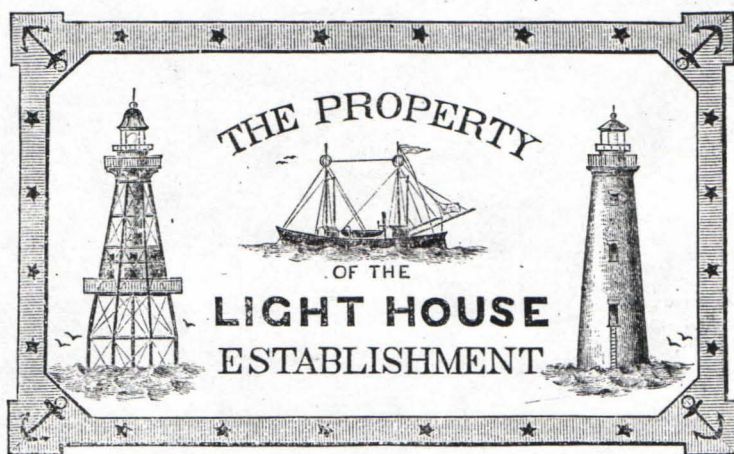


INSTRUCTIONS
TO
LIGHT-KEEPERS.

JULY, 1881.



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United States. Light-house
board. [from old catalog]
Instructions to
light-keepers. July,
1881.

UNITED STATES LIGHT-HOUSE ESTABLISHMENT.

INSTRUCTIONS

TO

LIGHT-KEEPERS.

JULY, 1881.

BY AUTHORITY OF THE LIGHT-HOUSE BOARD.

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GOVERNMENT PRINTING OFFICE.
1881.

NOTICE.

OFFICE OF THE LIGHT-HOUSE BOARD,
WASHINGTON, D. C., *July 1, 1881.*

The following Instructions are published for the guidance of light-keepers. They are required to read them carefully and attentively, and to refer to them whenever they have any doubts in regard to their duties or the manner of performing them.

Each keeper and assistant keeper will be furnished with a copy, *to be kept and used at the light-stations* where they are employed; to be handed over to their successors when they are relieved or discharged or left at the light-stations in case there should be no successors.

Each light-vessel keeper will be provided with two copies, for the use of himself and those of the crew who are charged with the management of, and attendance upon, the lights and fog-signals.

BY ORDER OF THE LIGHT-HOUSE BOARD:

JOHN RODGERS,
Rear-Admiral, U. S. N., Chairman.

(TO FACE PAGE 5, INSTRUCTIONS TO LIGHT KEEPERS.)

Table giving candle power of each of lamps used in the Light-House Service and approximately its intensity when used in its appropriate lens apparatus.

Illuminating Apparatus.	Name of Lamp.	Candle Power of Lamp.	Candle Power of Fixed Light.	Candle Power of Flashing Light.	No. of Wicks.	Size of Wicks in Inches.					Expenditure of Oil per Quarter.				Consumption of Oil	
						No. 1.	No. 2.	No. 3.	No. 4.	No. 5.	1st Qr.	2d Qr.	3d Qr.	4th Qr.	Per Hour.	Per Annum.
1st.....	Funck's Float Lamp.....	500	8780	63830	5	1"	1 1/4"	2 1/4"	3 1/4"	4 1/4"	596	443	475	642	16	2156
2d.....	do.....	163	4790	33350	3	1"	1 1/4"	2 1/4"			182	135	145	195	4.80	657
3d.....	do.....	163	2240	19040	3	1"	1 1/4"	2 1/4"			182	135	145	195	4.80	657
3d (old).....	do.....	78	1930	15380	2	1"	1 1/4"				75	54	60	81	2	270
3 1/2.....	do.....	78	1620	11720	2	1"	1 1/4"				75	54	60	81	2	270
4th.....	Funck-Heap Lamp.....	52	598	2842	1	1 1/4"					59	44	47	64	1.50	214
5th.....	Funck's Tubul'r Lamp.....	38	298	1200	1	1 1/4"					37	28	30	40	1	135
Lens Lantern.....	do.....	32	203		1	1 1/4"					26	20	21 1/2	27 1/2	0.70	95
No. 1 Range Lens.....	do.....	38	3915		1	1 1/4"					37	28	30	40	1	135
Locomotive Headlight Lantern.....	Funck-Heap Lamp.....	52	3092		1	1 1/4"					55 1/2	41 1/2	44 1/2	60 1/2	1.50	202
Tubular Lantern.....			12		1	1"					10 1/2	8 1/2	9 1/2	11 1/2	0.30	40
Light-Vessel Lantern.....	Funck's Tubul'r Lamp.....	38	1275		1	1 1/4"					37	28	30	40	1	135
Lamp with reflectors.....																
Old Light-Vessel Lamp with reflector.....		18	760		1	1 1/4"					19	13	16	20	0.50	68

NOTE.—Candle power of 1st, 2d, 3d, and 3 1/2 order fixed and flashing lights was obtained by calculation; the candle power of all others in above table was obtained by actual measurement.

GENERAL INSTRUCTIONS TO ALL LIGHT-KEEPERS.

1. The keeper is responsible for the care and management of the light, and for the station in general. He must enforce a careful attention to duty on the part of his assistants; and the assistants are strictly enjoined to render prompt obedience to his lawful orders. Keeper responsible for.

2. In the absence of the keeper his duties will devolve upon the assistant present who is next in rank. No keeper shall leave his station without informing the assistant present who is next in rank of his intention, and of the probable length of his absence; and no assistant shall leave without the previous knowledge and consent of the keeper; but this regulation will not justify the keeper in denying an assistant any proper leave of absence. Duties of keeper to devolve on assistant; when.

3. An accurate report of absences, with the reasons therefor, must be forwarded monthly to the Inspector by the keeper. Report of absences.

4. Watches must be kept at all stations where there is an assistant. The keeper on watch must remain in the watchroom and give continuous attention to the light while he is on duty. When there is no assistant, the keeper must visit the light at least twice during the night between 8 p. m. and sunrise; and on stormy nights the light must be constantly looked after. Watches to be kept when there is an assistant.
Duty of keeper when there is no assistant.

5. No keeper can excuse an assistant from his regular share of duty, except on account of disability. When such disability continues, immediate report thereof must be made to the Inspector. No keeper to excuse an assistant except for disability.

6. Light-keepers may leave their stations to attend divine worship on Sundays, to procure needful supplies, and on important public occasions. As no specific rules can be established limiting the times and durations of absences, keepers will be held to strict account for any abuse of privileges. Absence.

7. In case of sickness, keepers must provide efficient attendants for the lights; but when a keeper is, or is likely to become, incapable of duty, the Inspector must be informed at once of the need for assistance. Sickness.

8. All keepers must acquaint themselves with the workings of the apparatus in their charge. Upon any doubtful point questions must be asked. When the station is visited by an officer or employé of the Light-House Establishment, especially while the machinist or lampist is there, the keepers must take pains to acquire knowledge of every detail regarding the mechanism of the apparatus. Ignorance upon any point will not be considered as an excuse for neglect of duty. To be conversant with the apparatus.

9. The keeper is responsible for the careful management and expenditure of stores and supplies. He must practice the strictest economy compatible with maintaining at all times the best possible light; and he must be careful to prevent waste, theft, or misapplication of light-house property. Responsibility for stores.

10. Keepers having assistants will, in the presence of an assistant, attend personally to the daily issues. Keepers who have no assistants are required to take from the oil and store rooms, daily, the necessary articles and quantities of supplies for that day's use. At the time of doing so they must enter them correctly in the expenditure Issue of stores.

book. The exact quantity taken at the time must be entered, and not the average of each day's use.

No light-house
to be left with-
out some one in
charge.

11. A light-house must never be left wholly unattended. Where there is a keeper and one or more assistants, either the keeper or one of the assistants must be present. If there is only one keeper, some member of his family, or other responsible person, must be at the station in his absence.

Watches.

12. Where there are assistants, the watches must be divided so that an equal share of work shall fall to each keeper. A watch book must be kept and signed by each person when he comes off watch. He must record in the book the condition of the light and the hour when he left the watchroom. If there is a fog-signal at the station, and it is in operation, he should also so state, and specify its condition.

Keeper to
share duty.

13. The keeper shall take an equal share in all the work and duties of the station with the assistant keepers.

Neglect of
duty of keeper.
Assistants to re-
port.

14. When a keeper neglects his duties, it is the imperative duty of each assistant at the station to report the facts, without delay, to the Inspector. The reported keeper must be informed of the complaints made against him, so that he may, if he sees fit, transmit a statement to the Inspector with the report.

Traffic at light-
stations forbid-
den.

15. Light-keepers must not engage in any traffic on light-house premises, and they must not permit it by any one else. They must not carry on any business or trade elsewhere which will cause them to be often absent from the premises, or to neglect, in any way, their proper duties.

Visitors.

16. Keepers must be courteous and polite to all visitors who conform to the regulations, and show them everything of interest about the station at such times as it will not interfere with their light-house duties. Keepers must not allow visitors to handle the apparatus or deface light-house property. Special care must be taken to prevent the scratching of names or initials on the glass of the lanterns or on the windows of the towers. No visitor should be admitted to the tower unless attended by a keeper.

Intoxicated
persons.

17. Keepers must under no circumstances allow an intoxicated person to enter a light-tower, nor to remain on the premises longer than is necessary to get him away by the employment of all proper and reasonable means.

No fees al-
lowed.

18. Keepers must not make any charge, nor receive any fee, for admitting visitors to light-houses.

Assistance to
laborers.

19. Keepers must render every assistance in their power to laborers employed in making repairs or alterations at light-stations. In all cases where keepers are able to make repairs they are expected to do the work themselves. All the mechanical skill of a keeper should be exercised in keeping his station in good order.

Change in col-
or of buildings;
when made.

20. Keepers must make no change in the color of towers or buildings without written orders.

Neatness de-
manded.

21. The utmost neatness of buildings and premises is demanded. Bedrooms, as well as other parts of the dwelling, must be neatly kept. Untidiness will be strongly reprehended, and its continuance will subject a keeper to dismissal.

Keepers' fami-
lies only allowed
at light-stations.

22. Only members of keepers' families may reside at light-stations. The Light-House Board alone can grant any exception to this rule.

Wrecks.

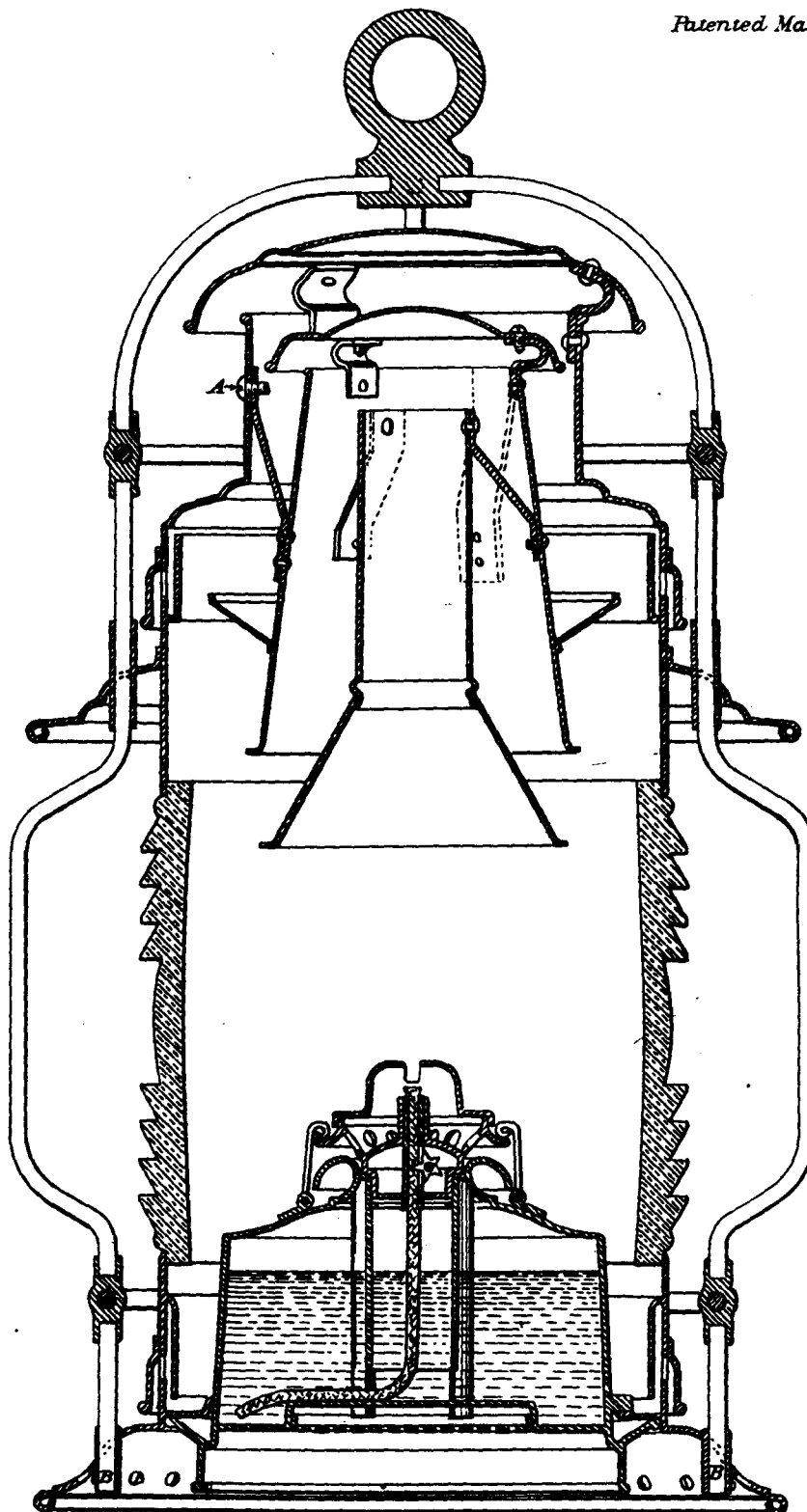
23. Keepers must report promptly to the Inspector, on the proper form, all wrecks which take place in the vicinity of their stations. All the facts relating to the wreck (whether or not the light was seen, &c.) must be ascertained and the account embodied in the report. It is the duty of light-keepers to aid wrecked persons as far as lies in their power.

Precautions
against fire.

24. Every precaution must be taken against fire. Fire-buckets, when provided, must be kept filled with water and ready for use in a fixed place. In case of the ignition of mineral oil, it can be better extinguished with sand or ashes than with water.

Funk Lantern.

Patented March 14, 1893.



[TO FACE PAGE 7, INSTRUCTIONS TO LIGHT-KEEPERS.]

A copy also to be sent with each lantern issued for service.

Instructions for use of Funck lanterns.

To fill the lamp, take out the lamp and fill it full of oil through the filling hole. Screw in the cover of the filling hole, and wipe the lamp clean. Trim the wick slightly concave rather than straight or rounded. Light and replace the lamp in the lantern. After it has burned for a few minutes, observe through the flattened surface of the lens that the flame is to the full height it can be carried without smoke. Once a week empty all the oil out of the lamp, and rinse with a little fresh oil. Put in a new wick once a week. Take the lantern apart once a month, and thoroughly clean it inside. To take the lantern apart, take out the three large screws near the top of the lantern, marked "A" on plate, which will release the inside dome, which can then be taken out and cleaned. To take out the lens, unscrew the five thumbscrews at the bottom of the lantern (marked "B" on plate), and lift the top part clear of the lens. The lens, lantern, and lamp must be kept clean and bright.

The light must be lighted and the lantern in position at sunset. The light must be extinguished at sunrise, and the lantern cleaned and gotten ready for use early in the day. The lantern must be kept under cover during the day. The spare lanterns must be used alternately with the others, so that all lanterns will be known to be in good order and ready for use.

Where a box or room is provided, the oil and other supplies must be kept in it, and the lanterns must be kept in it during the day. This house must be kept locked, except when the keeper is present.

Where no box or house is provided, the lantern, oil, and supplies must be kept in a safe, dry place, and so that they may be readily inspected by the Inspector. Empty oil cans must be kept under cover, in a dry place.

25. Fires and lights in keepers' dwellings must never be left unattended.

Fires and
lights not to be
left unattended.
Boats.

26. Boats are furnished to light-stations where they are necessary for communication with the mainland, to obtain household supplies, &c., or they are supplied that keepers may perform their public duties properly. They are not provided for personal benefit and convenience. Keepers are forbidden to use boats thus placed in their charge for any other than light-house purposes. The boats must not be used for freighting, wrecking, fishing with seines, ferrying, or for carrying goods or passengers for hire. Keepers must make good all damages to boats or their equipments caused by their carelessness or neglect.

place
area.

27. When a keeper resigns or is removed, a correct inventory of all public property under his charge must be made in the presence of his successor. Three copies of this inventory must be made and signed by his successor; one is to be retained by him, one is to be kept by the retiring keeper, and the third is to be transmitted by him to the Inspector. On the death of a keeper, his widow, or whoever has been left in charge of the light, must turn over the public property to the new keeper as above required.

Change of
keeper.

28. No keeper who resigns or is removed, and no representative of such keeper, shall receive any balance on account of salary until he shall have accounted satisfactorily for all public property in his charge.

29. No keeper should sign receipts upon entering on his duties, or at any other time, for any supplies until he is satisfied that the articles and quantities are correctly stated. Keepers will be held pecuniarily responsible for all for which they receipt.

Receipts.

30. Condemned articles, and articles no longer of use at light-stations, must be delivered to the master of the supply vessel. Keepers must obtain duplicate receipts for these articles, retain one, and forward the other to the Inspector.

Condemned ar-
ticles.

31. Monthly or special reports of the condition of a light-station must state explicitly what is wanted, in case any repairs or changes are needed. All measurements, estimates, &c., must be given so fully that the Inspector or Engineer will not have to write for further information. Failure to do this has caused much inconvenience and delay.

Monthly re-
ports.

32. Keepers of stations situated where navigation is closed by ice in winter, will exhibit their lights so long as any vessel is running in that vicinity. Lights may be extinguished when navigation is entirely suspended, but must always be shown if it is at all possible for vessels to benefit by them. Report must be made to the Inspector of the time of discontinuance and also of the time of relighting.

Lights to be
put out when
ice suspends
navigation.

33. Keepers at island stations on the northern lakes must be governed in exhibiting their lights by the action of those on the mainland. Those who cannot reside at their stations during the winter, or who are permitted to be absent by special authority, must continue their lights as long as possible in the fall without endangering their lives by being caught in the ice; and must return to their stations as early in the spring as the ice will permit.

CARE OF LIGHTS AND THEIR APPURTENANCES.

34. Lights must be lighted punctually at sunset, and must be kept burning at full intensity until sunrise.

35. All preparations must be made early, that there may be no delay in lighting.

36. When the light is extinguished in the morning the keeper must hang the lantern curtains and immediately begin to put the apparatus in order for relighting. While doing this the linen aprons provided for the keeper's use must be worn, that the lens may not suffer from contact with the wearing apparel. The illuminating apparatus must be carefully covered before the cleaning is begun.

Punctuality
demanded.
Morning du-
ties.

37. The lens and the glass of the lantern must be cleaned daily and always kept in the best possible condition. Before beginning to clean the lens it must be brushed

Cleaning lens.

[TO FACE PAGE 8, INSTRUCTIONS TO LIGHT-KEEPERS.]

To prevent the frosting of the plate-glass of lanterns, put a small quantity of glycerine on a linen cloth and rub it over the inner surface of the glass. One application when the lamp is lighted and another at midnight will generally be found sufficient to keep the glass clear during the night.

with the feather brush to remove all dust. It must then be wiped with a soft linen cloth, and finally polished with buff-skin. If there is oil or grease on any part it must be taken off with a linen cloth, moistened with spirits of wine, and then polished with a buff-skin. *Under no circumstances must a skin which has been wet or damp be used, as this will scratch the lens.*

How to pre-
pare and use
rouge.

38. Rouge must be used for polishing the lens whenever necessary. When it is used it should be broken up, put in water, and reduced to a smooth mixture. To do this the rouge should be put into about a pint of water and stirred with a *perfectly clean* stick. Let it rest for a few moments to allow any gritty particles it may contain to settle; then pour it off into another vessel, allowing the grit to remain in the first; then leave it to settle for about half an hour, and then pour off the water. The rouge so prepared must be spread with a camel's-hair brush, or a piece of soft linen, over the entire surface of the glass to be cleaned. When this coating of rouge has become dry, rub it off with a piece of buff-skin until it is all removed. Rouge must be freshly prepared each time it is used.

Whiting.

39. Whiting is prepared and used in the same manner as rouge.

Rotten-stone.

40. To use rotten-stone for polishing brass work, pulverize it carefully in a tin pan and mix it with water or oil until it becomes a thin paste. Use it with a woollen cloth, free from dust or grit. After rubbing with the rotten-stone finish with whiting, using a soft, clean rag.

Care of reflect-
or.

41. To clean reflectors, first dust them and then rub with a buff-skin, lightly dusted with rouge powder, kept in a small double bag of muslin; then rub lightly with another skin, and finally with a third, which should be passed over the reflector in a light, quick manner with a circular motion. Leakage of gas from the pipe of the stove used in the watchroom should be carefully guarded against, as this gas will badly tarnish a reflector. Silver-plated reflectors are much more easily injured than glass, and require great care.

Care of chim-
neys.

42. To clean the chimneys they must, if soiled by smoke or oil, be rubbed with a rag or a small piece of soft wood dipped in oil, then wiped off and cleaned with whiting. If this does not remove discolorations they should be rubbed with a wet cloth and a little soda or common salt; but they must be washed in warm water afterwards, as any adhering salt will cause breakage.

Material for
cleaning and pol-
ishing.

43. Keepers are forbidden to use any other materials for cleaning or polishing purposes than those supplied by the Light-House Establishment.

Dust to be
avoided.

44. Keepers are forbidden to clean the floors of the lanterns or the stairs and floors of towers with any material by which dust may be produced. All materials used must be damp, and be carefully removed before they are dry. All sweeping must be done with care, and chiefly with hand brushes.

Place for uten-
sils.

45. Utensils of all kinds must be kept in their proper places. While the light is burning, everything which does not belong in the lantern must be removed from it.

Clock-work.

46. The revolving clock-work must be kept carefully from dust; it must be oiled with clock oil whenever necessary, care being taken to remove any old and gummy oil before new oil is applied. All parts made of iron or steel must be rubbed with a cloth greased with tallow. *The use of salted grease is forbidden.* The foot of the fly-shaft must be examined occasionally to see that it is not cutting or wearing.

Chariot.

47. The chariot or carriage upon which the lens revolves must be carefully wiped and the rollers kept properly oiled. If it is necessary to take off the rollers and clean them, this must be done with great care. The rollers must be removed one by one, and put back without changing the number of washers previously in use, as the carriage will turn irregularly if all the rollers are not exactly the same distance from the center. When there is any serious trouble with any part of the revolving clock-work or machinery the Inspector and Engineer must be at once informed, and a machinist will be sent to remedy the difficulty.

[TO FACE PAGE 9, INSTRUCTIONS TO LIGHT-KEEPERS.]

At its meeting on October 17, 1888, the Light-House Board ordered that the Journal kept at Light Stations, in accordance with the requirements of paragraph No. 51 of its Instructions to Light Keepers, shall be considered as the official record of the Light Station where it belongs, and that no entries or signatures shall be made in it by any person or persons except the Keepers of the Station, the Officers of the Light-House District, and Officers of the Light-House Board.

48. When not in use, the weight must always be kept upon its rest, that the strain on the cord may be relieved. Weight.

49. Keepers must replace the broken glass of the lantern as quickly as possible. To replace broken panes.
They must learn how to use the cutting-diamond, so as to be able to cut the glass when necessary. When glass is cut, its edges should be ground level and smooth by rubbing it upon a cast-iron plate covered with sharp wet sand. In placing the glass, about one-twelfth of an inch play should be left all around between it and the iron frame. If it touches the iron, great risk of its being broken by the oscillation of the lantern in high winds will be incurred. Thin cleats of lead or soft wood must be used to rest the glass upon when in place. In joining two pieces of glass which rest one upon the other, the upper edge of the lower piece should be covered with putty about two-tenths of an inch in thickness; on this two small strips of lead should be placed, upon which the upper plate should rest; the weight will press out any excess of putty, which excess should immediately be taken off with the glazing-knife. The putty on the outside of the frame should be laid evenly and flush with the face of the sash. In replacing the outside slats of the sash, a small quantity of putty should be put over the head of each screw after it has been screwed home, as this will serve to keep the screw in place.

50. The following-named returns must be made by keepers of light-houses: * Returns.

Monthly: Report of condition of station, both to Inspector and Engineer.

Fog-signal report.

Absence report.

Quarterly: Expenditures of oil, &c.

Vouchers for salary.

~~Abstract of passing vessels.~~

Annually: Property returns.

When necessary: Receipt for extra supplies.

Keeper's receipt for property on taking charge.

Receipt for delivery of supplies.

Shipwreck report.

Report of any damage to station or apparatus (this to be made both to the Inspector and Engineer).

Any unusual occurrence.

The vouchers for salary must be so sent that they will arrive at the Inspector's Office at least a week before the end of the quarter.

51. The following books must be kept at all stations: Books.

Daily-expenditure book.

General-account book.

Journal.

A watch book must be kept also at all stations where there is more than one keeper, and a fog-signal record where there is a fog-signal. In keeping the journal, two pages (the right and the left), are to be used for one month. The events of the day must be written on one line across both pages. As a general rule, if carefully written, one line will be found sufficient. The visits of the Inspector or Engineer, or of the lampist or machinist, and an account of any work going on or delivery of stores, must be noted; as also any item of interest occurring in the vicinity, such as the state of the weather, or other similar matter. The books must be kept in ink, with neatness, and must always be kept up to date.

INSTRUCTIONS TO KEEPERS USING THE FUNCK LARD-OIL FLOAT-LAMP.

52. Fill the upper reservoir, first closing the stop-cock in the supply-tube; then open the stop-cock and allow the oil to completely saturate and overflow the wicks, after which close the stop-cock until ready to light. Filling the reservoir.

* The returns required from keepers of light-vessels are given on page 16.

Burner to be
carefully leveled
and focused.

53. Before lighting, and after all connections are made, see that the burner is perfectly level and in the focus. This must be done carefully, as the screwing on of the supply-tube is apt to throw the burner out of adjustment. Failure to level the burner is apt to cause breakage of chimneys; and the light will not burn so well when the oil is higher on one side of the burner than on the other. It is also absolutely necessary that the light should be in the focus, as if it is not so it cannot show well outside. Great care and attention must be given by keepers to these two essentials of a good light.

Lucernes

54. Keepers are forbidden to use anything but the lucernes, or the small hand lamps, in lighting the lamps, as if paper or matches are used, parts are liable to fall into the burner and retard the flow of oil.

Lighting.

55. When lighting up, light the inner wick of the burner first. Having the wick turned up about one-third of an inch, hold the lucernes at two opposite points, lighting the wick in two places at once. When the wick is burning all around, turn it down low and proceed to light the second wick, and so on until all the wicks are lighted.

How to man-
age the flame.

56. After first lighting, the flame must be kept low, and the chimney above its proper position, so that it will be slowly heated; turn the wicks up slowly, and gradually lower the chimney until the full height of the flame is reached. This ought to be at the end of half an hour, at which time the flame should show a height for a first-order lamp of from $3\frac{1}{2}$ to $3\frac{3}{4}$ inches; for a second order of from 3 to $3\frac{1}{4}$; for a third order of from $2\frac{1}{2}$ to $2\frac{3}{4}$. [See Plate 6.] A gauge is furnished, showing about what this height should be. The wicks, when the light is at its full intensity, should be turned up until the flame can be raised no higher without smoking.

Color of flame;
chimney.

57. The flame must be throughout as *white* as possible. If it is of a reddish tint it shows that the chimney is too high, or that the damper does not allow sufficient draught, or that the ventilation is not sufficient. If the chimney is too low a white flame will be obtained, but the flame will not be high enough. When the wind is light, a portion of all the ventilators may be opened; if strong, only those to the leeward. They must be managed so that the light will burn clearly and steadily.

Ventilation.

Broken chim-
ney.

58. If a chimney breaks, turn down the light immediately and put on a spare one, four of which must always be on hand.

Trimming
wicks.

59. If the wicks need trimming, turn the light as low as possible, and trim them without removing the burner. In removing the chimney to do this, wrap it in the flannel cloth provided for the purpose, so that it will not cool too suddenly.

Spare burner.

60. A spare burner must always be at hand, ready for use, in case one of the wicks gives out, or in case the service burner is in any way out of order. When it becomes necessary to replace the service burner, dip the spare burner in oil before putting it in place, so as to saturate the wicks, after which it may be adjusted.

Stoppage of oil.

61. If the oil does not flow freely, or if the supply is entirely cut off, it must, in nearly all cases, be from a stoppage in the float-chamber. When this occurs, remove and clear the float chamber. An accident such as this, however, can scarcely happen with a careful keeper, as it can only occur when the apparatus is clogged with dirt.

Putting out
lights.

62. In putting out the light at sunrise, care must be taken to prevent a sudden cooling of the lamp. Care must also be taken not to heat it too quickly on lighting. To put out the light, the wicks must be slowly turned down, beginning with the outer one. When the light is finally extinguished and the chimney after a time taken off, the chimney must be wrapped in the flannel cloth, that it may cool slowly.

Dismounting
and cleaning
lamp.

63. Once in six months dismount the lamp and thoroughly overhaul it, putting the spare one in its place. Boil the burner and strainer in strong soap-suds, then thoroughly wash all parts of the lamp, rinse them in clean hot water to remove the soap, putting the tubes and burner near a hot stove to dry out the moisture; wipe out the reservoir with a clean towel. Examine the washers of the pump carefully.

Examine float-
chamber.

64. Examine the float and float-chamber once a week at least. Lint or woolen fiber is frequently found in the oil, which collects around the pin and clogs the passage of

(To face page 11—Instructions to Keepers.)

INSTRUCTIONS TO KEEPERS USING THE FUNCK-HEAP LAMP.

- To prepare for lighting.** Lamps are always sent out with new wicks in place. Remove chimney-holder, wet the wick with a little oil, replace chimney-holder, light the lamp, put on the chimney and allow the flame to burn itself out, then blow off the ashes from the wick, or rub it smooth. Wicks should never be trimmed with scissors, but should be rubbed off smooth with finger, and care be taken to remove any charred pieces of the wick which may fall off.
- To fill lamp.** Remove chimney-holder, pull back pinion, raise outer tube with gear-wheel, pour in oil until lamp is full, push down outer tube with gear-wheel, push pinion back carefully, seeing that it engages properly with gear-wheel, replace chimney-holder.
- To light lamp.** When wick is carefully and smoothly trimmed and lamp filled, it may be lighted and the chimney put on; the wick should then be turned up until the flame is even with the button.
- This should be done at sunset; about 15 minutes later the wick should be turned up gradually as high as possible, without making the flame smoke.
- To replace wick.** Remove chimney-holder, pull pinion back, raise wick by turning outside tube by hand until the wick is free of spiral tube, take out outside tube, take off old and put on new wick; replace parts in original position.

the oil; nothing sharp or hard must be used to clean the valve-seat; a piece of soft wood should be used for this purpose.

65. In placing the lamp, the cross threads provided for the purpose must be used to center the burner and to get it into focus. There is a small wooden gauge furnished which fits in the center of the burner; the lower reservoir (the burner being in place) must be moved until the center of the gauge is just under the intersection of the cross-threads and touching them. The spirit-level must then be used to show that the burner is level, and the burner or reservoir must be moved or changed until the burner is exactly level and the center of the wooden plug or gauge is at the proper point. The light will never show well unless it is properly leveled and focused.

Placing lamp.

66. Lard-oil butts must be kept tightly covered, their gutters filled with oil, and their air-cocks closed, or the oil will become rancid. A drip-can must always be hung on the draw-off cock to catch all drippings. In drawing off the oil, first turn the air-cock to admit air, otherwise the oil will not flow, but the air-cock must be closed again as soon as the drawing of the oil is finished. When a butt has been emptied, it must be thoroughly cleaned and washed out and wiped quite dry; the gutters must then be filled with oil and the cocks all closed.

Lard-oil butts.

67. The oil found in the lower reservoir after the light has been put out in the morning is to be drawn off as low as it will run through the cock, and any remaining oil must be taken up with a clean sponge or towel and squeezed into the oil-carrier. To this oil add a sufficient quantity from the butt to refill the lamp. When ready to refill, the oil must be drawn into a clean carrier and from thence poured into the reservoir. The actual quantities consumed must constitute the daily expenditures; no guessing or averaging will be permitted.

68. In cold weather, heat the oil before putting it in the reservoir. Its temperature should be raised to about 90° or 100° (Fahrenheit), or until it is a shade too hot to bear to hold the hand in it. If too hot it will injure the pump-leathers. If it is unusually cold the precaution may be taken of wrapping flannel about the float-chamber, as it is there the oil is most likely to chill.

Oil in cold weather.

69. Oil which has any sediment in it must be put in a separate butt used to hold impure oil. From this butt must be taken all the oil used for house lamps. After the oil in this butt has well settled, the clear oil may be drawn off again and used in the light-house lamp.

Impure oil.

INSTRUCTIONS TO KEEPERS USING THE FUNCK MINERAL-OIL FLOAT-LAMP.

70. Fill the reservoir until the oil is visible in the strainer through which it must be poured. When it is full, close the faucet and wind the plunger up to its full height.

Filling reservoir.

71. Open the faucet about ten minutes before it is time to light the lamp.

72. To light the lamp, raise the damper-tube D (see Plate 2) into the connecting-tube K, and let it rest on the locks 19; then raise the chimney-holder close up to the surface of the burner. Immediately after lighting, adjust the chimney and the damper-tube so as to prevent any smoke. The flame should be kept low at first and the chimney high, so that the chimney may be slowly heated. Raise the wicks gradually and lower the chimney until the flame is at its best, which should be at the end of about half an hour.

Lighting.

73. The damper must be so managed that the flame will burn clear and at its full height and with no smoky points. This must have much and careful attention.

Use of damper.

74. About ten minutes before sunrise, close the faucet, open the damper, and let the flame burn itself out. Then remove and wrap the chimney in flannel until it is entirely cooled. Then simply wipe the ash from the wick; no other trimming is required. With a goose feather or any feather sufficiently long, clean the whole length of the air-spaces in the burner.

Extinguishing and trimming lamp.

C I R C U L A R.

USE OF OIL AND MATCHES AT LIGHT-STATIONS.

1882.
Department No. 120.
L.-H. Board No. 6, of 1882.

Treasury Department,

OFFICE OF THE LIGHT-HOUSE BOARD,

Washington, D. C., October 28, 1882.

The following paragraph will be inserted opposite page 13 of the book of Instructions to Light-Keepers, it having all the force and authority of the other paragraphs of the book:

94a. No other oil and no other matches than what are supplied by the Light-House Establishment will be permitted under any circumstances to be used at light-stations.

BY ORDER OF THE LIGHT-HOUSE BOARD:

R. H. WYMAN,

Rear Admiral U. S. Navy,

Chairman.

nearly all above the button; the position of the button must not be changed. When points or irregularities in the flame appear, they can sometimes be made to disappear by simply turning the chimney around its axis to a new position.

88. The Hains and flat-wick lamps must be changed at midnight, as when the oil burns low it does not give so good a light. The new lamp should be lighted before the other is removed. Constant-level lamps do not need to be changed as a rule, as they will burn with undiminished brilliancy so long as there is any oil in them.

Changing lamps.

89. In extinguishing lights at sunrise, turn the wick down slowly, so as not to cool the chimney too suddenly; when very low put it out by blowing across the top of the chimney; it is dangerous to blow down the chimney of a mineral-oil lamp. When the chimney is taken off, keep it wrapped in flannel until cooled.

Extinguishing the light.

90. To trim the lamp, after blowing out the light pour out any oil that may remain in the reservoir, then relight and let it burn out of itself, which it will do in about half an hour; then simply rub off the light ash remaining on the wick. No other trimming is required. This is the only way to get a perfectly level wick.

Trimming.

91. *Under no circumstances shall oil be poured into the lamp while it is lighted, nor shall it be filled in the vicinity of any light or fire.*

Care of oil.

92. No smoking shall be allowed in the oil room, nor shall any uncovered light be taken there. In case the oil catches fire, it can be extinguished more easily with sand or ashes than with water.

Precautions against fire.

93. The oil must be drawn only by daylight. Under no circumstances should it be drawn at night. The cans should be kept tightly closed and the oil room cool and well ventilated. The pargetized can is furnished to stations as a vessel of supply. The oil for filling the lamps and other daily service must be drawn from it. It must be filled from the transporting or store cans whenever necessary.

Drawing oil.

94. The boxes containing the transporting cans must always be kept right side up. Keepers must not put anything into empty cans. All empty cans must be turned in to the master of the supply vessel when she arrives, and a receipt taken, as prescribed by paragraph 108 of the Regulations of the Light-house Board.

Care of transporting cans.

INSTRUCTIONS TO KEEPERS OF LIGHT-SHIPS.

95. The keeper of a light-ship is responsible for her efficiency in every regard. He must exact from every person on board, under his command, a strict and careful attention to duty; and must promptly report to the Inspector any derelictions on the part of any of the crew.

Responsibility of keepers.

96. A log-book must be kept in which all the duties of the vessel and occurrences of importance must be noted, stating the condition of the lights, the times at which it was necessary to trim them, &c.; the length of time which intervened between the lowering and hoisting of the lantern, &c., the number of men on duty in each watch, the direction and strength of the wind, the state of the weather at 8 p. m., midnight, and 8 a. m., and, during gales, as much oftener as may be required to make a useful record; the times at which moorings were examined, and their condition; the overhauling of the hold, and in fact every item of importance with relation to the ship's duties. This log must be copied from the slate into the book by the keeper or mate, and signed by the person in charge of the watch for the time being.

Log to be kept.

97. The keeper is responsible for the safety and good order of all stores, utensils and apparatus of every description. He must observe the strictest economy compatible with showing the best light possible.

Care of stores.

98. A keeper must, immediately after taking charge of a new light-vessel or succeeding a former keeper, take an inventory of all anchors, cables, boats, stores, materials and supplies of all kinds; a copy of which inventory, duly signed by him, he must transmit to the Inspector.

Inventory.

- Account of stores.** 99. The keeper must keep a daily account of all stores expended. At the end of each quarter he must send a copy of this account to the Inspector, on the blanks furnished for the purpose, with such remarks from the log as are necessary to make a complete abstract of the weather, and special occurrences during that time.
- Keeper to attend to receipt of stores.** 100. The keeper must attend at the receipt of all stores, and give his assistance; he must satisfy himself as to the quantity and condition of the stores received. He must make a report of the quality of the stores in the quarterly report succeeding their receipt, or must make a special report earlier if circumstances render it necessary.
- Signals.** 101. Keepers must frequently exercise the crews in the signals, when any are placed on board.
- Keepers and mates must be able to find latitude by observation.** 102. Keepers and mates must make themselves thoroughly conversant with all nautical instruments and charts on board their vessels, and must be able, at least, to find the latitude by meridian observation of the sun.
- Wrecks.** 103. In case of any wrecks taking place in the vicinity of a light-ship, its keeper must, if possible, learn whether the light was seen by any one on board the wrecked vessel, and whether it was recognized, and how long it was seen before the vessel struck. All other circumstances of interest must be embodied in the wreck report the keeper sends to the Inspector.
- Account of passing vessels.** 104. A book containing an account of the vessels passing the light-vessel must be kept, and an abstract showing the number of passing vessels in each quarter must be sent to the Inspector.
- Watches.** 105. The keeper must see that the watch is set and everything in order before leaving the deck at night.
106. A regular watch must be kept at all times. The pump-well must be sounded at least once during any watch at night, and in bad weather, every hour. In case the light-ship makes more water than usual, the fact must be reported at once to the keeper.
- Fire-buckets and precautions against fire.** 107. Fire-buckets must be kept on deck in the most convenient place for use, and when the temperature will permit, filled with water at sunset every day. They are on no account to be kept between decks at night.
108. Every precaution must be taken against fire; no matches, lighted lamps, candles or fires must be left unattended or in exposed places.
109. Two draw-buckets must be kept properly strapped and fitted (one on each side), and the end of the bucket rope made fast to the vessel when there is no wash-deck pump.
- Pumps.** 110. The wash-deck pump must be examined frequently, and kept in good order.
- Lightning conductors.** 111. The lightning conductors (if fitted with outriggers and not let down to the copper) must be rigged out and led clear of everything, every day at sunset, and rigged in at daylight, excepting in bad weather, during the continuance of which they must be kept rigged out.
- Special care in bad weather.** 112. In bad weather the keeper must give constant personal attendance to the affairs of the ship; he must see the spare anchor kept ready for letting go, and a proper range of cable on deck, bitted and stoppered to bring the vessel up in case she drags; and a sufficient watch must be kept to meet any emergency.
- In case of dragging.** 113. The deep-sea lead must be kept overboard in heavy weather, and a hand stationed by it whenever there is danger of the vessel dragging; should she drag such a distance as to deceive passing vessels in regard to their position, the lights must be extinguished and day marks carefully concealed.
- Never to leave station.** 114. Under no circumstances, except those of extreme and imminent danger, shall the light keeper permit the vessel to be moved from her proper station.
- Examination of chains.** 115. Every month the riding-chain must be hove in, until the point where it is shackled to the bridle is above water; the chain must then be carefully examined and

its condition noted in the log. A report of any injury or bad condition must be made at once to the Inspector.

116. Keepers must be careful to vary the scope of chain according to the weather; in mild smooth weather the chain must be hove in to a moderate scope; in heavy and tempestuous weather, and in gales, it must be veered to its full scope. Varying the scope of riding-chain.

117. In case of heavy drift-ice, keepers are recommended to shackle a shot of chain from the upper hawse pipe to the riding-chain, and then veer until part of the strain comes on this chain. The chain from the upper pipe serves to cut the ice before it masses against the ship's bows. Precautions in time of ice.

118. A report of the examination of moorings, and also a report of absences, must be transmitted at the end of each month to the Inspector. Report of moorings.

119. The ballast must be moved, and the hold thoroughly cleaned out at least once in six months. Cleaning hold.

120. The ship must be pumped out daily; any water which cannot be removed by the pumps must be bailed out with buckets and swabs. Every precaution must be taken to keep the vessel well ventilated; windsails must be kept up in summer. In hot weather, awnings must be spread to keep the vessel cool between decks. Ventilation, &c.

121. Wet clothing or wet bedding must not be kept below; once a week all bedding must be carefully aired in summer, and at least once a month in winter. Care of bedding and clothing.

122. During the stormy season sails must be kept bent; they must be frequently loosed to dry when the weather will permit. When sails must be bent

123. Great care must be taken of the boats and their equipments. Boats.

124. Prompt information must be sent to the Inspector when there is danger that supplies or stores will run short. Information to be sent regarding stores.

125. The keeper is prohibited from carrying on any trade or business whatever which will take him from the light-ship, or in any way cause him to neglect his public duties. Nothing whatever shall be kept for sale on board the light-ship. Prohibition of traffic.

126. No malt, vinous, or spirituous liquors must be kept or used on board of any light-ship, except those belonging to the medicine chest, which must be reserved for cases of actual illness. No liquor to be kept or used on board.

127. The keeper must hail all vessels, which by hovering too near the light-ship may prevent the lights from being seen, and request them to keep off. Under no circumstances shall he permit any vessel to make fast to the light-ship. Vessels to be warned off.

128. Keepers shall not permit the vessels under their charge to be made a rendezvous for pilots; every proper courtesy must be shown pilots, as well as all other persons, but no undue use of the light-vessels or their boats shall be permitted to any one. Light-vessels not to be made a rendezvous for pilots.

129. The keeper and mate are prohibited from being absent from the ship at the same time; one of the two must always be on board. Either keeper or mate to be always on board.

130. Crews of light-ships will be allowed all reasonable and proper indulgences in visiting their friends and families ashore. During the milder seasons of the year, two of the crew, besides the keeper or mate, may be ashore at a time, if the ship carries a complement of eight persons all told. If but six persons or less are attached to the ship, one only, beside the keeper or mate, may be allowed to be absent. During the stormy seasons of the year, one only of the crew, in either case, shall be absent, and if the season is especially tempestuous, all hands must remain aboard as a rule; short absences only being allowed under such circumstances. Any abuse of these privileges on the part of any one must be promptly reported to the Inspector by the keeper. Regulations governing leave.

131. Keepers, mates, and crews are all required to live and mess on board the light-ships to which they are attached. No rations or provisions purchased with commutation money for rations shall be taken out of the ship. Messing.

132. Commutation, not exceeding one-third of the whole number of rations allowed on board any light-ship, may be permitted at the current contract price of the rations, Commutation of rations.

upon satisfactory assurances being given to the Inspector that this commutation money will be used in purchasing fresh provisions or fruit for the use of the messes on board, and that the money shall not be applied to any other purpose. No division of this money will be allowed amongst the individuals of the crew to make separate purchases. This commutation is only permissive, and any failure to comply with these requirements will insure the withdrawal of the permission, and subject the keeper to dismissal.

133. For care of mineral oil, see pages 12 and 13, "Instructions to Keepers of fourth, fifth, and sixth order lights."

Returns, &c

134. The following returns shall be made by keepers of light-vessels to the Inspector:

Monthly: Mooring reports.

Fog-signal reports.

Quarterly: Expenditures of oil, &c.

Muster-roll.

Report of absences.

Pay-roll (to be sent in fifteen days before end of quarter).

Abstract of passing vessels.

Annually: Description and inventory of vessels.

Whenever necessary: Shipping articles.

Shipwreck reports.

DIRECTIONS AND INSTRUCTIONS FOR THE USE AND MANAGEMENT OF FOG-SIGNALS.

Keepers strictly accountable.

135. The keepers of stations provided with fog-signals will be held to a strict accountability for the proper care, attention to, and management of fog-signals.

Inspection of signal.

136. The principal keeper of the light station must satisfy himself, by a thorough, careful, personal examination and inspection of the engine, boiler, and the entire machinery of the fog-signal, before attempting to put it in operation, that it is in complete and satisfactory working order, and when it is not in operation all its parts must be dusted daily, and, if necessary, cleaned and wiped off. When the engine is not in operation it must be covered with a tarpaulin or canvas cover, to keep dust out of the journals and off of the friction surfaces.

Accidents to be reported.

137. In the event of accident to or derangement of any part of the machinery, unless the injury be of such a kind that the keeper is able to make the necessary repairs himself, it must be reported immediately to the Light-House Engineer or Inspector of the district, accompanied by such detailed report as will enable the officer to whom the report is made to provide the necessary assistance and materials for putting the fog-signal in efficient working order in the shortest time. Hand force-pumps with pipe connection cocks, &c., should be provided for every steam fog-signal boiler.

Cleanliness and care.

The engine-room must be kept clean, the unpainted parts of the machinery kept free from dust, dirt, and rust, and the painted parts wiped dry at all times and well oiled. No dirty waste, cotton, or woolen rags, or cloths saturated with oil, are to be left in boxes, corners of the room, or elsewhere, where they might become ignited from spontaneous combustion, but when the wiping off of the engine and machinery has been finished, these articles are to be thrown into water in buckets for washing, or, if unfit for further use, to be thrown into the furnace of the boiler to be burned.

Machinery in operation never to be left.

138. Whenever the apparatus is in operation, a keeper must be in the engine-house, in charge, and awake. It will not answer to leave the machinery alone for a single moment. If it should be necessary for the keeper immediately in charge to quit the engine-house, some competent person must temporarily relieve him.

Firing up.

139. Should the steam-boiler have a heater attached to it for keeping the water in it warm preparatory to raising steam, fire should be made under it as soon as there is

any indication of a necessity for using the fog-signal, which fire must be continued, with the draught so regulated as to raise the temperature of the water in the boiler from 190° to 210° Fahrenheit as speedily as possible. The water being at this temperature fire should be cautiously made in the furnace as soon as it is seen that the fog-signal will be required, and when there is sufficient steam for operating the fog-signal effectively and continuously, according to its distinguishing character, it should be put in motion. The time, state of the weather, &c., should be duly noted.

140. Whenever the fire is allowed to go out, or is drawn from the boiler, the furnace and ash-pit should be thoroughly cleaned, kindling wood placed in the furnace, and everything made ready for lighting when it shall be again needed. In starting the "getting up steam" in the boiler, the fire should be controlled to burn moderately, and the safety-valve kept open until the steam escapes freely, when the valve may be closed and the fire permitted to burn to full activity. Preparatory precautions.

141. In cold weather, with indications of fog or snow, the water in the boiler should be kept at 190° to 210° Fahrenheit by the heater; but great care must be taken in firing not to force the heater so much as to run the risk of so rapidly evaporating the water as to burn it. Precautions during cold weather.

142. After the heater is in full action, there will be nothing to fear in "forcing" the heater, if the connecting pipes are of proper size and clear. These pipes should be occasionally examined to see that they are unobstructed. Connecting pipes to be examined.

143. If in any case the attendant finds the temperature increasing in the heater, so that steam is making, and there is no increase of temperature of the water in the boiler, there will be reason to apprehend that there is some obstruction in the circulation between the heater and the boiler, and the fire should be hauled or allowed to die out in the heater, the fire having at the same time been started in the boiler. As soon as the use of the boiler ceases for the occasion, an examination should be made, to ascertain if any, and what, obstruction there was to the circulation. When heaters are not provided, the above results may be obtained by banking the fires in the fog-signal boiler. Obstructions.

144. While the keeper is getting up steam, he must be careful to oil all the working parts of the machinery, and by close inspection see that all the oil-holes are clear, and that they take oil freely. As often as once a month (as there may be opportunity) the several wearing parts must be taken apart and carefully cleaned and oiled. Oiling.

145. At all times, while the engine is in operation, see that there is, as near as may be, in boilers of the locomotive type, two cocks of water, and in upright boilers one and a half cocks. The aim should be never to have less than two cocks of water in the former or one in the latter. Quantity of water.

146. Should the water in the boiler foam, prime, and rise at any time while the signal is in operation or while raising steam, shut off for a few moments for the foaming to subside, then ascertain the quantity of water left in the boiler, when open again and increase the quantity of feed water to supply deficiency. If the boiler shows a disposition to foam or prime, the valves should not be opened suddenly but gradually, or if necessary to open suddenly for short blasts, it should be closed quickly before the foam can rise to obstruct the flow of steam. (In the whistle-machines the opening of the whistle-valve is always sudden, and cannot be closed except suddenly, and after the full duration of the blast, without changing the characteristics of the signal.) Foaming.

147. Boilers that foam must be pumped up or fed with great care, yet observing the safer course of pumping enough, and never allowing the water to get out of sight. If it should occur that, from any cause, the water should fall below the gauge-cocks and glass, do not haul fires, and do not put on the feed, or change any valve, nor open the safety-valve, but charge the furnace full of the finest coal at hand, so as to completely deaden the fire, leave the fire-door open and close the damper partially. Keep everything in this condition till the boiler cools off, occasionally sprinkling water on Feeding foaming boilers.

the fire, if necessary, to keep it deadened. After the boiler has cooled down, refill the water to the proper height, examine to ascertain if the pump is out of order, or from what cause the water has fallen too low in the boiler, clear out the furnace, recharge with kindling, and prepare everything for again lighting fires.

Gauge-cocks. 148. The gauge-cocks must be kept in good order at all times, and while the machine is in operation, or steam raising for work, they must be frequently tried. They must be kept open, and answer properly whenever tried. The glass gauge must not be wholly depended upon.

Glass gauge. 149. The glass gauge must be frequently "blown out," to see that all the passages and valves are clear.

Safety-valve. 150. The safety-valve must be kept in good working order at all times, and be frequently examined while the machine is in operation. The safety-valve must be taken apart once a month, to see that it is in good order and clean, and that it works freely.

Pumping. 151. Regular and continuous pumping is essential to the economical consumption of fuel, which can be easily done by giving a little attention, and by partially closing the cock in the pipe which supplies the pump, but no pipe between the pump and the boiler should be closed at all. A few trials will enable the keeper to determine the proper point at which the supply-cock should be closed, which point, when satisfactorily ascertained, must be marked, to serve as a guide afterwards. The keeper must not rely upon the fact that the valve is open which supplies the water to the pump, but must frequently examine the glass gauge and try the gauge-cocks, as, although the supply-valve to the pump is open, the pump may cease working, and the fact not be discovered till the water is too low in the boiler.

Regulation of draught. 152. The furnace-door should be kept closed as much as possible, governing the fire mainly by the damper in the chimney. While firing, and during work, keep the ash-pit door open, but close it when work ceases.

153. The furnace-doors of tubular boilers must not be opened wide for "cooling down." The sudden admission of cold air will contract the tubes too suddenly and fracture them, causing leaks; but they may be partially opened to aid in cooling down the boiler.

Daily attention to ash-pit, boiler, and flues. 154. The space below the grate-bars in the ash-pit must be kept free from ashes and cinders; should they be allowed to come in contact with the grate-bars they would soon melt. When the engine is at work, the ash-pit must be cleaned out at least as often as once a day. The boiler and flues should be brushed clean daily, if possible, and although no positive rule can be laid down for periodical cleaning, it must not be forgotten that they are never to be foul. After 30 or 36 hours' firing (and oftener if the draught is found to be sluggish), the necessity for brushing out the flues, to remove ashes and soot, will be apparent. When the engine is stopped, clean the boiler and flues and put everything in order at once for starting the signal again.

Difference between pressure-gauge and safety-valve. 155. In case there should be at any time a difference in the indications of the steam-pressure gauge and the safety-valve, lose no time in ascertaining the cause and apply the proper remedy to the defective instrument at once.

Quality of water. 156. As the water used in the boilers may be of a different quality at different stations, special attention should be given to it. When the water used holds salts in solution, or mud, or sediment in suspension, more frequent blowing off will be necessary than if the water is pure and entirely free from those impurities. Care and good judgment are required in the management of boilers under these circumstances; but, above all, it is necessary to be very careful to prevent the deposit of mud, lime, salt, or other solid matter in the bottom of the boiler, inasmuch as such deposits endanger both life and property. Deposits of mud will be readily seen by its accumulation about the gauge-cocks and by the "spatter" from the cocks being foul.

Water-blow. 157. The "water-blow" should be opened once in twelve hours, if but for a moment, simply to start the sediment, and longer if the water "blows foul," taking care, how-

ever, to shut the valve or cock before the water is too low in the boiler. Do not leave the blow-cock for an instant, while open, but be sure to shut before leaving it.

158. In case sea water is necessarily used continuously, frequent but light blowing off should be resorted to, in preference to occasional exhaustive blowing off, as the latter course necessarily prevents uniformity of work by the engine. Sea water.

If sea water is used, blow off, for a short time, every two hours, and as often as the boiler is cooled down and opportunity offers. Open the boiler and examine the tubes to see if there has been any scale or deposit made upon them; if so, the amount of water blown off has not been sufficient and must be increased.

159. When fresh-water tanks are furnished, from which the boiler can be refilled without the use of a pump, the boiler should be blown out at the end of any protracted fog, but care should be taken to fill the tank before the blowing out. Fresh water.

160. Instructions as to the pressure of steam to be used will be given by the district officers. Pressure of steam.

161. Great care must be exercised to avoid the effect of freezing weather. Fire must be constantly kept in the heater; all the pump "pet-cocks" must be kept open. If the weather is very severe it will be well to keep low steam (say five to ten pounds) on the main boiler, keeping the temperature in the engine-house, if possible, sufficiently high that a thermometer at the floor will not fall to the freezing point. Freezing.

162. When the apparatus is to be laid up for the winter, be sure that the water is all out of the pipes; leave all cocks open; take off the pump-doors and the check-valve cap; empty the tank. Winter precautions.

163. In firing with anthracite coal, the bed of fuel should be as thin as can be carried, so that there are no holes for cold air to pass through the fuel; as a rule, the smaller the coal, the thinner the fire. With bituminous coal, the fire must be thicker, to avoid air holes through it; also if the bituminous coal is "binding" coal, that is, runs or binds together, it must be occasionally broken or lightened up, with the "slice-bar," to keep the fire open. A well-constructed steam-boiler is fitted to do its work best when consuming a certain fixed quantity of fuel (coal or wood). Above or below this point there must be more or less waste, and there is as much above it as below it. Use of anthracite.

164. Haul all fire always before blowing down, and be careful to see that no fire is left under the boiler when blowing down is commenced. Keep the furnace and ash-pit doors closed to prevent too sudden cooling of the boiler and the consequent fracture by too sudden contraction of the tubes. Hauling fire.

165. See that the cylinder waste-cock is open, and all the water in the cylinder from condensed steam is removed before starting the engine. As soon as the engine becomes warm, attend to the pump and see that it works well, to prevent any detention on account of a want of a proper quantity of feed water. Starting engine.

166. When there is no longer necessity for working the engine, open the drip-cock of the steam-cylinder (and in cold weather open also the cocks in the pipes) to allow all the water to run out of them to prevent damage by freezing. Stopping engine.

THE SIREN.

167. The following-named parts of this fog-signal are shown in Plate 7.

Figure 1 is a top view.

Figure 2 is a front view.

1. Gauge-cocks.

2. Water-gauge.

3. Safety-valve.

4. Man-hole.

5. Heater.

6. Feed and circulation pipes between heater and boiler.

7. Cylindrical chamber, provided with steam-ports, passages, and sleeve 11.

Description of boiler.

10. Flange, provided with ball-shaped collar.
12. Brass nut.
13. Stuffing-box.
14. Siren-shaft.
15. Siren.
16. Pulley on siren-shaft.
17. } Collars on siren-shaft.
18. }
19. Bearings for siren-shaft.
20. Siren-valve.
21. Wheel in gear with 20.
22. Shaft for opening and closing 20.
23. Lever connected with pitman-rod.
24. Pitman-rod.
25. Lever for closing 20.
26. Steam-gauge.
27. Trumpet.
28. Pulley on fly-wheel shaft.
29. Pulley on worm-shaft.
30. Worm.
31. Worm-wheel.
32. Carrier on 31.
33. Roller on 24.
34. Steam-valve for engine.
35. Governor.
36. Pet-cock.
37. Feed-pump.
38. Air-cock.
40. Suction-valve.
41. Discharge-valve.
42. Air-vessel.
43. Safety-valve for feed-pipes.
44. Stop-cock.
45. Elbow on blow-off pipe.
46. Blow-off cock.
47. } Unions on 6.
48. }
49. Elbow on 6.
50. } Elbows on steam-pipes.
51. }
52. Elbow on 6.
53. Cross on 6.
54. Elbow on 6.
55. Elbow on 53.
56. Elbow on 40.
57. Elbow on exhaust-pipe.
58. }
59. } Elbows for water-gauge.
60. }
61. Tee between 71 and 67.
62. Union between 34 and 35.
63. Governor-pulley on fly-wheel shaft.
64. Governor-pulley on governor-shaft.

- 65. Fly-wheel.
- 66. Oil cup for siren.
- 67. Stop-cock for hand-pump.
- 68. Union between 67 and hand-pump.
- 69. Union on blow-off pipe.
- 70. Check-valve.
- 71. Union between 42 and 61.
- 72. Union for suction-pipe.

Through chamber 7 passes the shaft 14, upon one end of which the siren 15 is screwed and held in place by a lock nut.

On the other end of the shaft is placed a pulley (16), which is rigid, and motion is imparted to it by the fly-wheel of the engine. The collars 17, 18, keep the shaft in position. After loosening the collars the siren is regulated by bringing it as near as possible to the surface of the chamber, but not so near as to impede the movement by means of the set-screw of collar 18, which is rigidly secured to the shaft. The siren-shaft runs through both bearings 19, and through chamber 7, as above described.

The bearings are provided with lubricators filled partially with cotton, which, after being pressed tightly against the shaft, are saturated with oil. Two additional oil cups are provided for the shaft on the casing of the siren. The person in attendance must take special care to see that the shaft is always well supplied with oil.

In the shell of chamber 7 is a valve (20) which opens and closes the steam-ports. That valve is provided at its lower end with teeth which come into gear with the wheel 21. This wheel is on shaft 22, and motion is imparted to it by the lever 23 and the pitman-rod 24, which extends to the engine. Lever 25 is raised by means of a weight and thereby the valve is closed. A flange (10) is provided with a ball-shaped collar, which permits the downward movement of the trumpet 27, and furnishes a steam-tight connection with it.

168. A pulley (28) is on the fly-wheel shaft. The motion is transmitted from this to another pulley (29), which is placed on the same shaft with a worm (30). This worm imparts motion to the worm-wheel 31 to which is secured a carrier (32). This carrier pulls the pitman-rod 24 downwards, and causes the opening of the valve 20 whenever it comes in contact with a roller (33) placed at the lower end of the pitman-rod. The pet-cock 36 must be opened on starting the engine, and must remain open until there is no water in the cylinder. It must also be opened when the engine is stopped.

Description of engine.

The air-cock 38 must be opened whenever the pump is not required to feed. For the purpose of accelerating the suction of the pump, after it has been idle for some time, the air-cock and the water-cock are to be opened and water introduced into the pump through the latter until it reaches the air-cock. Then both cocks must be immediately closed.

By the safety-valve 43 the bursting of the feed-pipe is prevented, in case the stop-cock 44 should be closed. The stop-cock should always be open, and may only be closed in case it should become necessary to inspect the pump-valve while the pump is in operation, or the boiler water is blown off. The blow-off cock 46 is always closed except when it is necessary to blow off. The cock 67 stops the feed-pipe from the hand-pumps, and is opened when the boiler is to be fed by the latter.

169. The pressure of steam having reached twenty pounds, the engine and siren may be put into operation and continued.

Starting.

170. The steam pressure should be maintained uniformly as nearly as possible at seventy pounds, and never, if it can be avoided, to exceed eighty pounds.

Pressure.

171. In case of disarrangement of the valve-gear inside of the stand-pipe of the siren, take off the hand-hole plates, and see that the defects are remedied; that everything is secure inside, and that the keys and pins are in place.

Valve-gear.

THE STEAM-WHISTLE.

Description of
plates.

172. The following parts of this instrument are shown in Plate 8.

- A. Steam-drum.
- B. Stand-pipe.
- C. Chimney.
- C'. Damper.
- 1. Gauge-cocks.
- 2. Water gauge.
- 3. Safety-valve.
- 4. Steam-pipe for engine.
- 5. Throttle-valve for engine.
- 6. Steam-cylinder.
- 7. Piston-rod.
- 8. Connecting-rod.
- 9. Fly-wheel shaft.
- 10. Crank.
- 11. Fly-wheel.
- 12. Cam-wheel shaft.
- 13. Slide-valve rod.
- 14. Slide-valve connecting-rod.
- 15. Slide-valve eccentric.
- 16. Vibrating eccentric.
- 17. Vibrating connecting-rod.
- 18. Vibrating ratchet-arm.
- 19. Ratchet.
- 20. Ratchet-wheel.
- 21. Cam-wheel.
- 22. Cam.
- 23. Cam-wheel arm.
- 24. Cam-wheel arm-shaft.
- 25. Whistle-valve lever, exterior.
- 26. Whistle connecting-rod, exterior.
- 27. Whistle-valve lever, exterior.
- 28. Whistle-valve lever, interior.
- 29. Whistle connecting-rod, interior.
- 30. Whistle-valve.
- 31. Valve seat and steam-outlet.
- 32. Steam-whistle.
- 33. Governor-pulley on fly-wheel shaft.
- 34. Governor-pulley on pulley-shaft.
- 35. Governor.
- 36. Pressure-gauge.
- 37. Pump eccentric.
- 38. Pump.
- 39. Steam-pipe for auxiliary pump.
- 40. Auxiliary pump.
- 41. Feed-pipe.
- 42. Suction-pipe.
- 43. Friction-wheel.
- 44. Hand-lever.
- 45. Exhaust-pipe.
- 46. Drip-pipe.
- 47. Hand-hole.
- 48. Hand-hole.

THE ERICSSON ENGINE AND DABOLL TRUMPET.

173. The following-named parts of this instrument are shown on Plate 9.

1. Grate.
2. Heater.
3. Supply-piston.
4. Supply-piston valves.
5. Supply-piston rockshaft.
6. Levers on supply-piston rockshaft.
7. Driving-piston.
8. Driving-piston valves.
9. Driving-piston rockshaft.
10. Driving-piston levers.
11. Connecting-rod for driving-piston.
12. Connecting-rod for supply-piston.
13. Crank.
14. Main shaft.
15. Fly-wheel.
16. Worm on main shaft.
17. Cam on main shaft.
18. Gear-wheel on main shaft.
19. Gear-wheel on governor-shaft.
20. Governor.
21. Cam-wheel arm.
22. Exhaust-valve.
23. Air-pump piston-rod.
24. Air-pump piston.
25. Air-pump piston-valves.
26. Pump-cylinder.
27. Valve.
28. Air-reservoir.
29. Pressure-gauge.
30. Safety-valve.
31. Reed-box.
32. Worm-wheel.
33. Worm-wheel shaft.
34. Gear-wheel on worm-wheel shaft.
35. Cam-wheel shaft.
36. Bevel gear-wheel on cam-wheel shaft.
37. Cam-wheel.
38. Cams.
39. Hand lever for gearing.
40. Reed-valve lever.
41. Reed-valve.
42. Reed.
43. Reed-tongue.
44. Starting-bar.
45. Starting-bar shaft.
46. Crank.
47. Ratchet.
48. Ratchet.

174. The engine and engine-room must be kept clean and free from dirt in all its parts, and the engine in condition to have the fire lighted at a moment's notice. To do this the furnace must have been cleaned after last using, and fresh kindling placed upon the grate, ready to be lighted when needed. Cleanliness.

(To face page 24—Instructions to Light-Keepers.)

DIRECTIONS FOR USE OF GAMEWELL FOG BELL MACHINES.

Keep the machine scrupulously clean. Wipe all parts with slightly oiled waste or cloths.

Keep the machine dry. Stop openings in building through which spray or rain may fall.

Keep the bearings of machine and of hammer well oiled. Wipe off any excess of oil. Clock oil only must be used on clock movement, a very little at a time. Always remove winding crank when machine is wound up.

See that no obstruction is in the way of the chain, weight, hammer, or connecting rod.

Always let weight run down, or securely support it, before disconnecting any part of the machine. See that the chain, while winding up, drops off the back of sprocket so that it will not ride up on gathering side. Should it accidentally so ride, turn back slightly on crank, have a second person hold back the clicks, and turn back slowly until chain is free, then let go the clicks and gradually relieve strain on crank. Should large pawls fail to release, it shows that hammer head is too near the bell and should be adjusted back half an inch or until pawls drop freely.

Should the machine strike double blows, it shows that there is too much oil in the "Figure four" detent, or that the flat spring back of the "Figure four" is too weak. If the arm No. 47 does not drop with sufficient power to release the "Figure four" detent, tighten long spring No. 49, by turning nut No. 52 to the right.

Sometimes after long use the "catch" where the quadrant No. 25 locks on the "Figure four" becomes rounded, so that it will not lock, thus allowing the machine to run away. This may be remedied by filing this "catch" square again without putting in a new "Figure four." Proportion weight to size of bell as follows:

No. 4 machine.	{ 400 pounds weight for 1,000-pound bell.
	{ 450 pounds weight for 1,200-pound bell.
	{ 600 pounds weight for 1,500-pound bell.
No. 3 machine.	{ 700 pounds weight for 2,000-pound bell.
	{ 800 pounds weight for 2,500-pound bell.
	{ 900 pounds weight for 3,000-pound bell.

The best results will be obtained when the hammer shaft stands at angle of 45°.

In ordering new parts give the number of the machine and the number and name of the parts required.

all flying particles which come in contact with it; yet be sure that enough oil is always on, so that the parts may not run dry and cut. Never leave this machine alone while running. Some competent person must be in constant attendance upon it, to rectify any irregularity and prevent accidents which might occur.

192. Always remove the winding-crank as soon as the machine is wound up, and see that no obstruction is in the way of the weight, whereby it might be prevented from acting equally at all times upon the machine. Winding.

193. Be sure that the hammer and the rod connecting it with the machine does not come in contact with any of its surroundings during the operation of striking. Hammer and rod.

194. If any part or parts of the machine are to be removed for cleaning or repairs, be sure always to run down or support the driving weight of the machine. Never disconnect any part of the machine until this weight is secured, so that it will not operate it. Removing parts.

195. Never let the wire rope which supports the weight which actuates the machine rub or chafe against any surrounding parts. Regulation of weight.

- Firing up.** 175. During the time of firing up, let the crank of the engine point towards the furnace-door.
- Height of fuel.** 176. Keep the fuel upon the grate at a uniform height, and never allow it to touch above the linings.
- Ashes and dirt.** 177. The ash-pit under the grate must be kept free from ashes and other dirt.
178. Ashes and dirt collected in the jacket around the cylinder should be cleaned out once each week; this can be done through the narrow door or loose plate under the ash-pit.
- Starting.** 179. The starting is effected by working the fly-wheel about half round by the starting-bar. Watch closely after lighting the fire, and start as soon as the engine will work. The time when it will work can be determined only by attempts to start it. If not started at the proper time, and too much delay takes place, the heater will be destroyed.
- Stopping.** 180. The engine is stopped by opening the exhaust-valve on the top of the cylinder; keep this valve open until the engine is at rest, and open the furnace-door before stopping.
- While at rest.** 181. While at rest, the furnace-door must be kept open, and the wheel turned so as to bring the piston full out; if this is not done, as directed, the heater will be destroyed.
- Oiling, &c.** 182. The cylinder is best greased with a swab dipped in melted tallow. The journals, and all joints and bearings, must be oiled with good clean oil. Never put oil upon the stem of the exhaust-valve.
- Use of damper.** 183. By the damper, combustion may be checked or increased, and the power of the engine governed thereby.
- Inspection.** 184. A thorough examination, both internal and external, must be made at intervals of two months, so that a correct knowledge of the condition of the motor may be had.
- New packing.** 185. When new leather packing is needed for the piston, cut a ring of good stout calfskin, one-half inch larger in diameter than the bore of the cylinder; this must be attached to the piston in the same manner as the old one was, with the flesh side of the leather turned outward towards the cylinder. In case the piston is too large, when the packing is new and cannot readily be put in the cylinder, make a very light fire in the cylinder, so that it may be expanded; but use great care, and do not get it so hot as to burn the leather.
- Stuffing-box.** 186. The stuffing-box through which the piston-rod works should be screwed moderately tight only. Lamp-wick, or any other elastic material, will answer for packing.
- The trumpet.** 187. The reed or tongue is the most delicate part of the trumpet. The trumpet needs only to be kept clean and free; any fracture which may occur from excessive vibration may be repaired with hard solder by the visiting mechanic.
- Fitting of reed.** 188. The tongue or reed should be fitted so as to get a satisfactory tone—if too flat, make the point thinner; if too sharp, make the back end thinner. By trial, the best results can be soon obtained. Also, try different reeds of different pressures; and use that pressure which gives the best tone with each particular reed. Duplicate reeds will be furnished at all times when needed by application to the proper authorities, and the station should never be without two or more in store.

STEVENS FOG-BELL STRIKING APPARATUS.

189. The following-named parts are shown in Plate 10:

1. } Striking pallets.
2. }
3. Guide for pallets.
4. Drum.
5. Ratchet-wheel or striker-wheel.
6. Ratchet-wheel or striker-wheel (small).
7. Drum-pawl.

8. Wire rope with weight attached.
9. Center shaft.
10. Balance-lever.
11. Balance-lever arm.
12. Balance-lever arm to bell.
13. Connecting-rod to bell.
14. Lever on hammer-shaft.
15. Hammer-shaft.
16. Hammer.
17. Spring.
18. Frame.
19. Lock-lever.
20. Lock-arm working in wheel 21.
21. Lock-wheel.
22. Lock-trigger.
23. Cam-lever.
24. Cam on cam-lever.
25. Cam-lever weight.
26. Pin-wheel.
27. Clock-work.
28. Pendulum.
- 29 and 30. Gear-wheels.
31. Winding-crank.
32. Motion-weight for clock-work.

190. Keep the machine clean and free from dirt and rust in all its parts. This can only be done by constant care and attention, in wiping with waste or cloths which are slightly saturated with oil; care must be taken not to use so much oil that passing particles of dirt will adhere to the surface. Cleanliness and care.

Care must always be taken to keep the machine as dry as possible, by stopping closely the opening in the side of the room or ceiling through which the connection between the hammer and the machine passes, so as to prevent rain or spray from passing in and wetting the machinery.

191. Before starting the engine, be sure that the machinery and the hammer are well oiled in all bearings and points of contact where friction exists by one surface moving upon another with some pure lubricating oil. Oiling.

Upon the clock-work, which regulates the intervals between strokes, a fine oil, such as is used upon clocks, would be preferable. Avoid putting on too much oil, for by that means the machinery and surroundings will become filthy, and catch and retain all flying particles which come in contact with it; yet be sure that enough oil is always on, so that the parts may not run dry and cut. Never leave this machine alone while running. Some competent person must be in constant attendance upon it, to rectify any irregularity and prevent accidents which might occur.

192. Always remove the winding-crank as soon as the machine is wound up, and see that no obstruction is in the way of the weight, whereby it might be prevented from acting equally at all times upon the machine. Winding.

193. Be sure that the hammer and the rod connecting it with the machine does not come in contact with any of its surroundings during the operation of striking. Hammer and rod.

194. If any part or parts of the machine are to be removed for cleaning or repairs, be sure always to run down or support the driving weight of the machine. Never disconnect any part of the machine until this weight is secured, so that it will not operate it. Removing parts.

195. Never let the wire rope which supports the weight which actuates the machine rub or chafe against any surrounding parts. Regulation of weight.

[TO FACE PAGE 26, INSTRUCTIONS TO LIGHT-KEEPERS.]

At its meeting of July 1, 1884, the Light-House Board directed that—

“All painting, whitewashing, and application of other washes that may be necessary for the cleanliness and good appearance of the structures at light-stations shall be done by the keepers and assistants of such stations, under the direction and supervision of the inspector of the district.”

A proper economy must be used in the expenditure of paints for this purpose, and a record must be kept in the journal of the station of all the work done.

In case the clock-work has not enough power to throw off the falling lever or cam which liberates the striking weight, move the brass weight which actuates the clock-work farther from the center and toward the end of the lever. This will increase the power, and, moving the weight toward the center will diminish the power.

If the falling lever operated by the pins falls, but does not have the power to liberate the striking levers, the power may be increased by moving the brass weight toward the outer end of the lever, and if the weight is too great, move the weight toward the center or fulcrum of the lever.

Before making any alterations in the machine it would be well to examine it thoroughly, and see if the difficulty does not arise from some cause independent of the machinery.

Do not use any more weight to drive the machine than will give a good sharp blow or give the best result in tone and loudest sound from the bell struck.

The sections of the weight furnished weigh one hundred pounds each, except the section which has the hook attached, which is heavier. Three hundred pounds will strike a sharp blow, and four hundred pounds a very hard blow; proportion the weight and blow to the size of the bell to be struck.

"ANDERSON'S" HAND FOG-SIGNAL.

Cleanliness
and care.

196. This instrument should be kept clean in all its parts.

Avoid bruising or indenting the cylinders.

Should such accident occur, introduce a round piece of smooth wood, as large in diameter as the cylinder will admit, and with a small, round, hard stick rub and press the indented part until restored to its original form as near as possible. Avoid drawing the metal, which would permanently injure the instrument.

Use great care to keep sand and all similar substances out of the instrument.

Reed.

197. As long as the instrument gives good tone, do not meddle with the tongue or reed in any other way than to wipe and keep it clean. Observe when the instrument is in good order the position of the reed relative to the reed-seat; then, should accident occur to the reed, put it in the same relative position as it was originally, and try the tone of the instrument. This need only be done when no duplicate reeds are in store. When duplicates are at hand, replace the injured one with a new one, and preserve the injured one, that it may be repaired.

Packing of piston.

198. The packing upon the lower end of the piston-cylinder can be renewed when worn with lamp-wick or other similar material, which material should be filled with clean tallow when applied to the piston.

INSTRUCTIONS FOR PAINTING.

Inside work.

199. The whole interior of the light-house lanterns (dome, astragals, ventilators, smoke conductor, &c.), is to be painted white, and must be kept clean, free from soot and grease, and the white paint renewed as often as necessary.

The paint may be kept clean and free from soot and grease by occasional scrubbing and washing with clear, soft hot water and soap, followed by clean water. If from bad ventilation, neglect, or from any other cause, the interior of the dome, the astragals, &c., have become very dirty, and the soot and grease cannot be removed by scrubbing with hot water and soap, then the lye of wood ashes (oak or hickory) will remove it. In case lye cannot be had, then it may be washed with strong lime water, which will answer nearly as well as strong lye. Lye is not, however, to be used in cleaning wood work for painting or repainting.

In painting outside work the color must not be changed from that previously existing. (See paragraph 63 of the Regulations of the Light-House Board.)

At its meeting of November 10, 1885, the Light-House Board directed that—
The following colors only shall hereafter be used in painting light-house structures.

OUTSIDE COLORS.

White.....For wooden structures.
Lead-color For trimmings of white structures.
Black For lanterns and gallery-railings.
Brown For iron structures, and to replace black on the outside of all structures.
Green For outside shutters.
Red In exceptional cases, to mark the starboard side in entering channels.
Whitewash Where now used.

INSIDE COLORS.

White.....For the interior of lanterns, and generally for all interior wood-work except hard-wood.
Green For pedestals and service-tables.
Lead-color For floors, staircases, and walls when authorized to be painted. Hard-pine floors and hard-woods generally are not to be painted.
Black For iron staircases and railings, and for interior iron-work in general, except pedestals and service-tables.
Whitewash For walls, cellars, and out-houses when painting has not been authorized.

NOTE.—Asphaltum varnish of good quality may be used in place of black paint on iron-work, except when it may come in contact with putty.

[TO FACE PAGE 27, INSTRUCTIONS TO LIGHT-KEEPERS.]

At its meeting of October 17, 1888, the Light-House Board prohibited the use of coal-tar and asphaltum varnish in painting light-house structures, and to that end ordered that the note at the bottom of the order of the Board as to colors, which was made at the meeting of the Board held on November 10, 1888, and which faces page 27, in the book entitled "Instructions to Light-Keepers," be cancelled.

[TO FACE PAGE 27, INSTRUCTIONS TO LIGHT-KEEPERS.]

AMENDMENT OF LIGHT-HOUSE REGULATIONS.

At the session of the United States Light-House Board held on June 1, 1891, its regulations prescribed in the book printed in 1880, and entitled "Laws and Regulations relating to the Light-House Establishment," were amended so as to insert the following paragraphs on page 424:

The following colors only shall hereafter be used in painting light-house structures:

OUTSIDE COLORS.

Brown or white.....For wooden structures.
Red or lead-color.....For trimmings of structures.
Black For lanterns and gallery-railings.
Brown For iron structures, and to replace black on the outside of all structures.
Red, green, or brown...For outside shutters.
Red In exceptional cases, to mark the starboard side in entering channels.
Whitewash Where now used.

INSIDE COLORS.

White.....For the interior of lanterns, and generally for all interior wood-work except hardwood.
Green For pedestals and service-tables.
Grained or lead-color...For floors, staircases, and walls when authorized to be painted. Hard-pine floors and hardwoods generally are not to be painted.
Black.....For iron staircases and railings, and for interior ironwork in general, except pedestals and service-tables.
Black or white.....Underside of tower stairways.
Whitewash.....For walls, cellars, and outhouses when painting has not been authorized.

The use of coal tar and asphaltum varnish in painting light-house structures is prohibited, also lanterns and lantern decks.

"All painting, whitewashing, and application of other washes that may be necessary for the cleanliness and good appearance of the structures at light-stations shall be done by the keepers and assistants of such stations, under the direction and supervision of the inspector of the district."

200. Paint will not adhere to and dry upon wood or metal which is not perfectly clean and entirely free from soot and grease. Outside work.
Preparation
for painting.

Soot must be removed by brushes and cloths or towels, and by washing with hot soft water and soap.

Oil and other grease on wood work must be removed by the use of spirits of turpentine and a worn or other stiff brush, rubbing the part vigorously until the stains are removed. When the above means have been resorted to without entire success, mix a thin whitewash, strain it, and give the parts to be painted a coat of it with a paint brush. When this whitewash becomes thoroughly dry, take a clean brush and with it remove all the whitewash, and the parts thus treated will be in proper condition for receiving the paint.

Iron, brass, copper, &c., must be cleaned so as to present a smooth surface. All blistered and cracked paint, and all rust on iron, must be carefully removed and the parts smoothed before putting on the paint.

201. A mixture prepared by the following recipe will remove paint from old iron: Removing
paint from old
iron.

Dissolve two pounds of potash in a bucket of water, add about one and a half pounds of slacked lime, and stir it well.

With a mop apply this mixture to the paint, and after a few minutes it may be easily removed by scraping.

As rapidly as the old paint is scraped off, rinse the iron with fresh water, and dry it. This will leave the iron clean and bright.

202. Take the necessary quantity of paint from the keg and mix spirits of turpentine with it until it is of the consistency of cream; then put in patent drying or Japan varnish in the proportion of one gill for each gallon of paint, and mix the paint, turpentine, and drying well together—the paint will then be ready for immediate use. When the paint in the paint bucket becomes thicker than cream, it must be thinned by adding small quantities of spirits of turpentine, and it may be necessary to add also a very small quantity of boiled linseed oil at the same time to increase its drying qualities. Preparation
for inside work.

Black paint for inside work will be greatly improved by mixing it with spirits of turpentine and copal or coachmakers' varnish. The varnish will give the paint when dry a gloss.

Black paint for inside work may be prepared with dry lampblack, mixed with copal or coachmakers' varnish and then thinned to the consistency of cream with spirits of turpentine. One pound of fine lampblack will require about half a gallon of varnish to prepare it to receive the spirits of turpentine.

No oil is to be mixed with paint which has been ground in oil in preparing paint for inside work.

Red lead is put up dry. Quantities required for immediate use only are to be mixed. If not used immediately after being mixed, it becomes hard and unfit for any use.

203. Paints for outside work are to be mixed with boiled linseed oil and the necessary quantity of patent drying or Japan varnish. Preparation
for outside work.

Black paint for outside work may be mixed with boiled linseed oil and copal or coachmakers' varnish.

No spirits of turpentine is to be used in mixing paints for outside work.

Iron work which has been neglected and rusty should be thoroughly cleaned by scraping and polishing, and then primed with one or two coats of red lead before the paint of the required color is put on.

Raw linseed oil is, as a general rule, only used for priming new wood work.

204. For gray or lead color add lampblack (or black paint ground in oil) in small quantities to white paint, ground in oil, until the desired shade is obtained. Hints for mix-
ing paints.

For yellow paint, chrome yellow and yellow ochre are in general use.

For straw color or buff: to chrome yellow or yellow ochre add, in small quanti-

ties at a time, white paint (ground in oil) until the desired shade is obtained, to which a small quantity of Venetian red may be added to soften the yellow gloss.

For brick color, mix yellow paint, red lead, and a small quantity of white paint.

Oak-wood color may be made with three-fourths of white paint and one-fourth of umber and yellow ochre. The proportions of umber and yellow ochre will be determined by the desired tint.

Portland-stone color is made with umber, yellow, and white paint.

In mixing all paints it must be remembered that the quantity of drying is to be in the same proportion, and that for inside work, or work not exposed to the weather, spirits of turpentine is to be used for thinning, and for outside work, exposed to the weather, oil is to be used without turpentine.

The following materials may be mixed with the paints as driers:

Patent drying, paste.

Japan varnish, liquid.

Litharge, in powder.

When litharge is used as a drier, it must be reduced to a fine powder; then, by means of a little oil, made into paste, and finally mixed thoroughly with the paint before using it.

Paint-brushes. 205. Paint brushes are round and flat, and of different sizes. Round brushes vary from one to two and a half inches in diameter.

The large paint brushes are used for putting on priming and in painting over large surfaces, which require considerable quantities of color.

The small brushes are used for parts to which the large brushes, from their size, cannot be applied.

Flat brushes are used for sashes, for varnishing, and for painting in lines or narrow spaces.

When the bristles of a brush get loose, drive a few thin wedges of wood inside of the binding twine or thread, which will render the whole fast again.

A different brush should be used for each color.

Brushes which have been used must not be left to dry with the paint in them. They should be put into a paint pot, or old paint keg, with sufficient water to come within half an inch of the binding of the brush. Care must be taken not to have too much water in the paint pot or keg, for if the binding of the brush is left in the water it will soon rot, and the brush will be useless. When short of brushes, they may be washed in oil or spirits of turpentine, and finally with soap and water, so as to render them fit for use in any color. The oil and spirits of turpentine used in washing brushes will do for mixing paint of the same color of the paint washed from the brushes.

Care of paints. 206. Paints of all descriptions must be put up in the best manner, and kept in a dry place.

Dryings, varnish, &c., must be kept in bottles or tins.

When a part of the paint is taken from a keg (ground in oil) the residue is to be covered with water to the depth of one or two inches, at least, and then the head of the keg is to be put in tightly. The paint must not be left to dry, nor exposed to the air or weather.

Putty must be put up and kept in bladders, under cover, and not exposed either to the sun or weather.

When too hard for use, it may be softened by mashing and rolling in the hands, aided by the addition of a little linseed oil.

To make putty: to four-fifths of pulverized Spanish whiting add one-fifth linseed oil, and work it into a paste.

Hints as to putting on paint.

207. In painting, durability is to be the first consideration.

The parts to be painted must be clean, smooth, and free from grease. All holes, cracks, nail-heads, &c., must be filled in with putty. If the wood is new, the first

[TO FACE PAGE 29, INSTRUCTIONS TO LIGHT-KEEPERS.]

A simpler whitewash.

208½. The following formula for mixing whitewash, when properly made and put on, gives a white that does not easily wash or rub off, viz:

To ten parts of best freshly slacked lime add one part of best hydraulic cement, mix well with salt-water and apply quite thin.

"Sylvester's process" for excluding moisture from external walls.

209½. The process consists in using two washes or solutions for covering the surface of brick walls, one composed of soap and water and one of alum and water. The proportions are, three-quarters of a pound of soap to one gallon of water, and half a pound of alum to four gallons of water, both substances to be perfectly dissolved in the water before being used.

The walls should be perfectly clean and dry, and the temperature of the air should not be below 50° Fahrenheit when the compositions are applied.

The first or soap wash should be laid on when at boiling heat, with a flat brush, taking care not to form a froth on the brick-work. This wash should remain twenty-four hours, so as to become dry and hard before the second or alum wash is applied, which should be done in the same manner as the first. The temperature of this wash when applied may be 60° or 70°, and it should also remain twenty-four hours before a second coat of the soap wash is put on, and these coats are to be repeated alternately until the walls are made impervious to water.

The alum and soap thus combined form an insoluble compound, filling the pores of the masonry and entirely preventing the water from penetrating the walls.

Four coatings render bricks impenetrable.

coat should be put on thin, to serve as a priming. If new iron, then a thin coat or two of red paint should be put on as a priming.

A second coat of paint is never to be put on until the previous one is thoroughly dry and hard, which will never be the case whilst the least stickiness is felt on applying the hand to it.

Each coat should be of the same thickness throughout, otherwise the work, when done, will have an unfinished and slovenly appearance.

Paint put on too thin, after priming, will crack in drying; if put on too thick, it will blister, wrinkle, and peel off.

In using the brush, where there is sufficient space, long strokes should be employed to extend the color in a smooth and uniform manner; where the space is contracted or rough, the paint should be laid on in dabs, for the purpose of getting it into the recesses and places where the surface is unequal.

Sash brushes and pencils should not be dipped into the paint pots, but a small quantity of the paint should be placed upon a clean board, a piece of tin, or glass, to serve as a palette—the brush or pencil can then be worked into the paint, and fine lines drawn with it; but if dipped into the paint pot, the exterior of the brush only will be covered with paint, with which it will not be possible to do nice work.

RECIPES.

WHITEWASH.

208. The following recipe for whitewashing has been found by experience to answer on wood, brick, and stone, nearly as well as oil paint, and is much cheaper:

Slake half a bushel of unslaked lime with boiling water, keeping it covered during the process. Strain it and add a peck of salt, dissolved in warm water; three pounds of ground rice put in boiling water, and boiled to a thin paste; half a pound of powdered Spanish whiting, and a pound of clear glue, dissolved in warm water; mix these well together, and let the mixture stand for several days. Keep the wash thus prepared in a kettle or portable furnace, and when used put it on as hot as possible, with painters' or whitewash brushes.

CEMENT-WASHING THE OUTSIDE OF LIGHT-HOUSE TOWERS.

209. Take of fresh Rosendale cement three parts, clean sand one part, and mix them thoroughly with fresh water. This will give a gray or granite color, dark or light, according to the color of the cement. If a brick color is desired, add enough Venetian red to the mixture to produce that color. The cement, sand, and coloring matter must be mixed together. If white is desired, the walls, when new, should receive two coats of cement-wash, and then whitewash. After the work has received the first coat, a single coat every three or four years will be sufficient.

It is best to thoroughly dampen the wall with clean fresh water, and follow immediately after with the cement-wash. This course will prevent the bricks from absorbing the water from the wash too quickly, and will give time for the cement to set. Care must be taken to keep all the ingredients of the cement-wash well stirred during the application of it.

The mixture must be made as thick as it will admit of to be conveniently put on with a whitewash brush.

TO PURIFY RAIN WATER AT LIGHT-HOUSE STATIONS.

210. Water contaminated with chloride of lead from salt spray resting on the leads of light-houses, &c., whence rain water is collected, does not lose its poisonous qualities either by boiling or by exposure to the air.

[TO FACE PAGE 30, INSTRUCTIONS TO LIGHT-KEEPERS.]

At its meeting of December 3, 1883, the Light-House Board amended Paragraph 211 of the Instructions to Light-Keepers so as to read as follows:

Table of weekly allowance per man for vessels of the Light-House Establishment.

Beef, corned	2 pounds.	Sugar	2 pounds.
Beef, preserved	1½ pounds.	Molasses	½ pint.
Pork	2 pounds.	Coffee	7 ounces.
Codfish	2 pounds.	Tea	1½ ounces.
Flour	4 pounds.	Butter	8 ounces.
Pilot bread	2½ pounds.	Vinegar	½ pint.
Rice	½ pound.	Pickles	½ pound.
Beans	1½ pints.	Tomatoes	12 ounces.
Potatoes	12 pounds.	Dried apples	4 ounces.
Onions	2 pounds.		

Table of annual allowance per man for light-stations and fog-signal stations.

Beef	200 pounds.	Potatoes	4 bushels.
Pork	100 pounds.	Onions	1 bushel.
Flour	1 barrel.	Sugar	50 pounds.
Rice	25 pounds.	Coffee	24 pounds.
Beans	10 gallons.	Vinegar	4 gallons.

At the request of the master of the vessel or keeper of the light-station, these quantities may be changed, some being increased and others diminished, provided the total cost of the ration is not thereby made greater.

[To face page 30, Instructions to Keepers, 1902.]

Amendment to paragraphs 213 and 215.

WHEN THE LAMPS HAVE THE ROTATING-BURNER WICK RAISER.

213. Remove chimney holder together with outside tube, pour in oil until lamp is full, put back in place outside tube and chimney holder. To fill lamp.

215 (second part). Remove chimney holder, raise wick by turning outside tube by hand until the wick is free of spiral tube, take out outside tube, take off old and put on new wick; replace parts in original position. To replace wick.

[TO FACE PAGE 30, INSTRUCTIONS TO LIGHT-KEEPERS.]

The following allowance is authorized to be added to the "Table of weekly allowance per man for vessels of the Light-House Establishment:"

Mustard	¼ ounce.
Pepper	¼ ounce.

(To face page 30, Instructions to Light Keepers.)

At its meeting on April 3, 1899, the Light-House Board further amended paragraph 211 of the Instructions to Light Keepers so as to read as follows :

Table of weekly allowance per man for vessels of the Light-House Establishment.

Beef (corned)	1 pound.	Molasses	½ pint.
Pork	2 pounds.	Coffee	7 ounces.
Codfish	1 pound.	Tea	1½ ounces.
Mutton (fresh canned)	1 pound.	Butter	8 ounces.
Bacon	1 pound.	Vinegar	½ pint.
Ham	1 pound.	Pickles	½ pound.
Flour	4 pounds.	Tomatoes (canned)	8 ounces.
Pilot bread	2 pounds.	Corn (canned)	8 ounces.
Rice	½ pound.	Apples (evaporated)	2 ounces.
Corn meal	½ pound.	Peaches (dried)	2 ounces.
Oatmeal	½ pound.	Raisins	1 ounce.
Beans	1 pint.	Salt	6 ounces.
Pease (split)	½ pint.	Pepper	½ ounce.
Potatoes	12 pounds.	Mustard	¼ ounce.
Onions	2 pounds.	Baking powder	1 ounce.
Sugar	2 pounds.		

To purify this water, and render it perfectly fit for all culinary and domestic purposes, it will only be necessary to put some powdered chalk or whiting into each cistern in which such rain water is collected, and to stir it up well, occasionally, after rain has fallen.

ALLOWANCES OF PROVISIONS.

211. At certain unusually isolated light-stations an allowance of provisions is granted by the special authority of the Light-House Board in each case.

A similar allowance, but necessarily greater in amount, is granted to the master and crew of light-vessels.

The articles are furnished in accordance with the following tables of allowances:

Table of quarterly allowance per man for vessels of the Light-House Establishment.

Pork	45 pounds.	Coffee	6 pounds.
Beef	45 pounds.	Butter	3 $\frac{1}{4}$ pounds.
Flour	20 pounds.	Beans or pease.....	2 $\frac{1}{4}$ gallons.
Rice	10 pounds.	Vinegar	$\frac{3}{4}$ gallon.
Raisins.....	6 $\frac{1}{2}$ pounds.	Molasses	$\frac{3}{4}$ gallon.
Ship biscuit.....	65 pounds.	Pickles	6 pounds.
Brown sugar.....	14 pounds.	Potatoes	2 $\frac{1}{2}$ bushels.
Tea	1 $\frac{3}{8}$ pounds.	Onions	1 bushel.

Table of annual allowance per man for light-stations and fog-signal stations.

Pork	200 pounds.	Coffee (green grain).....	24 pounds.
Beef	100 pounds.	Beans or pease.....	10 gallons.
Flour	2 barrels.	Vinegar	4 gallons.
Rice.....	50 pounds.	Potatoes.....	2 barrels.
Brown sugar.....	50 pounds.		

TABLES OF KEEPERS' SALARIES.

In order to facilitate the payment of keepers' salaries for fractional portions of the quarter, the following tables have been computed.

For fractional parts of any month in the first quarter of leap year, use the column under "second quarter," the rate of pay being the same.

TABLES OF KEEPERS' SALARIES.

\$1,000 PER ANNUM—\$250 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$2 78	47	\$130 56	1	\$2 75	47	\$129 12	1	\$2 72	47	\$127 72
2	5 56	48	133 33	2	5 49	48	131 87	2	5 43	48	130 43
3	8 33	49	136 11	3	8 24	49	134 62	3	8 15	49	133 15
4	11 11	50	138 89	4	10 99	50	137 36	4	10 87	50	135 87
5	13 89	51	141 67	5	13 74	51	140 11	5	13 59	51	138 59
6	16 67	52	144 44	6	16 48	52	142 86	6	16 30	52	141 30
7	19 44	53	147 22	7	19 23	53	145 60	7	19 02	53	144 02
8	22 22	54	150 00	8	21 98	54	148 35	8	21 74	54	146 74
9	25 00	55	152 78	9	24 73	55	151 10	9	24 46	55	149 46
10	27 78	56	155 56	10	27 47	56	153 85	10	27 17	56	152 17
11	30 56	57	158 33	11	30 22	57	156 59	11	29 89	57	154 89
12	33 33	58	161 11	12	32 97	58	159 34	12	32 61	58	157 61
13	36 11	59	163 89	13	35 71	59	162 09	13	35 33	59	160 33
14	38 89	60	166 67	14	38 46	60	164 84	14	38 04	60	163 04
15	41 67	61	169 44	15	41 21	61	167 58	15	40 76	61	165 76
16	44 44	62	172 22	16	43 96	62	170 33	16	43 48	62	168 48
17	47 22	63	175 00	17	46 70	63	173 08	17	46 20	63	171 20
18	50 00	64	177 78	18	49 45	64	175 82	18	48 91	64	173 91
19	52 78	65	180 56	19	52 20	65	178 57	19	51 63	65	176 63
20	55 56	66	183 33	20	54 95	66	181 32	20	54 35	66	179 35
21	58 33	67	186 11	21	57 69	67	184 07	21	57 07	67	182 07
22	61 11	68	188 89	22	60 44	68	186 81	22	59 78	68	184 78
23	63 89	69	191 67	23	63 19	69	189 56	23	62 50	69	187 50
24	66 67	70	194 44	24	65 93	70	192 31	24	65 22	70	190 22
25	69 44	71	197 22	25	68 68	71	195 05	25	67 93	71	192 93
26	72 22	72	200 00	26	71 43	72	197 80	26	70 65	72	195 65
27	75 00	73	202 78	27	74 18	73	200 55	27	73 37	73	198 37
28	77 78	74	205 56	28	76 92	74	203 30	28	76 09	74	201 09
29	80 56	75	208 33	29	79 67	75	206 04	29	78 80	75	203 80
30	83 33	76	211 11	30	82 42	76	208 79	30	81 52	76	206 52
31	86 11	77	213 89	31	85 16	77	211 54	31	84 24	77	209 24
32	88 89	78	216 67	32	87 91	78	214 29	32	86 96	78	211 96
33	91 67	79	219 44	33	90 66	79	217 03	33	89 67	79	214 67
34	94 44	80	222 22	34	93 41	80	219 78	34	92 39	80	217 39
35	97 22	81	225 00	35	96 15	81	222 53	35	95 11	81	220 11
36	100 00	82	227 78	36	98 90	82	225 27	36	97 83	82	222 83
37	102 78	83	230 56	37	101 65	83	228 02	37	100 54	83	225 54
38	105 56	84	233 33	38	104 40	84	230 77	38	103 26	84	228 26
39	108 33	85	236 11	39	107 14	85	233 52	39	105 98	85	230 98
40	111 11	86	238 89	40	109 89	86	236 26	40	108 70	86	233 70
41	113 89	87	241 67	41	112 64	87	239 01	41	111 41	87	236 41
42	116 67	88	244 44	42	115 38	88	241 76	42	114 13	88	239 13
43	119 44	89	247 22	43	118 13	89	244 51	43	116 85	89	241 85
44	122 22	90	250 00	44	120 88	90	247 25	44	119 57	90	244 57
45	125 00			45	123 63	91	250 00	45	122 28	91	247 28
46	127 78			46	126 37			46	125 00	92	250 00

TABLES OF KEEPERS' SALARIES.

\$900 PER ANNUM—\$225 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$2 50	47	\$117 50	1	\$2 47	47	\$116 21	1	\$2 45	47	\$114 95
2	5 00	48	120 00	2	4 95	48	118 68	2	4 89	48	117 39
3	7 50	49	122 50	3	7 42	49	121 15	3	7 34	49	119 84
4	10 00	50	125 00	4	9 89	50	123 63	4	9 78	50	122 28
5	12 50	51	127 50	5	12 36	51	126 10	5	12 23	51	124 73
6	15 00	52	130 00	6	14 84	52	128 57	6	14 67	52	127 17
7	17 50	53	132 50	7	17 31	53	131 04	7	17 12	53	129 62
8	20 00	54	135 00	8	19 78	54	133 52	8	19 57	54	132 07
9	22 50	55	137 50	9	22 25	55	135 99	9	22 01	55	134 51
10	25 00	56	140 00	10	24 73	56	138 46	10	24 46	56	136 96
11	27 50	57	142 50	11	27 20	57	140 93	11	26 90	57	139 40
12	30 00	58	145 00	12	29 67	58	143 41	12	29 35	58	141 85
13	32 50	59	147 50	13	32 14	59	145 88	13	31 79	59	144 29
14	35 00	60	150 00	14	34 62	60	148 35	14	34 24	60	146 74
15	37 50	61	152 50	15	37 09	61	150 82	15	36 68	61	149 18
16	40 00	62	155 00	16	39 56	62	153 30	16	39 13	62	151 63
17	42 50	63	157 50	17	42 03	63	155 77	17	41 58	63	154 08
18	45 00	64	160 00	18	44 51	64	158 24	18	44 02	64	156 52
19	47 50	65	162 50	19	46 98	65	160 71	19	46 47	65	158 97
20	50 00	66	165 00	20	49 45	66	163 19	20	48 91	66	161 41
21	52 50	67	167 50	21	51 92	67	165 66	21	51 36	67	163 86
22	55 00	68	170 00	22	54 40	68	168 13	22	53 80	68	166 30
23	57 50	69	172 50	23	56 87	69	170 60	23	56 25	69	168 75
24	60 00	70	175 00	24	59 34	70	173 08	24	58 70	70	171 20
25	62 50	71	177 50	25	61 81	71	175 55	25	61 14	71	173 64
26	65 00	72	180 00	26	64 29	72	178 02	26	63 59	72	176 09
27	67 50	73	182 50	27	66 76	73	180 49	27	66 03	73	178 53
28	70 00	74	185 00	28	69 23	74	182 97	28	68 48	74	180 98
29	72 50	75	187 50	29	71 70	75	185 44	29	70 92	75	183 42
30	75 00	76	190 00	30	74 18	76	187 91	30	73 37	76	185 87
31	77 50	77	192 50	31	76 65	77	190 38	31	75 82	77	188 32
32	80 00	78	195 00	32	79 12	78	192 86	32	78 26	78	190 76
33	82 50	79	197 50	33	81 59	79	195 33	33	80 71	79	193 21
34	85 00	80	200 00	34	84 07	80	197 80	34	83 15	80	195 65
35	87 50	81	202 50	35	86 54	81	200 27	35	85 60	81	198 10
36	90 00	82	205 00	36	89 01	82	202 75	36	88 04	82	200 54
37	92 50	83	207 50	37	91 48	83	205 22	37	90 49	83	202 99
38	95 00	84	210 00	38	93 96	84	207 69	38	92 93	84	205 43
39	97 50	85	212 50	39	96 43	85	210 16	39	95 38	85	207 88
40	100 00	86	215 00	40	98 90	86	212 64	40	97 83	86	210 33
41	102 50	87	217 50	41	101 37	87	215 11	41	100 27	87	212 77
42	105 00	88	220 00	42	103 85	88	217 58	42	102 72	88	215 22
43	107 50	89	222 50	43	106 32	89	220 05	43	105 16	89	217 66
44	110 00	90	225 00	44	108 79	90	222 53	44	107 61	90	220 11
45	112 50			45	111 26	91	225 00	45	110 05	91	222 55
46	115 00			46	113 74			46	112 50	92	225 00

TABLES OF KEEPERS' SALARIES.

\$820 PER ANNUM—\$205 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$2 28	47	\$107 06	1	\$2 25	47	\$105 88	1	\$2 23	47	\$104 73
2	4 56	48	109 33	2	4 51	48	108 13	2	4 46	48	106 96
3	6 83	49	111 61	3	6 76	49	110 38	3	6 68	49	109 18
4	9 11	50	113 89	4	9 01	50	112 64	4	8 91	50	111 41
5	11 39	51	116 17	5	11 26	51	114 89	5	11 14	51	113 64
6	13 67	52	118 44	6	13 52	52	117 14	6	13 37	52	115 87
7	15 94	53	120 72	7	15 77	53	119 40	7	15 60	53	118 10
8	18 22	54	123 00	8	18 02	54	121 65	8	17 83	54	120 33
9	20 50	55	125 28	9	20 27	55	123 90	9	20 05	55	122 55
10	22 78	56	127 56	10	22 53	56	126 15	10	22 28	56	124 78
11	25 06	57	129 83	11	24 78	57	128 41	11	24 51	57	127 01
12	27 33	58	132 11	12	27 03	58	130 66	12	26 74	58	129 24
13	29 61	59	134 39	13	29 29	59	132 91	13	28 97	59	131 47
14	31 89	60	136 67	14	31 54	60	135 16	14	31 20	60	133 70
15	34 17	61	138 94	15	33 79	61	137 42	15	33 42	61	135 92
16	36 44	62	141 22	16	36 04	62	139 67	16	35 65	62	138 15
17	38 72	63	143 50	17	38 30	63	141 92	17	37 88	63	140 38
18	41 00	64	145 78	18	40 55	64	144 18	18	40 11	64	142 61
19	43 28	65	148 06	19	42 80	65	146 43	19	42 34	65	144 84
20	45 56	66	150 33	20	45 05	66	148 68	20	44 57	66	147 07
21	47 83	67	152 61	21	47 31	67	150 93	21	46 79	67	149 29
22	50 11	68	154 89	22	49 56	68	153 19	22	49 02	68	151 52
23	52 39	69	157 17	23	51 81	69	155 44	23	51 25	69	153 75
24	54 67	70	159 44	24	54 07	70	157 69	24	53 48	70	155 98
25	56 94	71	161 72	25	56 32	71	159 95	25	55 71	71	158 21
26	59 22	72	164 00	26	58 57	72	162 20	26	57 93	72	160 43
27	61 50	73	166 28	27	60 82	73	164 45	27	60 16	73	162 66
28	63 78	74	168 56	28	63 08	74	166 70	28	62 39	74	164 89
29	66 06	75	170 83	29	65 33	75	168 96	29	64 62	75	167 12
30	68 33	76	173 11	30	67 58	76	171 21	30	66 85	76	169 35
31	70 61	77	175 39	31	69 83	77	173 46	31	69 08	77	171 58
32	72 89	78	177 67	32	72 09	78	175 71	32	71 30	78	173 80
33	75 17	79	179 94	33	74 34	79	177 97	33	73 53	79	176 03
34	77 44	80	182 22	34	76 59	80	180 22	34	75 76	80	178 26
35	79 72	81	184 50	35	78 85	81	182 47	35	77 99	81	180 49
36	82 00	82	186 78	36	81 10	82	184 73	36	80 22	82	182 72
37	84 28	83	189 06	37	83 35	83	186 98	37	82 45	83	184 95
38	86 56	84	191 33	38	85 60	84	189 23	38	84 67	84	187 17
39	88 83	85	193 61	39	87 86	85	191 48	39	86 90	85	189 40
40	91 11	86	195 89	40	90 11	86	193 74	40	89 13	86	191 63
41	93 39	87	198 17	41	92 36	87	195 99	41	91 36	87	193 86
42	95 67	88	200 44	42	94 62	88	198 24	42	93 59	88	196 09
43	97 94	89	202 72	43	96 87	89	200 49	43	95 82	89	198 32
44	100 22	90	205 00	44	99 12	90	202 75	44	98 04	90	200 54
45	102 50			45	101 37	91	205 00	45	100 27	91	202 77
46	104 78			46	103 63			46	102 50	92	205 00

TABLES OF KEEPERS' SALARIES.

\$800 PER ANNUM—\$200 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$2 22	47	\$104 44	1	\$2 20	47	\$103 30	1	\$2 17	47	\$102 17
2	4 44	48	106 67	2	4 40	48	105 49	2	4 35	48	104 35
3	6 67	49	108 89	3	6 59	49	107 69	3	6 52	49	106 52
4	8 89	50	111 11	4	8 79	50	109 89	4	8 70	50	108 70
5	11 11	51	113 33	5	10 99	51	112 09	5	10 87	51	110 87
6	13 33	52	115 56	6	13 19	52	114 29	6	13 04	52	113 04
7	15 56	53	117 78	7	15 38	53	116 48	7	15 22	53	115 22
8	17 78	54	120 00	8	17 58	54	118 68	8	17 39	54	117 39
9	20 00	55	122 22	9	19 78	55	120 88	9	19 57	55	119 57
10	22 22	56	124 44	10	21 98	56	123 08	10	21 74	56	121 74
11	24 44	57	126 67	11	24 18	57	125 27	11	23 91	57	123 91
12	26 67	58	128 89	12	26 37	58	127 47	12	26 09	58	126 09
13	28 89	59	131 11	13	28 57	59	129 67	13	28 26	59	128 26
14	31 11	60	133 33	14	30 77	60	131 87	14	30 43	60	130 43
15	33 33	61	135 56	15	32 97	61	134 07	15	32 61	61	132 61
16	35 56	62	137 78	16	35 16	62	136 26	16	34 78	62	134 78
17	37 78	63	140 00	17	37 36	63	138 46	17	36 96	63	136 96
18	40 00	64	142 22	18	39 56	64	140 66	18	39 13	64	139 13
19	42 22	65	144 44	19	41 76	65	142 86	19	41 30	65	141 30
20	44 44	66	146 67	20	43 96	66	145 05	20	43 48	66	143 48
21	46 67	67	148 89	21	46 15	67	147 25	21	45 65	67	145 65
22	48 89	68	151 11	22	48 35	68	149 45	22	47 83	68	147 83
23	51 11	69	153 33	23	50 55	69	151 65	23	50 00	69	150 00
24	53 33	70	155 56	24	52 75	70	153 85	24	52 17	70	152 17
25	55 56	71	157 78	25	54 95	71	156 04	25	54 35	71	154 35
26	57 78	72	160 00	26	57 14	72	158 24	26	56 52	72	156 52
27	60 00	73	162 22	27	59 34	73	160 44	27	58 70	73	158 70
28	62 22	74	164 44	28	61 54	74	162 64	28	60 87	74	160 87
29	64 44	75	166 67	29	63 74	75	164 83	29	63 04	75	163 04
30	66 67	76	168 89	30	65 93	76	167 03	30	65 22	76	165 22
31	68 89	77	171 11	31	68 13	77	169 23	31	67 39	77	167 39
32	71 11	78	173 33	32	70 33	78	171 43	32	69 57	78	169 57
33	73 33	79	175 56	33	72 53	79	173 63	33	71 74	79	171 74
34	75 56	80	177 78	34	74 73	80	175 82	34	73 91	80	173 91
35	77 78	81	180 00	35	76 92	81	178 02	35	76 09	81	176 09
36	80 00	82	182 22	36	79 12	82	180 22	36	78 26	82	178 26
37	82 22	83	184 44	37	81 32	83	182 42	37	80 43	83	180 43
38	84 44	84	186 67	38	83 52	84	184 62	38	82 61	84	182 61
39	86 67	85	188 89	39	85 71	85	186 81	39	84 78	85	184 78
40	88 89	86	191 11	40	87 91	86	189 01	40	86 96	86	186 96
41	91 11	87	193 33	41	90 11	87	191 21	41	89 13	87	189 13
42	93 33	88	195 56	42	92 31	88	193 41	42	91 30	88	191 30
43	95 56	89	197 78	43	94 51	89	195 60	43	93 48	89	193 48
44	97 78	90	200 00	44	96 70	90	197 80	44	95 65	90	195 65
45	100 00			45	98 90	91	200 00	45	97 83	91	197 83
46	102 22			46	101 10			46	100 00	92	200 00

TABLES OF KEEPERS' SALARIES.

\$760 PER ANNUM—\$190 PER QUARTER.

FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$2 11	47	\$99 22	1	\$2 09	47	\$98 13	1	\$2 07	47	\$97 07
2	4 22	48	101 33	2	4 18	48	100 22	2	4 13	48	99 13
3	6 33	49	103 44	3	6 26	49	102 31	3	6 20	49	101 20
4	8 44	50	105 56	4	8 35	50	104 40	4	8 26	50	103 26
5	10 56	51	107 67	5	10 44	51	106 48	5	10 33	51	105 33
6	12 67	52	109 78	6	12 53	52	108 57	6	12 39	52	107 39
7	14 78	53	111 89	7	14 62	53	110 66	7	14 46	53	109 46
8	16 89	54	114 00	8	16 70	54	112 75	8	16 52	54	111 52
9	19 00	55	116 11	9	18 79	55	114 84	9	18 59	55	113 59
10	21 11	56	118 22	10	20 88	56	116 92	10	20 65	56	115 65
11	23 22	57	120 33	11	22 97	57	119 01	11	22 72	57	117 72
12	25 33	58	122 44	12	25 05	58	121 10	12	24 78	58	119 78
13	27 44	59	124 56	13	27 14	59	123 19	13	26 85	59	121 85
14	29 56	60	126 67	14	29 23	60	125 27	14	28 91	60	123 91
15	31 67	61	128 78	15	31 32	61	127 36	15	30 98	61	125 98
16	33 78	62	130 89	16	33 41	62	129 45	16	33 04	62	128 04
17	35 89	63	133 00	17	35 49	63	131 54	17	35 11	63	130 11
18	38 00	64	135 11	18	37 58	64	133 63	18	37 17	64	132 17
19	40 11	65	137 22	19	39 67	65	135 71	19	39 24	65	134 24
20	42 22	66	139 33	20	41 76	66	137 80	20	41 30	66	136 30
21	44 33	67	141 44	21	43 85	67	139 89	21	43 37	67	138 37
22	46 44	68	143 56	22	45 93	68	141 98	22	45 43	68	140 43
23	48 56	69	145 67	23	48 02	69	144 07	23	47 50	69	142 50
24	50 67	70	147 78	24	50 11	70	146 15	24	49 57	70	144 57
25	52 78	71	149 89	25	52 20	71	148 24	25	51 63	71	146 63
26	54 89	72	152 00	26	54 29	72	150 33	26	53 70	72	148 70
27	57 00	73	154 11	27	56 37	73	152 42	27	55 76	73	150 76
28	59 11	74	156 22	28	58 46	74	154 51	28	57 83	74	152 83
29	61 22	75	158 33	29	60 55	75	156 59	29	59 89	75	154 89
30	63 33	76	160 44	30	62 64	76	158 68	30	61 96	76	156 96
31	65 44	77	162 56	31	64 73	77	160 77	31	64 02	77	159 02
32	67 56	78	164 67	32	66 81	78	162 86	32	66 09	78	161 09
33	69 67	79	166 78	33	68 90	79	164 95	33	68 15	79	163 15
34	71 78	80	168 89	34	70 99	80	167 03	34	70 22	80	165 22
35	73 89	81	171 00	35	73 08	81	169 12	35	72 28	81	167 28
36	76 00	82	173 11	36	75 16	82	171 21	36	74 35	82	169 35
37	78 11	83	175 22	37	77 25	83	173 30	37	76 41	83	171 41
38	80 22	84	177 33	38	79 34	84	175 38	38	78 48	84	173 48
39	82 33	85	179 44	39	81 43	85	177 47	39	80 54	85	175 54
40	84 44	86	181 56	40	83 52	86	179 56	40	82 61	86	177 61
41	86 56	87	183 67	41	85 60	87	181 65	41	84 67	87	179 67
42	88 67	88	185 78	42	87 69	88	183 74	42	86 74	88	181 74
43	90 78	89	187 89	43	89 78	89	185 82	43	88 80	89	183 80
44	92 89	90	190 00	44	91 87	90	187 91	44	90 87	90	185 87
45	95 00			45	93 96	91	190 00	45	92 93	91	187 93
46	97 11			46	96 04			46	95 00	92	190 00

TABLES OF KEEPERS' SALARIES.

\$750 PER ANNUM—\$187.50 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$2 08	47	\$97 92	1	\$2 06	47	\$96 84	1	\$2 04	47	\$95 79
2	4 17	48	100 00	2	4 12	48	98 90	2	4 08	48	97 83
3	6 25	49	102 08	3	6 18	49	100 96	3	6 11	49	99 86
4	8 33	50	104 17	4	8 24	50	103 02	4	8 15	50	101 90
5	10 42	51	106 25	5	10 30	51	105 08	5	10 19	51	103 94
6	12 50	52	108 33	6	12 36	52	107 14	6	12 23	52	105 98
7	14 58	53	110 42	7	14 42	53	109 20	7	14 27	53	108 02
8	16 67	54	112 50	8	16 48	54	111 26	8	16 30	54	110 05
9	18 75	55	114 58	9	18 54	55	113 32	9	18 34	55	112 09
10	20 83	56	116 67	10	20 60	56	115 38	10	20 38	56	114 13
11	22 92	57	118 75	11	22 66	57	117 45	11	22 42	57	116 17
12	25 00	58	120 83	12	24 73	58	119 51	12	24 46	58	118 21
13	27 08	59	122 92	13	26 79	59	121 57	13	26 49	59	120 24
14	29 17	60	125 00	14	28 85	60	123 63	14	28 53	60	122 28
15	31 25	61	127 08	15	30 91	61	125 69	15	30 57	61	124 32
16	33 33	62	129 17	16	32 97	62	127 75	16	32 61	62	126 36
17	35 42	63	131 25	17	35 03	63	129 81	17	34 65	63	128 40
18	37 50	64	133 33	18	37 09	64	131 87	18	36 68	64	130 43
19	39 58	65	135 42	19	39 15	65	133 93	19	38 72	65	132 47
20	41 67	66	137 50	20	41 21	66	135 99	20	40 76	66	134 51
21	43 75	67	139 58	21	43 27	67	138 05	21	42 80	67	136 55
22	45 83	68	141 67	22	45 33	68	140 11	22	44 84	68	138 59
23	47 92	69	143 75	23	47 39	69	142 17	23	46 88	69	140 63
24	50 00	70	145 83	24	49 45	70	144 23	24	48 91	70	142 66
25	52 08	71	147 92	25	51 51	71	146 29	25	50 95	71	144 70
26	54 17	72	150 00	26	53 57	72	148 35	26	52 99	72	146 74
27	56 25	73	152 08	27	55 63	73	150 41	27	55 03	73	148 78
28	58 33	74	154 17	28	57 69	74	152 47	28	57 07	74	150 82
29	60 42	75	156 25	29	59 75	75	154 53	29	59 10	75	152 85
30	62 50	76	158 33	30	61 81	76	156 59	30	61 14	76	154 89
31	64 58	77	160 42	31	63 87	77	158 65	31	63 18	77	156 93
32	66 67	78	162 50	32	65 93	78	160 71	32	65 22	78	158 97
33	68 75	79	164 58	33	67 99	79	162 77	33	67 26	79	161 01
34	70 83	80	166 67	34	70 05	80	164 84	34	69 29	80	163 04
35	72 92	81	168 75	35	72 12	81	166 90	35	71 33	81	165 08
36	75 00	82	170 83	36	74 18	82	168 96	36	73 37	82	167 12
37	77 08	83	172 92	37	76 24	83	171 02	37	75 41	83	169 16
38	79 17	84	175 00	38	78 30	84	173 08	38	77 45	84	171 20
39	81 25	85	177 08	39	80 36	85	175 14	39	79 48	85	173 23
40	83 33	86	179 17	40	82 42	86	177 20	40	81 52	86	175 27
41	85 42	87	181 25	41	84 48	87	179 26	41	83 56	87	177 31
42	87 50	88	183 33	42	86 54	88	181 32	42	85 60	88	179 35
43	89 58	89	185 42	43	88 60	89	183 38	43	87 64	89	181 39
44	91 67	90	187 50	44	90 66	90	185 44	44	89 67	90	183 42
45	93 75			45	92 72	91	187 50	45	91 71	91	185 46
46	95 83			46	94 78			46	93 75	92	187 50

TABLES OF KEEPERS' SALARIES.

\$740 PER ANNUM—\$185 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$2 06	47	\$96 61	1	\$2 03	47	\$95 55	1	\$2 01	47	\$94 51
2	4 11	48	98 67	2	4 07	48	97 58	2	4 02	48	96 52
3	6 17	49	100 72	3	6 10	49	99 61	3	6 03	49	98 53
4	8 22	50	102 78	4	8 13	50	101 65	4	8 04	50	100 54
5	10 28	51	104 83	5	10 16	51	103 68	5	10 05	51	102 55
6	12 33	52	106 89	6	12 20	52	105 71	6	12 07	52	104 57
7	14 39	53	108 94	7	14 23	53	107 75	7	14 08	53	106 58
8	16 44	54	111 00	8	16 26	54	109 78	8	16 09	54	108 59
9	18 50	55	113 06	9	18 30	55	111 81	9	18 10	55	110 60
10	20 56	56	115 11	10	20 33	56	113 85	10	20 11	56	112 61
11	22 61	57	117 17	11	22 36	57	115 88	11	22 12	57	114 62
12	24 67	58	119 22	12	24 40	58	117 91	12	24 13	58	116 63
13	26 72	59	121 28	13	26 43	59	119 94	13	26 14	59	118 64
14	28 78	60	123 33	14	28 46	60	121 98	14	28 15	60	120 65
15	30 83	61	125 39	15	30 49	61	124 01	15	30 16	61	122 66
16	32 89	62	127 44	16	32 53	62	126 04	16	32 17	62	124 67
17	34 94	63	129 50	17	34 56	63	128 08	17	34 18	63	126 68
18	37 00	64	131 56	18	36 59	64	130 11	18	36 20	64	128 70
19	39 06	65	133 61	19	38 63	65	132 14	19	38 21	65	130 71
20	41 11	66	135 67	20	40 66	66	134 18	20	40 22	66	132 72
21	43 17	67	137 72	21	42 69	67	136 21	21	42 23	67	134 73
22	45 22	68	139 78	22	44 73	68	138 24	22	44 24	68	136 74
23	47 28	69	141 83	23	46 76	69	140 27	23	46 25	69	138 75
24	49 33	70	143 89	24	48 79	70	142 31	24	48 26	70	140 76
25	51 39	71	145 94	25	50 82	71	144 34	25	50 27	71	142 77
26	53 44	72	148 00	26	52 86	72	146 37	26	52 28	72	144 78
27	55 50	73	150 06	27	54 89	73	148 41	27	54 29	73	146 79
28	57 56	74	152 11	28	56 92	74	150 44	28	56 30	74	148 80
29	59 61	75	154 17	29	58 96	75	152 47	29	58 32	75	150 82
30	61 67	76	156 22	30	60 99	76	154 51	30	60 33	76	152 83
31	63 72	77	158 28	31	63 02	77	156 54	31	62 34	77	154 84
32	65 78	78	160 33	32	65 05	78	158 57	32	64 35	78	156 85
33	67 83	79	162 39	33	67 09	79	160 60	33	66 36	79	158 86
34	69 89	80	164 44	34	69 12	80	162 64	34	68 37	80	160 87
35	71 94	81	166 50	35	71 15	81	164 67	35	70 38	81	162 88
36	74 00	82	168 56	36	73 19	82	166 70	36	72 39	82	164 89
37	76 06	83	170 61	37	75 22	83	168 74	37	74 40	83	166 90
38	78 11	84	172 67	38	77 25	84	170 77	38	76 41	84	168 91
39	80 17	85	174 72	39	79 29	85	172 80	39	78 42	85	170 92
40	82 22	86	176 78	40	81 32	86	174 83	40	80 43	86	172 93
41	84 28	87	178 83	41	83 35	87	176 87	41	82 45	87	174 95
42	86 33	88	180 89	42	85 38	88	178 90	42	84 46	88	176 96
43	88 39	89	182 94	43	87 42	89	180 93	43	86 47	89	178 97
44	90 44	90	185 00	44	89 45	90	182 97	44	88 48	90	180 98
45	92 50			45	91 48	91	185 00	45	90 49	91	182 99
46	94 56			46	93 52			46	92 50	92	185 00

TABLES OF KEEPERS' SALARIES.

\$720 PER ANNUM—\$180 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$2 00	47	\$94 00	1	\$1 98	47	\$92 97	1	\$1 96	47	\$91 96
2	4 00	48	96 00	2	3 96	48	94 95	2	3 91	48	93 91
3	6 00	49	98 00	3	5 93	49	96 92	3	5 87	49	95 87
4	8 00	50	100 00	4	7 91	50	98 90	4	7 83	50	97 83
5	10 00	51	102 00	5	9 89	51	100 88	5	9 78	51	99 78
6	12 00	52	104 00	6	11 87	52	102 86	6	11 74	52	101 74
7	14 00	53	106 00	7	13 85	53	104 84	7	13 70	53	103 70
8	16 00	54	108 00	8	15 82	54	106 81	8	15 65	54	105 65
9	18 00	55	110 00	9	17 80	55	108 79	9	17 61	55	107 61
10	20 00	56	112 00	10	19 78	56	110 77	10	19 57	56	109 57
11	22 00	57	114 00	11	21 76	57	112 75	11	21 52	57	111 52
12	24 00	58	116 00	12	23 74	58	114 73	12	23 48	58	113 48
13	26 00	59	118 00	13	25 71	59	116 70	13	25 43	59	115 43
14	28 00	60	120 00	14	27 69	60	118 68	14	27 39	60	117 39
15	30 00	61	122 00	15	29 67	61	120 66	15	29 35	61	119 35
16	32 00	62	124 00	16	31 65	62	122 64	16	31 30	62	121 30
17	34 00	63	126 00	17	33 63	63	124 62	17	33 26	63	123 26
18	36 00	64	128 00	18	35 60	64	126 59	18	35 22	64	125 22
19	38 00	65	130 00	19	37 58	65	128 57	19	37 17	65	127 17
20	40 00	66	132 00	20	39 56	66	130 55	20	39 13	66	129 13
21	42 00	67	134 00	21	41 54	67	132 53	21	41 09	67	131 09
22	44 00	68	136 00	22	43 52	68	134 51	22	43 04	68	133 04
23	46 00	69	138 00	23	45 49	69	136 48	23	45 00	69	135 00
24	48 00	70	140 00	24	47 47	70	138 46	24	46 96	70	136 96
25	50 00	71	142 00	25	49 45	71	140 44	25	48 91	71	138 91
26	52 00	72	144 00	26	51 43	72	142 42	26	50 87	72	140 87
27	54 00	73	146 00	27	53 41	73	144 40	27	52 83	73	142 83
28	56 00	74	148 00	28	55 38	74	146 37	28	54 78	74	144 78
29	58 00	75	150 00	29	57 36	75	148 35	29	56 74	75	146 74
30	60 00	76	152 00	30	59 34	76	150 33	30	58 70	76	148 70
31	62 00	77	154 00	31	61 32	77	152 31	31	60 65	77	150 65
32	64 00	78	156 00	32	63 30	78	154 29	32	62 61	78	152 61
33	66 00	79	158 00	33	65 27	79	156 26	33	64 57	79	154 57
34	68 00	80	160 00	34	67 25	80	158 24	34	66 52	80	156 52
35	70 00	81	162 00	35	69 23	81	160 22	35	68 48	81	158 48
36	72 00	82	164 00	36	71 21	82	162 20	36	70 43	82	160 43
37	74 00	83	166 00	37	73 19	83	164 18	37	72 39	83	162 39
38	76 00	84	168 00	38	75 16	84	166 15	38	74 35	84	164 35
39	78 00	85	170 00	39	77 14	85	168 13	39	76 30	85	166 30
40	80 00	86	172 00	40	79 12	86	170 11	40	78 26	86	168 26
41	82 00	87	174 00	41	81 10	87	172 09	41	80 22	87	170 22
42	84 00	88	176 00	42	83 08	88	174 07	42	82 17	88	172 17
43	86 00	89	178 00	43	85 05	89	176 04	43	84 13	89	174 13
44	88 00	90	180 00	44	87 03	90	178 02	44	86 09	90	176 09
45	90 00			45	89 01	91	180 00	45	88 04	91	178 04
46	92 00			46	90 99			46	90 00	92	180 00

TABLES OF KEEPERS' SALARIES.

\$700 PER ANNUM—\$175 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 94	47	\$91 39	1	\$1 92	47	\$90 38	1	\$1 90	47	\$89 40
2	3 89	48	93 33	2	3 85	48	92 31	2	3 80	48	91 30
3	5 83	49	95 28	3	5 77	49	94 23	3	5 71	49	93 21
4	7 78	50	97 22	4	7 69	50	96 15	4	7 61	50	95 11
5	9 72	51	99 17	5	9 62	51	98 08	5	9 51	51	97 01
6	11 67	52	101 11	6	11 54	52	100 00	6	11 41	52	98 91
7	13 61	53	103 06	7	13 46	53	101 92	7	13 32	53	100 82
8	15 56	54	105 00	8	15 38	54	103 85	8	15 22	54	102 72
9	17 50	55	106 94	9	17 31	55	105 77	9	17 12	55	104 62
10	19 44	56	108 89	10	19 23	56	107 69	10	19 02	56	106 52
11	21 39	57	110 83	11	21 15	57	109 62	11	20 92	57	108 42
12	23 33	58	112 78	12	23 08	58	111 54	12	22 83	58	110 33
13	25 28	59	114 72	13	25 00	59	113 46	13	24 73	59	112 23
14	27 22	60	116 67	14	26 92	60	115 38	14	26 63	60	114 13
15	29 17	61	118 61	15	28 85	61	117 31	15	28 53	61	116 03
16	31 11	62	120 56	16	30 77	62	119 23	16	30 43	62	117 93
17	33 06	63	122 50	17	32 69	63	121 15	17	32 34	63	119 84
18	35 00	64	124 44	18	34 62	64	123 08	18	34 24	64	121 74
19	36 94	65	126 39	19	36 54	65	125 00	19	36 14	65	123 64
20	38 89	66	128 33	20	38 46	66	126 92	20	38 04	66	125 54
21	40 83	67	130 28	21	40 38	67	128 85	21	39 95	67	127 45
22	42 78	68	132 22	22	42 31	68	130 77	22	41 85	68	129 35
23	44 72	69	134 17	23	44 23	69	132 69	23	43 75	69	131 25
24	46 67	70	136 11	24	46 15	70	134 62	24	45 65	70	133 15
25	48 61	71	138 06	25	48 08	71	136 54	25	47 55	71	135 05
26	50 56	72	140 00	26	50 00	72	138 46	26	49 46	72	136 96
27	52 50	73	141 94	27	51 92	73	140 38	27	51 36	73	138 86
28	54 44	74	143 89	28	53 85	74	142 31	28	53 26	74	140 76
29	56 39	75	145 83	29	55 77	75	144 23	29	55 16	75	142 66
30	58 33	76	147 78	30	57 69	76	146 15	30	57 07	76	144 57
31	60 28	77	149 72	31	59 62	77	148 08	31	58 97	77	146 47
32	62 22	78	151 67	32	61 54	78	150 00	32	60 87	78	148 37
33	64 17	79	153 61	33	63 46	79	151 92	33	62 77	79	150 27
34	66 11	80	155 56	34	65 38	80	153 85	34	64 67	80	152 17
35	68 06	81	157 50	35	67 31	81	155 77	35	66 58	81	154 08
36	70 00	82	159 44	36	69 23	82	157 69	36	68 48	82	155 98
37	71 94	83	161 39	37	71 15	83	159 62	37	70 38	83	157 88
38	73 89	84	163 33	38	73 08	84	161 54	38	72 28	84	159 78
39	75 83	85	165 28	39	75 00	85	163 46	39	74 18	85	161 68
40	77 78	86	167 22	40	76 92	86	165 38	40	76 09	86	163 59
41	79 72	87	169 17	41	78 85	87	167 31	41	77 99	87	165 49
42	81 67	88	171 11	42	80 77	88	169 23	42	79 89	88	167 39
43	83 61	89	173 06	43	82 69	89	171 15	43	81 79	89	169 29
44	85 56	90	175 00	44	84 62	90	173 08	44	83 70	90	171 20
45	87 50			45	86 54	91	175 00	45	85 60	91	173 10
46	89 44			46	88 46			46	87 50	92	175 00

TABLES OF KEEPERS' SALARIES.

.\$680 PER ANNUM—\$170 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 89	47	\$88 78	1	\$1 87	47	\$87 80	1	\$1 85	47	\$86 85
2	3 78	48	80 67	2	3 74	48	89 67	2	3 70	48	88 70
3	5 67	49	92 56	3	5 60	49	91 54	3	5 54	49	90 54
4	7 56	50	94 44	4	7 47	50	93 41	4	7 39	50	92 39
5	9 44	51	96 33	5	9 34	51	95 27	5	9 24	51	94 24
6	11 33	52	98 22	6	11 21	52	97 14	6	11 09	52	96 09
7	13 22	53	100 11	7	13 08	53	99 01	7	12 93	53	97 93
8	15 11	54	102 00	8	14 95	54	100 88	8	14 78	54	99 78
9	17 00	55	103 89	9	16 81	55	102 75	9	16 63	55	101 63
10	18 89	56	105 78	10	18 68	56	104 62	10	18 48	56	103 48
11	20 78	57	107 67	11	20 55	57	106 48	11	20 33	57	105 33
12	22 67	58	109 56	12	22 42	58	108 35	12	22 17	58	107 17
13	24 56	59	111 44	13	24 29	59	110 22	13	24 02	59	109 02
14	26 44	60	113 33	14	26 15	60	112 09	14	25 87	60	110 87
15	28 33	61	115 22	15	28 02	61	113 96	15	27 72	61	112 72
16	30 22	62	117 11	16	29 89	62	115 82	16	29 57	62	114 57
17	32 11	63	119 00	17	31 76	63	117 69	17	31 41	63	116 41
18	34 00	64	120 89	18	33 63	64	119 56	18	33 26	64	118 26
19	35 89	65	122 78	19	35 50	65	121 43	19	35 11	65	120 11
20	37 78	66	124 67	20	37 36	66	123 30	20	36 96	66	121 96
21	39 67	67	126 56	21	39 23	67	125 17	21	38 80	67	123 80
22	41 56	68	128 44	22	41 10	68	127 03	22	40 65	68	125 65
23	43 44	69	130 33	23	42 97	69	128 90	23	42 50	69	127 50
24	45 33	70	132 22	24	44 84	70	130 77	24	44 35	70	129 35
25	47 22	71	134 11	25	46 70	71	132 64	25	46 20	71	131 20
26	49 11	72	136 00	26	48 57	72	134 51	26	48 04	72	133 04
27	51 00	73	137 89	27	50 44	73	136 38	27	49 89	73	134 89
28	52 89	74	139 78	28	52 31	74	138 24	28	51 74	74	136 74
29	54 78	75	141 67	29	54 18	75	140 11	29	53 59	75	138 59
30	56 67	76	143 56	30	56 04	76	141 98	30	55 43	76	140 43
31	58 56	77	145 44	31	57 91	77	143 85	31	57 28	77	142 28
32	60 44	78	147 33	32	59 78	78	145 72	32	59 13	78	144 13
33	62 33	79	149 22	33	61 65	79	147 58	33	60 98	79	145 98
34	64 22	80	151 11	34	63 52	80	149 45	34	62 83	80	147 83
35	66 11	81	153 00	35	65 38	81	151 32	35	64 67	81	149 67
36	68 00	82	154 89	36	67 25	82	153 19	36	66 52	82	151 52
37	69 89	83	156 78	37	69 12	83	155 06	37	68 37	83	153 37
38	71 78	84	158 67	38	70 99	84	156 92	38	70 22	84	155 22
39	73 67	85	160 56	39	72 86	85	158 79	39	72 06	85	157 06
40	75 56	86	162 44	40	74 73	86	160 66	40	73 91	86	158 91
41	77 44	87	164 33	41	76 59	87	162 53	41	75 76	87	160 76
42	79 33	88	166 22	42	78 46	88	164 40	42	77 61	88	162 61
43	81 22	89	168 11	43	80 33	89	166 27	43	79 46	89	164 46
44	83 11	90	170 00	44	82 20	90	168 13	44	81 30	90	166 30
45	85 00			45	84 07	91	170 00	45	83 15	91	168 15
46	86 89			46	85 93			46	85 00	92	170 00

TABLES OF KEEPERS' SALARIES.

\$675 PER ANNUM—\$168.75 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 87	47	\$88 12	1	\$1 85	47	\$87 16	1	\$1 83	47	\$86 21
2	3 75	48	90 00	2	3 71	48	89 01	2	3 67	48	88 04
3	5 62	49	91 87	3	5 56	49	90 87	3	5 50	49	89 88
4	7 50	50	93 75	4	7 42	50	92 72	4	7 34	50	91 71
5	9 37	51	95 62	5	9 27	51	94 57	5	9 17	51	93 55
6	11 25	52	97 50	6	11 13	52	96 43	6	11 01	52	95 38
7	13 12	53	99 37	7	12 98	53	98 28	7	12 84	53	97 21
8	15 00	54	101 25	8	14 84	54	100 14	8	14 67	54	99 05
9	16 87	55	103 12	9	16 69	55	101 99	9	16 51	55	100 88
10	18 75	56	105 00	10	18 54	56	103 85	10	18 34	56	102 72
11	20 62	57	106 87	11	20 40	57	105 70	11	20 18	57	104 55
12	22 50	58	108 75	12	22 25	58	107 55	12	22 01	58	106 39
13	24 37	59	110 62	13	24 11	59	109 41	13	23 85	59	108 22
14	26 25	60	112 50	14	25 96	60	111 26	14	25 68	60	110 05
15	28 12	61	114 37	15	27 82	61	113 12	15	27 51	61	111 89
16	30 00	62	116 25	16	29 68	62	114 97	16	29 35	62	113 72
17	31 87	63	118 12	17	31 52	63	116 83	17	31 18	63	115 56
18	33 75	64	120 00	18	33 38	64	118 68	18	33 02	64	117 39
19	35 62	65	121 87	19	35 24	65	120 54	19	34 85	65	119 23
20	37 50	66	123 75	20	37 09	66	122 39	20	36 68	66	121 06
21	39 37	67	125 62	21	38 94	67	124 24	21	38 52	67	122 89
22	41 25	68	127 50	22	40 80	68	126 10	22	40 35	68	124 73
23	43 12	69	129 37	23	42 65	69	127 95	23	42 19	69	126 56
24	45 00	70	131 25	24	44 51	70	129 81	24	44 02	70	128 40
25	46 87	71	133 12	25	46 36	71	131 66	25	45 86	71	130 23
26	48 75	72	135 00	26	48 21	72	133 52	26	47 69	72	132 07
27	50 62	73	136 87	27	50 07	73	135 37	27	49 52	73	133 90
28	52 50	74	138 75	28	51 92	74	137 22	28	51 36	74	135 73
29	54 37	75	140 62	29	53 78	75	139 08	29	53 19	75	137 57
30	56 25	76	142 50	30	55 63	76	140 93	30	55 03	76	139 40
31	58 12	77	144 37	31	57 49	77	142 79	31	56 86	77	141 24
32	60 00	78	146 25	32	59 34	78	144 64	32	58 70	78	143 07
33	61 87	79	148 12	33	61 19	79	146 50	33	60 53	79	144 90
34	63 75	80	150 00	34	63 05	80	148 35	34	62 36	80	146 74
35	65 62	81	151 87	35	64 90	81	150 21	35	64 20	81	148 57
36	67 50	82	153 75	36	66 76	82	152 06	36	66 03	82	150 41
37	69 37	83	155 62	37	68 61	83	153 91	37	67 87	83	152 24
38	71 25	84	157 50	38	70 47	84	155 77	38	69 70	84	154 08
39	73 12	85	159 37	39	72 32	85	157 62	39	71 54	85	155 91
40	75 00	86	161 25	40	74 18	86	159 48	40	73 37	86	157 74
41	76 87	87	163 12	41	76 03	87	161 33	41	75 20	87	159 58
42	78 75	88	165 00	42	77 88	88	163 19	42	77 04	88	161 41
43	80 62	89	166 87	43	79 74	89	165 04	43	78 87	89	163 25
44	82 50	90	168 75	44	81 59	90	166 90	44	80 71	90	165 08
45	84 37			45	83 45	91	168 75	45	82 54	91	166 92
46	86 25			46	85 30			46	84 37	92	168 75

TABLES OF KEEPERS' SALARIES.

\$660 PER ANNUM—\$165 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 83	47	\$86 17	1	\$1 81	47	\$85 22	1	\$1 79	47	\$84 29
2	3 67	48	88 00	2	3 63	48	87 03	2	3 59	48	86 09
3	5 50	49	89 83	3	5 44	49	88 85	3	5 38	49	87 88
4	7 33	50	91 67	4	7 25	50	90 66	4	7 17	50	89 67
5	9 17	51	93 50	5	9 07	51	92 47	5	8 97	51	91 47
6	11 00	52	95 33	6	10 88	52	94 29	6	10 76	52	93 26
7	12 83	53	97 17	7	12 69	53	96 10	7	12 55	53	95 05
8	14 67	54	99 00	8	14 51	54	97 91	8	14 35	54	96 85
9	16 50	55	100 83	9	16 32	55	99 73	9	16 14	55	98 64
10	18 33	56	102 67	10	18 13	56	101 54	10	17 93	56	100 43
11	20 17	57	104 50	11	19 95	57	103 35	11	19 73	57	102 23
12	22 00	58	106 33	12	21 76	58	105 16	12	21 52	58	104 02
13	23 83	59	108 17	13	23 57	59	106 98	13	23 32	59	105 82
14	25 67	60	110 00	14	25 38	60	108 79	14	25 11	60	107 61
15	27 50	61	111 83	15	27 20	61	110 60	15	26 90	61	109 40
16	29 33	62	113 67	16	29 01	62	112 42	16	28 70	62	111 20
17	31 17	63	115 50	17	30 82	63	114 23	17	30 49	63	112 99
18	33 00	64	117 33	18	32 64	64	116 04	18	32 28	64	114 78
19	34 83	65	119 17	19	34 45	65	117 86	19	34 08	65	116 58
20	36 67	66	121 00	20	36 26	66	119 67	20	35 87	66	118 37
21	38 50	67	122 83	21	38 08	67	121 48	21	37 66	67	120 16
22	40 33	68	124 67	22	39 89	68	123 30	22	39 46	68	121 96
23	42 17	69	126 50	23	41 70	69	125 11	23	41 25	69	123 75
24	44 00	70	128 33	24	43 52	70	126 92	24	43 04	70	125 54
25	45 83	71	130 17	25	45 33	71	128 74	25	44 84	71	127 34
26	47 67	72	132 00	26	47 14	72	130 55	26	46 63	72	129 13
27	49 50	73	133 83	27	48 96	73	132 36	27	48 42	73	130 92
28	51 33	74	135 67	28	50 77	74	134 18	28	50 22	74	132 72
29	53 17	75	137 50	29	52 58	75	135 99	29	52 01	75	134 51
30	55 00	76	139 33	30	54 40	76	137 80	30	53 80	76	136 30
31	56 83	77	141 17	31	56 21	77	139 62	31	55 60	77	138 10
32	58 67	78	143 00	32	58 02	78	141 43	32	57 39	78	139 89
33	60 50	79	144 83	33	59 84	79	143 24	33	59 18	79	141 68
34	62 33	80	146 67	34	61 65	80	145 05	34	60 98	80	143 48
35	64 17	81	148 50	35	63 46	81	146 87	35	62 77	81	145 27
36	66 00	82	150 33	36	65 27	82	148 68	36	64 57	82	147 07
37	67 83	83	152 17	37	67 09	83	150 49	37	66 36	83	148 86
38	69 67	84	154 00	38	68 90	84	152 31	38	68 15	84	150 65
39	71 50	85	155 83	39	70 71	85	154 12	39	69 95	85	152 45
40	73 33	86	157 67	40	72 53	86	155 93	40	71 74	86	154 24
41	75 17	87	159 50	41	74 34	87	157 75	41	73 53	87	156 03
42	77 00	88	161 33	42	76 15	88	159 56	42	75 33	88	157 83
43	78 83	89	163 17	43	77 97	89	161 37	43	77 12	89	159 62
44	80 67	90	165 00	44	79 78	90	163 19	44	78 91	90	161 41
45	82 50			45	81 59	91	165 00	45	80 71	91	163 21
46	84 33			46	83 41			46	82 50	92	165 00

TABLES OF KEEPERS' SALARIES.

\$650 PER ANNUM—\$162.50 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 81	47	\$84 86	1	\$1 79	47	\$83 93	1	\$1 77	47	\$83 02
2	3 61	48	86 67	2	3 57	48	85 71	2	3 53	48	84 78
3	5 42	49	88 47	3	5 36	49	87 50	3	5 30	49	86 55
4	7 22	50	90 28	4	7 14	50	89 29	4	7 07	50	88 32
5	9 03	51	92 08	5	8 93	51	91 07	5	8 83	51	90 08
6	10 83	52	93 89	6	10 71	52	92 86	6	10 60	52	91 85
7	12 64	53	95 69	7	12 50	53	94 64	7	12 36	53	93 61
8	14 44	54	97 50	8	14 29	54	96 43	8	14 13	54	95 38
9	16 25	55	99 31	9	16 07	55	98 21	9	15 90	55	97 15
10	18 06	56	101 11	10	17 86	56	100 00	10	17 66	56	98 91
11	19 86	57	102 92	11	19 64	57	101 79	11	19 43	57	100 68
12	21 67	58	104 72	12	21 43	58	103 57	12	21 20	58	102 45
13	23 47	59	106 53	13	23 21	59	105 36	13	22 96	59	104 21
14	25 28	60	108 33	14	25 00	60	107 14	14	24 73	60	105 98
15	27 08	61	110 14	15	26 79	61	108 93	15	26 49	61	107 74
16	28 89	62	111 94	16	28 57	62	110 71	16	28 26	62	109 51
17	30 69	63	113 75	17	30 36	63	112 50	17	30 03	63	111 28
18	32 50	64	115 56	18	32 14	64	114 29	18	31 79	64	113 04
19	34 31	65	117 36	19	33 93	65	116 07	19	33 56	65	114 81
20	36 11	66	119 17	20	35 71	66	117 86	20	35 33	66	116 58
21	37 92	67	120 97	21	37 50	67	119 64	21	37 09	67	118 34
22	39 72	68	122 78	22	39 29	68	121 43	22	38 86	68	120 11
23	41 53	69	124 58	23	41 07	69	123 21	23	40 62	69	121 87
24	43 33	70	126 39	24	42 86	70	125 00	24	42 39	70	123 64
25	45 14	71	128 19	25	44 64	71	126 79	25	44 16	71	125 41
26	46 94	72	130 00	26	46 43	72	128 57	26	45 92	72	127 17
27	48 75	73	131 81	27	48 21	73	130 36	27	47 69	73	128 94
28	50 56	74	133 61	28	50 00	74	132 14	28	49 46	74	130 71
29	52 36	75	135 42	29	51 79	75	133 93	29	51 22	75	132 47
30	54 17	76	137 22	30	53 57	76	135 71	30	52 99	76	134 24
31	55 97	77	139 03	31	55 36	77	137 50	31	54 76	77	136 01
32	57 78	78	140 83	32	57 14	78	139 29	32	56 52	78	137 77
33	59 58	79	142 64	33	58 93	79	141 07	33	58 29	79	139 54
34	61 39	80	144 44	34	60 71	80	142 86	34	60 05	80	141 30
35	63 19	81	146 25	35	62 50	81	144 64	35	61 82	81	143 07
36	65 00	82	148 06	36	64 29	82	146 43	36	63 59	82	144 84
37	66 81	83	149 86	37	66 07	83	148 21	37	65 35	83	146 60
38	68 61	84	151 67	38	67 86	84	150 00	38	67 12	84	148 37
39	70 42	85	153 47	39	69 64	85	151 79	39	68 89	85	150 14
40	72 22	86	155 28	40	71 43	86	153 57	40	70 65	86	151 90
41	74 03	87	157 08	41	73 21	87	155 36	41	72 42	87	153 67
42	75 83	88	158 89	42	75 00	88	157 14	42	74 18	88	155 43
43	77 64	89	160 69	43	76 79	89	158 93	43	75 95	89	157 20
44	79 44	90	162 50	44	78 57	90	160 71	44	77 72	90	158 97
45	81 25			45	80 36	91	162 50	45	79 48	91	160 73
46	83 06			46	82 14			46	81 25	92	162 50

TABLES OF KEEPERS' SALARIES.

\$640 PER ANNUM—\$160 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 78	47	\$83 56	1	\$1 76	47	\$82 64	1	\$1 74	47	\$81 74
2	3 56	48	85 33	2	3 52	48	84 40	2	3 48	48	83 48
3	5 33	49	87 11	3	5 27	49	86 15	3	5 22	49	85 22
4	7 11	50	88 89	4	7 03	50	87 91	4	6 96	50	86 96
5	8 89	51	90 67	5	8 79	51	89 67	5	8 70	51	88 70
6	10 67	52	92 44	6	10 55	52	91 43	6	10 43	52	90 43
7	12 44	53	94 22	7	12 31	53	93 19	7	12 17	53	92 17
8	14 22	54	96 00	8	14 07	54	94 95	8	13 91	54	93 91
9	16 00	55	97 78	8	15 82	55	96 70	9	15 65	55	95 65
10	17 78	56	99 56	10	17 58	56	98 46	10	17 39	56	97 39
11	19 56	57	101 33	11	19 34	57	100 22	11	19 13	57	99 13
12	21 33	58	103 11	12	21 10	58	101 98	12	20 87	58	100 87
13	23 11	59	104 89	13	22 86	59	103 74	13	22 61	59	102 61
14	24 89	60	106 67	14	24 62	60	105 49	14	24 35	60	104 35
15	26 67	61	108 44	15	26 37	61	107 25	15	26 09	61	106 09
16	28 44	62	110 22	16	28 13	62	109 01	16	27 83	62	107 83
17	30 22	63	112 00	17	29 89	63	110 77	17	29 57	63	109 57
18	32 00	64	113 78	18	31 65	64	112 53	18	31 30	64	111 30
19	33 78	65	115 56	19	33 41	65	114 29	19	33 04	65	113 04
20	35 56	66	117 33	20	35 16	66	116 04	20	34 78	66	114 78
21	37 33	67	119 11	21	36 92	67	117 80	21	36 52	67	116 52
22	39 11	68	120 89	22	38 68	68	119 56	22	38 26	68	118 26
23	40 89	69	122 67	23	40 44	69	121 32	23	40 00	69	120 00
24	42 67	70	124 44	24	42 20	70	123 08	24	41 74	70	121 74
25	44 44	71	126 22	25	43 96	71	124 84	25	43 48	71	123 48
26	46 22	72	128 00	26	45 71	72	126 59	26	45 22	72	125 22
27	48 00	73	129 78	27	47 47	73	128 35	27	46 96	73	126 96
28	49 78	74	131 56	28	49 23	74	130 11	28	48 70	74	128 70
29	51 56	75	133 33	29	50 99	75	131 87	29	50 43	75	130 43
30	53 33	76	135 11	30	52 75	76	133 63	30	52 17	76	132 17
31	55 11	77	136 89	31	54 51	77	135 38	31	53 91	77	133 91
32	56 89	78	138 67	32	56 26	78	137 14	32	55 65	78	135 65
33	58 67	79	140 44	33	58 02	79	138 90	33	57 39	79	137 39
34	60 44	80	142 22	34	59 78	80	140 66	34	59 13	80	139 13
35	62 22	81	144 00	35	61 54	81	142 42	35	60 87	81	140 87
36	64 00	82	145 78	36	63 30	82	144 18	36	62 61	82	142 61
37	65 78	83	147 56	37	65 05	83	145 93	37	64 35	83	144 35
38	67 56	84	149 33	38	66 81	84	147 69	38	66 09	84	146 09
39	69 33	85	151 11	39	68 57	85	149 45	39	67 83	85	147 83
40	71 11	86	152 89	40	70 33	86	151 21	40	69 57	86	149 57
41	72 89	87	154 67	41	72 09	87	152 97	41	71 30	87	151 30
42	74 67	88	156 44	42	73 85	88	154 73	42	73 04	88	153 04
43	76 44	89	158 22	43	75 60	89	156 48	43	74 78	89	154 78
44	78 22	90	160 00	44	77 36	90	158 24	44	76 52	90	156 52
45	80 00			45	79 12	91	160 00	45	78 26	91	158 26
46	81 78			46	80 88			46	80 00	92	160 00

TABLES OF KEEPERS' SALARIES.

\$630 PER ANNUM—\$157.50 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 75	47	\$82 25	1	\$1 73	47	\$81 35	1	\$1 71	47	\$80 46
2	3 50	48	84 00	2	3 46	48	83 08	2	3 42	48	82 17
3	5 25	49	85 75	3	5 19	49	84 81	3	5 14	49	83 89
4	7 00	50	87 50	4	6 92	50	86 54	4	6 85	50	85 60
5	8 75	51	89 25	5	8 65	51	88 27	5	8 56	51	87 31
6	10 50	52	91 00	6	10 38	52	90 00	6	10 27	52	89 02
7	12 25	53	92 75	7	12 12	53	91 73	7	11 98	53	90 73
8	14 00	54	94 50	8	13 85	54	93 46	8	13 70	54	92 45
9	15 75	55	96 25	9	15 58	55	95 19	9	15 41	55	94 16
10	17 50	56	98 00	10	17 31	56	96 92	10	17 12	56	95 87
11	19 25	57	99 75	11	19 04	57	98 65	11	18 83	57	97 58
12	21 00	58	101 50	12	20 77	58	100 38	12	20 54	58	99 29
13	22 75	59	103 25	13	22 50	59	102 12	13	22 26	59	101 01
14	24 50	60	105 00	14	24 23	60	103 85	14	23 97	60	102 72
15	26 25	61	106 75	15	25 96	61	105 58	15	25 68	61	104 43
16	28 00	62	108 50	16	27 69	62	107 31	16	27 39	62	106 14
17	29 75	63	110 25	17	29 42	63	109 04	17	29 10	63	107 85
18	31 50	64	112 00	18	31 15	64	110 77	18	30 82	64	109 57
19	33 25	65	113 75	19	32 88	65	112 50	19	32 53	65	111 28
20	35 00	66	115 50	20	34 62	66	114 23	20	34 24	66	112 99
21	36 75	67	117 25	21	36 35	67	115 96	21	35 95	67	114 70
22	38 50	68	119 00	22	38 08	68	117 69	22	37 66	68	116 41
23	40 25	69	120 75	23	39 81	69	119 42	23	39 37	69	118 12
24	42 00	70	122 50	24	41 54	70	121 15	24	41 09	70	119 84
25	43 75	71	124 25	25	43 27	71	122 88	25	42 80	71	121 55
26	45 50	72	126 00	26	45 00	72	124 62	26	44 51	72	123 26
27	47 25	73	127 75	27	46 73	73	126 35	27	46 22	73	124 97
28	49 00	74	129 50	28	48 46	74	128 08	28	47 93	74	126 68
29	50 75	75	131 25	29	50 19	75	129 81	29	49 65	75	128 40
30	52 50	76	133 00	30	51 92	76	131 54	30	51 36	76	130 11
31	54 25	77	134 75	31	53 65	77	133 27	31	53 07	77	131 82
32	56 00	78	136 50	32	55 38	78	135 00	32	54 78	78	133 53
33	57 75	79	138 25	33	57 12	79	136 73	33	56 49	79	135 24
34	59 50	80	140 00	34	58 85	80	138 46	34	58 21	80	136 96
35	61 25	81	141 75	35	60 58	81	140 19	35	59 92	81	138 67
36	63 00	82	143 50	36	62 31	82	141 92	36	61 63	82	140 38
37	64 75	83	145 25	37	64 04	83	143 65	37	63 34	83	142 09
38	66 50	84	147 00	38	65 77	84	145 38	38	65 05	84	143 80
39	68 25	85	148 75	39	67 50	85	147 12	39	66 77	85	145 52
40	70 00	86	150 50	40	69 23	86	148 85	40	68 48	86	147 23
41	71 75	87	152 25	41	70 96	87	150 58	41	70 19	87	148 94
42	73 50	88	154 00	42	72 69	88	152 31	42	71 90	88	150 65
43	75 25	89	155 75	43	74 42	89	154 04	43	73 61	89	152 36
44	77 00	90	157 50	44	76 15	90	155 77	44	75 33	90	154 08
45	78 75			45	77 88	91	157 50	45	77 04	91	155 79
46	80 50			46	79 62			46	78 75	92	157 50

TABLES OF KEEPERS' SALARIES.

\$625 PER ANNUM—\$156.25 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 74	47	\$81 60	1	\$1 72	47	\$80 70	1	\$1 70	47	\$79 82
2	3 47	48	83 33	2	3 43	48	82 42	2	3 40	48	81 52
3	5 21	49	85 07	3	5 15	49	84 13	3	5 10	49	83 22
4	6 94	50	86 81	4	6 87	50	85 85	4	6 79	50	84 92
5	8 68	51	88 54	5	8 59	51	87 57	5	8 49	51	86 62
6	10 42	52	90 28	6	10 30	52	89 29	6	10 19	52	88 32
7	12 15	53	92 01	7	12 02	53	91 00	7	11 89	53	90 01
8	13 89	54	93 75	8	13 74	54	92 72	8	13 59	54	91 71
9	15 62	55	95 49	9	15 45	55	94 44	9	15 29	55	93 41
10	17 36	56	97 22	10	17 17	56	96 15	10	16 98	56	95 11
11	19 10	57	98 96	11	18 89	57	97 87	11	18 68	57	96 81
12	20 83	58	100 69	12	20 60	58	99 59	12	20 38	58	98 51
13	22 57	59	102 43	13	22 32	59	101 30	13	22 08	59	100 20
14	24 31	60	104 17	14	24 04	60	103 02	14	23 78	60	101 90
15	26 04	61	105 90	15	25 76	61	104 74	15	25 48	61	103 60
16	27 78	62	107 64	16	27 47	62	106 46	16	27 17	62	105 29
17	29 51	63	109 37	17	29 19	63	108 17	17	28 87	63	106 99
18	31 25	64	111 11	18	30 91	64	109 89	18	30 57	64	108 69
19	32 99	65	112 85	19	32 62	65	111 61	19	32 27	65	110 39
20	34 72	66	114 58	20	34 34	66	113 32	20	33 97	66	112 09
21	36 46	67	116 32	21	36 06	67	115 04	21	35 67	67	113 79
22	38 19	68	118 06	22	37 77	68	116 76	22	37 36	68	115 49
23	39 93	69	119 79	23	39 49	69	118 48	23	39 06	69	117 19
24	41 67	70	121 53	24	41 21	70	120 19	24	40 76	70	118 89
25	43 40	71	123 26	25	42 93	71	121 91	25	42 46	71	120 58
26	45 14	72	125 00	26	44 64	72	123 63	26	44 16	72	122 28
27	46 87	73	126 74	27	46 36	73	125 34	27	45 86	73	123 98
28	48 61	74	128 47	28	48 08	74	127 06	28	47 55	74	125 68
29	50 35	75	130 21	29	49 79	75	128 78	29	49 25	75	127 38
30	52 08	76	131 94	30	51 51	76	130 49	30	50 95	76	129 08
31	53 82	77	133 68	31	53 23	77	132 21	31	52 65	77	130 77
32	55 56	78	135 42	32	54 95	78	133 93	32	54 35	78	132 47
33	57 29	79	137 15	33	56 66	79	135 65	33	56 05	79	134 17
34	59 03	80	138 89	34	58 38	80	137 36	34	57 74	80	135 87
35	60 76	81	140 62	35	60 10	81	139 08	35	59 44	81	137 57
36	62 50	82	142 36	36	61 81	82	140 80	36	61 14	82	139 27
37	64 24	83	144 10	37	63 53	83	142 51	37	62 84	83	140 96
38	65 97	84	145 83	38	65 25	84	144 23	38	64 54	84	142 66
39	67 71	85	147 57	39	66 96	85	145 95	39	66 24	85	144 36
40	69 44	86	149 31	40	68 68	86	147 66	40	67 93	86	146 06
41	71 18	87	151 04	41	70 40	87	149 38	41	69 63	87	147 76
42	72 92	88	152 78	42	72 12	88	151 10	42	71 33	88	149 46
43	74 65	89	154 51	43	73 83	89	152 82	43	73 03	89	151 15
44	76 39	90	156 25	44	75 55	90	154 53	44	74 73	90	152 85
45	78 12			45	77 27	91	156 25	45	76 43	91	154 55
46	79 86			46	78 98			46	78 12	92	156 25

TABLES OF KEEPERS' SALARIES.

\$620 PER ANNUM—\$155 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 72	47	\$80 94	1	\$1 70	47	\$80 05	1	\$1 68	47	\$79 18
2	3 44	48	82 67	2	3 41	48	81 76	2	3 37	48	80 87
3	5 17	49	84 39	3	5 11	49	83 46	3	5 05	49	82 55
4	6 89	50	86 11	4	6 81	50	85 16	4	6 74	50	84 24
5	8 61	51	87 83	5	8 52	51	86 87	5	8 42	51	85 92
6	10 33	52	89 56	6	10 22	52	88 57	6	10 11	52	87 61
7	12 06	53	91 28	7	11 92	53	90 27	7	11 79	53	89 29
8	13 78	54	93 00	8	13 63	54	91 98	8	13 48	54	90 98
9	15 50	55	94 72	9	15 33	55	93 68	9	15 16	55	92 66
10	17 22	56	96 44	10	17 03	56	95 38	10	16 85	56	94 35
11	18 94	57	98 17	11	18 74	57	97 09	11	18 53	57	96 03
12	20 67	58	99 89	12	20 44	58	98 79	12	20 22	58	97 72
13	22 39	59	101 61	13	22 14	59	100 49	13	21 90	59	99 40
14	24 11	60	103 33	14	23 85	60	102 20	14	23 59	60	101 09
15	25 83	61	105 06	15	25 55	61	103 90	15	25 27	61	102 77
16	27 56	62	106 78	16	27 25	62	105 60	16	26 96	62	104 46
17	29 28	63	108 50	17	28 96	63	107 31	17	28 64	63	106 14
18	31 00	64	110 22	18	30 66	64	109 01	18	30 33	64	107 83
19	32 72	65	111 94	19	32 36	65	110 71	19	32 01	65	109 51
20	34 44	66	113 67	20	34 07	66	112 42	20	33 70	66	111 20
21	36 17	67	115 39	21	35 77	67	114 12	21	35 38	67	112 88
22	37 89	68	117 11	22	37 47	68	115 82	22	37 07	68	114 57
23	39 61	69	118 83	23	39 18	69	117 53	23	38 75	69	116 25
24	41 33	70	120 56	24	40 88	70	119 23	24	40 43	70	117 93
25	43 06	71	122 28	25	42 58	71	120 93	25	42 12	71	119 62
26	44 78	72	124 00	26	44 29	72	122 64	26	43 80	72	121 30
27	46 50	73	125 72	27	45 99	73	124 34	27	45 49	73	122 99
28	48 22	74	127 44	28	47 69	74	126 04	28	47 17	74	124 67
29	49 94	75	129 17	29	49 40	75	127 75	29	48 86	75	126 36
30	51 67	76	130 89	30	51 10	76	129 45	30	50 54	76	128 04
31	53 39	77	132 61	31	52 80	77	131 15	31	52 23	77	129 73
32	55 11	78	134 33	32	54 51	78	132 86	32	53 91	78	131 41
33	56 83	79	136 06	33	56 21	79	134 56	33	55 60	79	133 10
34	58 56	80	137 78	34	57 91	80	136 26	34	57 28	80	134 78
35	60 28	81	139 50	35	59 62	81	137 97	35	58 97	81	136 47
36	62 00	82	141 22	36	61 32	82	139 67	36	60 65	82	138 15
37	63 72	83	142 94	37	63 02	83	141 37	37	62 34	83	139 84
38	65 44	84	144 67	38	64 73	84	143 08	38	64 02	84	141 52
39	67 17	85	146 39	39	66 43	85	144 78	39	65 71	85	143 21
40	68 89	86	148 11	40	68 13	86	146 48	40	67 39	86	144 89
41	70 61	87	149 83	41	69 84	87	148 19	41	69 06	87	146 58
42	72 33	88	151 56	42	71 54	88	149 89	42	70 76	88	148 26
43	74 06	89	153 28	43	73 24	89	151 59	43	72 45	89	149 95
44	75 78	90	155 00	44	74 95	90	153 30	44	74 13	90	151 63
45	77 50			45	76 65	91	155 00	45	75 82	91	153 32
46	79 22			46	78 35			46	77 50	92	155 00

TABLES OF KEEPERS' SALARIES.

\$600 PER ANNUM—\$150 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 67	47	\$78 33	1	\$1 65	47	\$77 47	1	\$1 63	47	\$76 63
2	3 33	48	80 00	2	3 30	48	79 12	2	3 26	48	78 26
3	5 00	49	81 67	3	4 95	49	80 77	3	4 89	49	79 89
4	6 67	50	83 33	4	6 59	50	82 42	4	6 52	50	81 52
5	8 33	51	85 00	5	8 24	51	84 07	5	8 15	51	83 15
6	10 00	52	86 67	6	9 89	52	85 71	6	9 78	52	84 78
7	11 67	53	88 33	7	11 54	53	87 36	7	11 41	53	86 41
8	13 33	54	90 00	8	13 19	54	89 01	8	13 04	54	88 04
9	15 00	55	91 67	9	14 84	55	90 66	9	14 67	55	89 67
10	16 67	56	93 33	10	16 48	56	92 31	10	16 30	56	91 30
11	18 33	57	95 00	11	18 13	57	93 96	11	17 93	57	92 93
12	20 00	58	96 67	12	19 78	58	95 60	12	19 57	58	94 57
13	21 67	59	98 33	13	21 43	59	97 25	13	21 20	59	96 20
14	23 33	60	100 00	14	23 08	60	98 90	14	22 83	60	97 83
15	25 00	61	101 67	15	24 73	61	100 55	15	24 46	61	99 46
16	26 67	62	103 33	16	26 37	62	102 20	16	26 09	62	101 09
17	28 33	63	105 00	17	28 02	63	103 85	17	27 72	63	102 72
18	30 00	64	106 67	18	29 67	64	105 49	18	29 35	64	104 35
19	31 67	65	108 33	19	31 32	65	107 14	19	30 98	65	105 98
20	33 33	66	110 00	20	32 97	66	108 79	20	32 61	66	107 61
21	35 00	67	111 67	21	34 62	67	110 44	21	34 24	67	109 24
22	36 67	68	113 33	22	36 26	68	112 09	22	35 87	68	110 87
23	38 33	69	115 00	23	37 91	69	113 74	23	37 50	69	112 50
24	40 00	70	116 67	24	39 56	70	115 38	24	39 13	70	114 13
25	41 67	71	118 33	25	41 21	71	117 03	25	40 76	71	115 76
26	43 33	72	120 00	26	42 86	72	118 68	26	42 39	72	117 39
27	45 00	73	121 67	27	44 51	73	120 33	27	44 02	73	119 02
28	46 67	74	123 33	28	46 15	74	121 98	28	45 65	74	120 65
29	48 33	75	125 00	29	47 80	75	123 63	29	47 28	75	122 28
30	50 00	76	126 67	30	49 45	76	125 27	30	48 91	76	123 91
31	51 67	77	128 33	31	51 10	77	126 92	31	50 54	77	125 54
32	53 33	78	130 00	32	52 75	78	128 57	32	52 17	78	127 17
33	55 00	79	131 67	33	54 40	79	130 22	33	53 80	79	128 80
34	56 67	80	133 33	34	56 04	80	131 87	34	55 43	80	130 43
35	58 33	81	135 00	35	57 69	81	133 52	35	57 07	81	132 07
36	60 00	82	136 67	36	59 34	82	135 16	36	58 70	82	133 70
37	61 67	83	138 33	37	60 99	83	136 81	37	60 33	83	135 33
38	63 33	84	140 00	38	62 64	84	138 46	38	61 96	84	136 96
39	65 00	85	141 67	39	64 29	85	140 11	39	63 59	85	138 59
40	66 67	86	143 33	40	65 93	86	141 76	40	65 22	86	140 22
41	68 33	87	145 00	41	67 58	87	143 41	41	66 85	87	141 85
42	70 00	88	146 67	42	69 23	88	145 05	42	68 48	88	143 48
43	71 67	89	148 33	43	70 88	89	146 70	43	70 11	89	145 11
44	73 33	90	150 00	44	72 53	90	148 35	44	71 74	90	146 74
45	75 00			45	74 18	91	150 00	45	73 37	91	148 37
46	76 67			46	75 82			46	75 00	92	150 00

TABLES OF KEEPERS' SALARIES.

\$580 PER ANNUM—\$145 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 61	47	\$75 72	1	\$1 59	47	\$74 89	1	\$1 58	47	\$74 08
2	3 22	48	77 33	2	3 19	48	76 48	2	3 15	48	75 65
3	4 83	49	78 94	3	4 78	49	78 08	3	4 73	49	77 23
4	6 44	50	80 56	4	6 37	50	79 67	4	6 30	50	78 80
5	8 06	51	82 17	5	7 97	51	81 26	5	7 88	51	80 38
6	9 67	52	83 78	6	9 56	52	82 86	6	9 46	52	81 96
7	11 28	53	85 39	7	11 15	53	84 45	7	11 03	53	83 53
8	12 89	54	88 00	8	12 75	54	86 04	8	12 61	54	85 11
9	14 50	55	88 61	9	14 34	55	87 64	9	14 18	55	86 68
10	16 11	56	90 22	10	15 93	56	89 23	10	15 76	56	88 26
11	17 72	57	91 83	11	17 53	57	90 82	11	17 34	57	89 84
12	19 33	58	93 44	12	19 12	58	92 42	12	18 91	58	91 41
13	20 94	59	95 06	13	20 71	59	94 01	13	20 49	59	92 99
14	22 56	60	96 67	14	22 31	60	95 60	14	22 06	60	94 56
15	24 17	61	98 28	15	23 90	61	97 20	15	23 64	61	96 14
16	25 78	62	99 89	16	25 49	62	98 79	16	25 22	62	97 72
17	27 39	63	101 50	17	27 09	63	100 38	17	26 79	63	99 29
18	29 00	64	103 11	18	28 68	64	101 98	18	28 37	64	100 87
19	30 61	65	104 72	19	30 27	65	103 57	19	29 95	65	102 45
20	32 22	66	106 33	20	31 87	66	105 16	20	31 52	66	104 02
21	33 83	67	107 94	21	33 46	67	106 76	21	33 10	67	105 60
22	35 44	68	109 56	22	35 05	68	108 35	22	34 67	68	107 17
23	37 06	69	111 17	23	36 65	69	109 95	23	36 25	69	108 75
24	38 67	70	112 78	24	38 24	70	111 54	24	37 83	70	110 33
25	40 28	71	114 39	25	39 84	71	113 13	25	39 40	71	111 90
26	41 89	72	116 00	26	41 43	72	114 73	26	40 98	72	113 48
27	43 50	73	117 61	27	43 02	73	116 32	27	42 55	73	115 05
28	45 11	74	119 22	28	44 62	74	117 91	28	44 13	74	116 63
29	46 72	75	120 83	29	46 21	75	119 51	29	45 71	75	118 21
30	48 33	76	122 44	30	47 80	76	121 10	30	47 28	76	119 78
31	49 94	77	124 06	31	49 40	77	122 69	31	48 86	77	121 36
32	51 56	78	125 67	32	50 99	78	124 29	32	50 43	78	122 93
33	53 17	79	127 28	33	52 58	79	125 88	33	52 01	79	124 51
34	54 78	80	128 89	34	54 18	80	127 47	34	53 59	80	126 09
35	56 39	81	130 50	35	55 77	81	129 07	35	55 16	81	127 66
36	58 00	82	132 11	36	57 36	82	130 66	36	56 74	82	129 24
37	59 61	83	133 72	37	58 96	83	132 25	37	58 31	83	130 81
38	61 22	84	135 33	38	60 55	84	133 85	38	59 89	84	132 39
39	62 83	85	136 94	39	62 14	85	135 44	39	61 47	85	133 97
40	64 44	86	138 56	40	63 74	86	137 03	40	63 04	86	135 54
41	66 06	87	140 17	41	65 33	87	138 63	41	64 62	87	137 12
42	67 67	88	141 78	42	66 92	88	140 22	42	66 20	88	138 70
43	69 28	89	143 39	43	68 52	89	141 81	43	67 77	89	140 27
44	70 89	90	145 00	44	70 11	90	143 41	44	69 35	90	141 85
45	72 50			45	71 70	91	145 00	45	70 92	91	143 42
46	74 11			46	73 30			46	72 50	92	145 00

TABLES OF KEEPERS' SALARIES.

\$575 PER ANNUM—\$143.75 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 60	47	\$75 07	1	\$1 58	47	\$74 24	1	\$1 56	47	\$73 44
2	3 19	48	76 67	2	3 16	48	75 82	2	3 12	48	75 00
3	4 79	49	78 26	3	4 74	49	77 40	3	4 69	49	76 56
4	6 39	50	79 86	4	6 32	50	78 98	4	6 25	50	78 12
5	7 99	51	81 46	5	7 90	51	80 56	5	7 81	51	79 69
6	9 58	52	83 06	6	9 48	52	82 14	6	9 37	52	81 25
7	11 18	53	84 65	7	11 06	53	83 72	7	10 94	53	82 81
8	12 78	54	86 25	8	12 64	54	85 30	8	12 50	54	84 37
9	14 37	55	87 85	9	14 22	55	86 88	9	14 06	55	85 94
10	15 97	56	89 44	10	15 80	56	88 46	10	15 62	56	87 50
11	17 57	57	91 04	11	17 38	57	90 04	11	17 19	57	89 06
12	19 17	58	92 64	12	18 96	58	91 62	12	18 75	58	90 62
13	20 76	59	94 24	13	20 54	59	93 20	13	20 31	59	92 19
14	22 36	60	95 83	14	22 12	60	94 78	14	21 87	60	93 75
15	23 96	61	97 43	15	23 70	61	96 36	15	23 44	61	95 31
16	25 56	62	99 03	16	25 27	62	97 94	16	25 00	62	96 87
17	27 15	63	100 62	17	26 85	63	99 52	17	26 56	63	98 44
18	28 75	64	102 22	18	28 43	64	101 10	18	28 12	64	100 00
19	30 35	65	103 82	19	30 01	65	102 68	19	29 69	65	101 56
20	31 94	66	105 42	20	31 59	66	104 26	20	31 25	66	103 12
21	33 54	67	107 01	21	33 17	67	105 84	21	32 81	67	104 69
22	35 14	68	108 61	22	34 75	68	107 42	22	34 37	68	106 25
23	36 74	69	110 21	23	36 33	69	109 00	23	35 94	69	107 81
24	38 33	70	111 81	24	37 91	70	110 58	24	37 50	70	109 37
25	39 93	71	113 40	25	39 49	71	112 16	25	39 06	71	110 94
26	41 53	72	115 00	26	41 07	72	113 74	26	40 62	72	112 50
27	43 12	73	116 60	27	42 65	73	115 32	27	42 19	73	114 06
28	44 72	74	118 19	28	44 23	74	116 90	28	43 75	74	115 62
29	46 32	75	119 79	29	45 81	75	118 48	29	45 31	75	117 19
30	47 92	76	121 39	30	47 39	76	120 05	30	46 87	76	118 75
31	49 51	77	122 99	31	48 97	77	121 63	31	48 44	77	120 31
32	51 11	78	124 58	32	50 55	78	123 21	32	50 00	78	121 87
33	52 71	79	126 18	33	52 13	79	124 79	33	51 56	79	123 44
34	54 31	80	127 78	34	53 71	80	126 37	34	53 12	80	125 00
35	55 90	81	129 37	35	55 29	81	127 95	35	54 69	81	126 56
36	57 50	82	130 97	36	56 87	82	129 53	36	56 25	82	128 12
37	59 10	83	132 57	37	58 45	83	131 11	37	57 81	83	129 69
38	60 69	84	134 17	38	60 03	84	132 69	38	59 37	84	131 25
39	62 29	85	135 76	39	61 61	85	134 27	39	60 94	85	132 81
40	63 89	86	137 36	40	63 19	86	135 85	40	62 50	86	134 37
41	65 49	87	138 96	41	64 77	87	137 43	41	64 06	87	135 94
42	67 08	88	140 56	42	66 35	88	139 01	42	65 62	88	137 50
43	68 68	89	142 15	43	67 93	89	140 59	43	67 19	89	139 06
44	70 28	90	143 75	44	69 51	90	142 17	44	68 75	90	140 62
45	71 87			45	71 09	91	143 75	45	70 31	91	142 19
46	73 47			46	72 66			46	71 87	92	143 75

TABLES OF KEEPERS' SALARIES.

\$560 PER ANNUM—\$140 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 56	47	\$73 11	1	\$1 54	47	\$72 31	1	\$1 52	47	\$71 52
2	3 11	48	74 67	2	3 08	48	73 85	2	3 04	48	73 04
3	4 67	49	76 22	3	4 62	49	75 38	3	4 57	49	74 57
4	6 22	50	77 78	4	6 15	50	76 92	4	6 09	50	76 09
5	7 78	51	79 33	5	7 69	51	78 46	5	7 61	51	77 61
6	9 33	52	80 89	6	9 23	52	80 00	6	9 13	52	79 13
7	10 89	53	82 44	7	10 77	53	81 54	7	10 65	53	80 65
8	12 44	54	84 00	8	12 31	54	83 08	8	12 17	54	82 17
9	14 00	55	85 56	9	13 85	55	84 62	9	13 70	55	83 70
10	15 56	56	87 11	10	15 38	56	86 15	10	15 22	56	85 22
11	17 11	57	88 67	11	16 92	57	87 69	11	16 74	57	86 74
12	18 67	58	90 22	12	18 46	58	89 23	12	18 26	58	88 26
13	20 22	59	91 78	13	20 00	59	90 77	13	19 78	59	89 78
14	21 78	60	93 33	14	21 54	60	92 31	14	21 30	60	91 30
15	23 33	61	94 89	15	23 08	61	93 85	15	22 83	61	92 83
16	24 89	62	96 44	16	24 62	62	95 38	16	24 35	62	94 35
17	26 44	63	98 00	17	26 15	63	96 92	17	25 87	63	95 87
18	28 00	64	99 56	18	27 69	64	98 46	18	27 39	64	97 39
19	29 56	65	101 11	19	29 23	65	100 00	19	28 91	65	98 91
20	31 11	66	102 67	20	30 77	66	101 54	20	30 43	66	100 43
21	32 67	67	104 22	21	32 31	67	103 08	21	31 96	67	101 96
22	34 22	68	105 78	22	33 85	68	104 62	22	33 48	68	103 48
23	35 78	69	107 33	23	35 38	69	106 15	23	35 00	69	105 00
24	37 33	70	108 89	24	36 92	70	107 69	24	36 52	70	106 52
25	38 89	71	110 44	25	38 46	71	109 23	25	38 04	71	108 04
26	40 44	72	112 00	26	40 00	72	110 77	26	39 57	72	109 57
27	42 00	73	113 56	27	41 54	73	112 31	27	41 09	73	111 09
28	43 56	74	115 11	28	43 08	74	113 85	28	42 61	74	112 61
29	45 11	75	116 67	29	44 62	75	115 38	29	44 13	75	114 13
30	46 67	76	118 22	30	46 15	76	116 92	30	45 65	76	115 65
31	48 22	77	119 78	31	47 69	77	118 46	31	47 17	77	117 17
32	49 78	78	121 33	32	49 23	78	120 00	32	48 70	78	118 70
33	51 33	79	122 89	33	50 77	79	121 54	33	50 22	79	120 22
34	52 89	80	124 44	34	52 31	80	123 08	34	51 74	80	121 74
35	54 44	81	126 00	35	53 85	81	124 62	35	53 26	81	123 26
36	56 00	82	127 56	36	55 38	82	126 15	36	54 78	82	124 78
37	57 56	83	129 11	37	56 92	83	127 69	37	56 30	83	126 30
38	59 11	84	130 67	38	58 46	84	129 23	38	57 83	84	127 83
39	60 67	85	132 22	39	60 00	85	130 77	39	59 35	85	129 35
40	62 22	86	133 78	40	61 54	86	132 31	40	60 87	86	130 87
41	63 78	87	135 33	41	63 08	87	133 85	41	62 39	87	132 39
42	65 33	88	136 89	42	64 62	88	135 38	42	63 91	88	133 91
43	66 89	89	138 44	43	66 15	89	136 92	43	65 43	89	135 43
44	68 44	90	140 00	44	67 69	90	138 46	44	66 96	90	136 96
45	70 00			45	69 23	91	140 00	45	68 48	91	138 48
46	71 56			46	70 77			46	70 00	92	140 00

Amendment to "Instructions to Light-Keepers, 1902," adopted by the
Board at its session on May 3, 1909.

Page 53, paragraph 305, title "Inside colors," insert:

*Light sea green, drab or
cream colored trans-
parent oil paint.* } For plastered walls.

TABLES OF KEEPERS' SALARIES.

\$550 PER ANNUM—\$137.50 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 53	47	\$71 81	1	\$1 51	47	\$71 02	1	\$1 49	47	\$70 24
2	3 06	48	73 33	2	3 02	48	72 53	2	2 99	48	71 74
3	4 58	49	74 86	3	4 53	49	74 04	3	4 48	49	73 23
4	6 11	50	76 39	4	6 04	50	75 55	4	5 98	50	74 73
5	7 64	51	77 92	5	7 55	51	77 06	5	7 47	51	76 22
6	9 17	52	79 44	6	9 07	52	78 57	6	8 97	52	77 72
7	10 69	53	80 97	7	10 58	53	80 08	7	10 46	53	79 21
8	12 22	54	82 50	8	12 09	54	81 59	8	11 96	54	80 71
9	13 75	55	84 03	9	13 60	55	83 10	9	13 45	55	82 20
10	15 28	56	85 56	10	15 11	56	84 62	10	14 95	56	83 70
11	16 81	57	87 08	11	16 62	57	86 13	11	16 44	57	85 19
12	18 33	58	88 61	12	18 13	58	87 64	12	17 93	58	86 68
13	19 86	59	90 14	13	19 64	59	89 15	13	19 43	59	88 18
14	21 39	60	91 67	14	21 15	60	90 66	14	20 92	60	89 67
15	22 92	61	93 19	15	22 66	61	92 17	15	22 42	61	91 17
16	24 44	62	94 72	16	24 18	62	93 68	16	23 91	62	92 66
17	25 97	63	96 25	17	25 69	63	95 19	17	25 41	63	94 16
18	27 50	64	97 78	18	27 20	64	96 70	18	26 90	64	95 65
19	29 03	65	99 31	19	28 71	65	98 21	19	28 40	65	97 15
20	30 56	66	100 83	20	30 22	66	99 73	20	29 89	66	98 64
21	32 08	67	102 36	21	31 73	67	101 24	21	31 39	67	100 14
22	33 61	68	103 89	22	33 24	68	102 75	22	32 88	68	101 63
23	35 14	69	105 42	23	34 75	69	104 26	23	34 37	69	103 12
24	36 67	70	106 94	24	36 26	70	105 77	24	35 87	70	104 62
25	38 19	71	108 47	25	37 77	71	107 28	25	37 36	71	106 11
26	39 72	72	110 00	26	39 29	72	108 79	26	38 86	72	107 61
27	41 25	73	111 53	27	40 80	73	110 30	27	40 35	73	109 10
28	42 78	74	113 06	28	42 31	74	111 81	28	41 85	74	110 60
29	44 31	75	114 58	29	43 82	75	113 32	29	43 34	75	112 09
30	45 83	76	116 11	30	45 33	76	114 84	30	44 84	76	113 59
31	47 36	77	117 64	31	46 84	77	116 35	31	46 33	77	115 08
32	48 89	78	119 17	32	48 35	78	117 86	32	47 83	78	116 58
33	50 42	79	120 69	33	49 86	79	119 37	33	49 32	79	118 07
34	51 94	80	122 22	34	51 37	80	120 88	34	50 82	80	119 57
35	53 47	81	123 75	35	52 88	81	122 39	35	52 31	81	121 06
36	55 00	82	125 28	36	54 40	82	123 90	36	53 80	82	122 55
37	56 53	83	126 81	37	55 91	83	125 41	37	55 30	83	124 05
38	58 06	84	128 33	38	57 42	84	126 92	38	56 79	84	125 54
39	59 58	85	129 86	39	58 93	85	128 43	39	58 29	85	127 04
40	61 11	86	131 39	40	60 44	86	129 95	40	59 78	86	128 53
41	62 64	87	132 92	41	61 95	87	131 46	41	61 28	87	130 03
42	64 17	88	134 44	42	63 46	88	132 97	42	62 77	88	131 52
43	65 69	89	135 97	43	64 97	89	134 48	43	64 27	89	133 02
44	67 22	90	137 50	44	66 48	90	135 99	44	65 76	90	134 51
45	68 75			45	67 99	91	137 50	45	67 26	91	136 01
46	70 28			46	69 51			46	68 75	92	137 50

TABLES OF KEEPERS' SALARIES.

\$540 PER ANNUM—\$135 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		AYS.		DAYS.		DAYS.	
1	\$1 50	47	\$70 50	1	\$1 48	47	\$69 73	1	\$1 47	47	\$68 97
2	3 00	48	72 00	2	2 97	48	71 21	2	2 93	48	70 43
3	4 50	49	73 50	3	4 45	49	72 69	3	4 40	49	71 90
4	6 00	50	75 00	4	5 93	50	74 18	4	5 87	50	73 37
5	7 50	51	76 50	5	7 42	51	75 66	5	7 34	51	74 84
6	9 00	52	78 00	6	8 90	52	77 14	6	8 80	52	76 30
7	10 50	53	79 50	7	10 38	53	78 63	7	10 27	53	77 77
8	12 00	54	81 00	8	11 87	54	80 11	8	11 74	54	79 24
9	13 50	55	82 50	8	13 35	55	81 59	9	13 21	55	80 71
10	15 00	56	84 00	10	14 84	56	83 08	10	14 67	56	82 17
11	16 50	57	85 50	11	16 32	57	84 56	11	16 14	57	83 64
12	18 00	58	87 00	12	17 80	58	86 04	12	17 61	58	85 11
13	19 50	59	88 50	13	19 29	59	87 53	13	19 08	59	86 58
14	21 00	60	90 00	14	20 77	60	89 01	14	20 54	60	88 04
15	22 50	61	91 50	15	22 25	61	90 49	15	22 01	61	89 51
16	24 00	62	93 00	16	23 74	62	91 98	16	23 48	62	90 98
17	25 50	63	94 50	17	25 22	63	93 46	17	24 95	63	92 45
18	27 00	64	96 00	18	26 70	64	94 95	18	26 41	64	93 91
19	28 50	65	97 50	19	28 19	65	96 43	19	27 88	65	95 38
20	30 00	66	99 00	20	29 67	66	97 91	20	29 35	66	96 85
21	31 50	67	100 50	21	31 15	67	99 40	21	30 82	67	98 32
22	33 00	68	102 00	22	32 64	68	100 88	22	32 28	68	99 78
23	34 50	69	103 50	23	34 12	69	102 36	23	33 75	69	101 25
24	36 00	70	105 00	24	35 60	70	103 85	24	35 22	70	102 72
25	37 50	71	106 50	25	37 09	71	105 33	25	36 68	71	104 18
26	39 00	72	108 00	26	38 57	72	106 81	26	38 15	72	105 65
27	40 50	73	109 50	27	40 05	73	108 30	27	39 62	73	107 12
28	42 00	74	111 00	28	41 54	74	109 78	28	41 09	74	108 59
29	43 50	75	112 50	29	43 02	75	111 26	29	42 55	75	110 05
30	45 00	76	114 00	30	44 51	76	112 75	30	44 02	76	111 52
31	46 50	77	115 50	31	45 99	77	114 23	31	45 49	77	112 99
32	48 00	78	117 00	32	47 47	78	115 71	32	46 96	78	114 46
33	49 50	79	118 50	33	48 96	79	117 20	33	48 42	79	115 92
34	51 00	80	120 00	34	50 44	80	118 68	34	49 89	80	117 39
35	52 50	81	121 50	35	51 92	81	120 16	35	51 36	81	118 86
36	54 00	82	123 00	36	53 41	82	121 65	36	52 83	82	120 33
37	55 50	83	124 50	37	54 89	83	123 13	37	54 29	83	121 79
38	57 00	84	126 00	38	56 37	84	124 62	38	55 76	84	123 26
39	58 50	85	127 50	39	57 86	85	126 10	39	57 23	85	124 73
40	60 00	86	129 00	40	59 34	86	127 58	40	58 70	86	126 20
41	61 50	87	130 50	41	60 82	87	129 07	41	60 16	87	127 66
42	63 00	88	132 00	42	62 31	88	130 55	42	61 63	88	129 13
43	64 50	89	133 50	43	63 79	89	132 03	43	63 10	89	130 60
44	66 00	90	135 00	44	65 27	90	133 52	44	64 57	90	132 07
45	67 50			45	66 76	91	135 00	45	66 03	91	133 53
46	69 00			46	68 24			46	67 50	92	135 00

TABLES OF KEEPERS' SALARIES.

\$530 PER ANNUM—\$132.50 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 47	47	\$69 19	1	\$1 46	47	\$68 43	1	\$1 44	47	\$67 69
2	2 94	48	70 67	2	2 91	48	69 89	2	2 88	48	69 13
3	4 42	49	72 14	3	4 37	49	71 35	3	4 32	49	70 57
4	5 89	50	73 61	4	5 82	50	72 80	4	5 76	50	72 01
5	7 36	51	75 08	5	7 28	51	74 26	5	7 20	51	73 45
6	8 83	52	76 56	6	8 74	52	75 71	6	8 64	52	74 89
7	10 31	53	78 03	7	10 19	53	77 17	7	10 08	53	76 33
8	11 78	54	79 50	8	11 65	54	78 63	8	11 52	54	77 77
9	13 25	55	80 97	9	13 10	55	80 08	9	12 96	55	79 21
10	14 72	56	82 44	10	14 56	56	81 54	10	14 40	56	80 65
11	16 19	57	83 92	11	16 02	57	82 99	11	15 84	57	82 09
12	17 67	58	85 39	12	17 47	58	84 45	12	17 28	58	83 53
13	19 14	59	86 86	13	18 93	59	85 91	13	18 72	59	84 97
14	20 61	60	88 33	14	20 38	60	87 36	14	20 16	60	86 41
15	22 08	61	89 81	15	21 84	61	88 82	15	21 60	61	87 85
16	23 56	62	91 28	16	23 30	62	90 27	16	23 04	62	89 29
17	25 03	63	92 75	17	24 75	63	91 73	17	24 48	63	90 73
18	26 50	64	94 22	18	26 21	64	93 19	18	25 92	64	92 17
19	27 97	65	95 69	19	27 66	65	94 64	19	27 36	65	93 61
20	29 44	66	97 17	20	29 12	66	96 10	20	28 80	66	95 05
21	30 92	67	98 64	21	30 58	67	97 55	21	30 24	67	96 49
22	32 39	68	100 11	22	32 03	68	99 01	22	31 68	68	97 93
23	33 86	69	101 58	23	33 49	69	100 47	23	33 12	69	99 37
24	35 33	70	103 06	24	34 94	70	101 92	24	34 57	70	100 82
25	36 81	71	104 53	25	36 40	71	103 38	25	36 01	71	102 26
26	38 28	72	106 00	26	37 86	72	104 84	26	37 45	72	103 70
27	39 75	73	107 47	27	39 31	73	106 29	27	38 89	73	105 14
28	41 22	74	108 94	28	40 77	74	107 75	28	40 33	74	106 58
29	42 69	75	110 42	29	42 23	75	109 20	29	41 77	75	108 02
30	44 17	76	111 89	30	43 68	76	110 66	30	43 21	76	109 46
31	45 64	77	113 36	31	45 14	77	112 11	31	44 65	77	110 90
32	47 11	78	114 83	32	46 59	78	113 57	32	46 09	78	112 34
33	48 58	79	116 31	33	48 05	79	115 03	33	47 53	79	113 78
34	50 06	80	117 78	34	49 51	80	116 48	34	48 97	80	115 22
35	51 53	81	119 25	35	50 96	81	117 94	35	50 41	81	116 66
36	53 00	82	120 72	36	52 42	82	119 40	36	51 85	82	118 10
37	54 47	83	122 19	37	53 87	83	120 85	37	53 29	83	119 54
38	55 94	84	123 67	38	55 33	84	122 31	38	54 73	84	120 98
39	57 42	85	125 14	39	56 79	85	123 16	39	56 17	85	122 42
40	58 89	86	126 61	40	58 24	86	125 22	40	57 61	86	123 86
41	60 36	87	128 08	41	59 70	87	126 68	41	59 05	87	125 30
42	61 83	88	129 56	42	61 15	88	128 13	42	60 49	88	126 74
43	63 31	89	131 03	43	62 61	89	129 59	43	61 93	89	128 18
44	64 78	90	132 50	44	64 07	90	131 04	44	63 37	90	129 62
45	66 25			45	65 52	91	132 50	45	64 81	91	131 06
46	67 72			46	66 98			46	66 25	92	132 50

TABLES OF KEEPERS' SALARIES.

\$520 PER ANNUM—\$130 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 44	47	\$67 89	1	\$1 43	47	\$67 14	1	\$1 41	47	\$66 41
2	2 89	48	69 33	2	2 86	48	68 57	2	2 83	48	67 83
3	4 33	49	70 78	3	4 29	49	70 00	3	4 24	49	69 24
4	5 78	50	72 22	4	5 71	50	71 43	4	5 65	50	70 65
5	7 22	51	73 67	5	7 14	51	72 86	5	7 07	51	72 07
6	8 67	52	75 11	6	8 57	52	74 29	6	8 48	52	73 48
7	10 11	53	76 56	7	10 00	53	75 71	7	9 89	53	74 89
8	11 56	54	78 00	8	11 43	54	77 14	8	11 30	54	76 30
9	13 00	55	79 44	9	12 86	55	78 57	9	12 72	55	77 72
10	14 44	56	80 89	10	14 29	56	80 00	10	14 13	56	79 13
11	15 89	57	82 33	11	15 71	57	81 43	11	15 54	57	80 54
12	17 33	58	83 78	12	17 14	58	82 86	12	16 96	58	81 96
13	18 78	59	85 22	13	18 57	59	84 29	13	18 37	59	83 37
14	20 22	60	86 67	14	20 00	60	85 71	14	19 78	60	84 78
15	21 67	61	88 11	15	21 43	61	87 14	15	21 20	61	86 20
16	23 11	62	89 56	16	22 86	62	88 57	16	22 61	62	87 61
17	24 56	63	91 00	17	24 29	63	90 00	17	24 02	63	89 02
18	26 00	64	92 44	18	25 71	64	91 43	18	25 43	64	90 43
19	27 44	65	93 89	19	27 14	65	92 86	19	26 85	65	91 85
20	28 89	66	95 33	20	28 57	66	94 29	20	28 26	66	93 26
21	30 33	67	96 78	21	30 00	67	95 71	21	29 67	67	94 67
22	31 78	68	98 22	22	31 43	68	97 14	22	31 09	68	96 09
23	33 22	69	99 67	23	32 86	69	98 57	23	32 50	69	97 50
24	34 67	70	101 11	24	34 29	70	100 00	24	33 91	70	98 91
25	36 11	71	102 56	25	35 71	71	101 43	25	35 33	71	100 33
26	37 56	72	104 00	26	37 14	72	102 86	26	36 74	72	101 74
27	39 00	73	105 44	27	38 57	73	104 29	27	38 15	73	103 15
28	40 44	74	106 89	28	40 00	74	105 71	28	39 57	74	104 57
29	41 89	75	108 33	29	41 43	75	107 14	29	40 98	75	105 98
30	43 33	76	109 78	30	42 86	76	108 57	30	42 39	76	107 39
31	44 78	77	111 22	31	44 29	77	110 00	31	43 80	77	108 80
32	46 22	78	112 67	32	45 71	78	111 43	32	45 22	78	110 22
33	47 67	79	114 11	33	47 14	79	112 86	33	46 63	79	111 63
34	49 11	80	115 56	34	48 57	80	114 29	34	48 04	80	113 04
35	50 56	81	117 00	35	50 00	81	115 71	35	49 46	81	114 46
36	52 00	82	118 44	36	51 43	82	117 14	36	50 87	82	115 87
37	53 44	83	119 89	37	52 86	83	118 57	37	52 28	83	117 28
38	54 89	84	121 33	38	54 29	84	120 00	38	53 70	84	118 70
39	56 33	85	122 78	39	55 71	85	121 43	39	55 11	85	120 11
40	57 78	86	124 22	40	57 14	86	122 86	40	56 52	86	121 52
41	59 22	87	125 67	41	58 57	87	124 29	41	57 93	87	122 93
42	60 67	88	127 11	42	60 00	88	125 71	42	59 35	88	124 35
43	62 11	89	128 56	43	61 43	89	127 14	43	60 76	89	125 76
44	63 56	90	130 00	44	62 86	90	128 57	44	62 17	90	127 17
45	65 00			45	64 29	91	130 00	45	63 59	91	128 59
46	66 14			46	65 71			46	65 00	92	130 00

TABLES OF KEEPERS' SALARIES.

\$510 PER ANNUM—\$127.50 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 42	47	\$66 58	1	\$1 40	47	\$65 85	1	\$1 39	47	\$65 14
2	2 83	48	68 00	2	2 80	48	67 25	2	2 77	48	66 52
3	4 25	49	69 42	3	4 20	49	68 65	3	4 16	49	67 91
4	5 67	50	70 83	4	5 60	50	70 05	4	5 54	50	69 29
5	7 08	51	72 25	5	7 01	51	71 46	5	6 93	51	70 68
6	8 50	52	73 67	6	8 41	52	72 86	6	8 32	52	72 07
7	9 92	53	75 08	7	9 81	53	74 26	7	9 70	53	73 45
8	11 33	54	76 50	8	11 21	54	75 66	8	11 09	54	74 84
9	12 75	55	77 92	9	12 61	55	77 06	9	12 47	55	76 22
10	14 17	56	79 33	10	14 01	56	78 46	10	13 86	56	77 61
11	15 58	57	80 75	11	15 41	57	79 86	11	15 24	57	78 99
12	17 00	58	82 17	12	16 81	58	81 26	12	16 63	58	80 38
13	18 42	59	83 58	13	18 21	59	82 66	13	18 02	59	81 77
14	19 83	60	85 00	14	19 62	60	84 07	14	19 40	60	83 15
15	21 25	61	86 42	15	21 02	61	85 47	15	20 79	61	84 54
16	22 67	62	87 83	16	22 42	62	86 87	16	22 17	62	85 92
17	24 08	63	89 25	17	23 82	63	88 27	17	23 56	63	87 31
18	25 50	64	90 67	18	25 22	64	89 67	18	24 95	64	88 70
19	26 92	65	92 08	19	26 62	65	91 07	19	26 33	65	90 08
20	28 33	66	93 50	20	28 02	66	92 47	20	27 72	66	91 47
21	29 75	67	94 92	21	29 42	67	93 87	21	29 10	67	92 85
22	31 17	68	96 33	22	30 82	68	95 27	22	30 49	68	94 24
23	32 58	69	97 75	23	32 23	69	96 68	23	31 87	69	95 62
24	34 00	70	99 17	24	33 63	70	98 08	24	33 26	70	97 01
25	35 42	71	100 58	25	35 03	71	99 48	25	34 65	71	98 40
26	36 83	72	102 00	26	36 43	72	100 88	26	36 03	72	99 78
27	38 25	73	103 42	27	37 83	73	102 28	27	37 42	73	101 17
28	39 67	74	104 83	28	39 23	74	103 68	28	38 80	74	102 55
29	41 08	75	106 25	29	40 63	75	105 08	29	40 19	75	103 94
30	42 50	76	107 67	30	42 03	76	106 48	30	41 58	76	105 33
31	43 92	77	109 08	31	43 43	77	107 88	31	42 96	77	106 71
32	45 33	78	110 50	32	44 84	78	109 29	32	44 35	78	108 10
33	46 75	79	111 92	33	46 24	79	110 69	33	45 73	79	109 48
34	48 17	80	113 33	34	47 64	80	112 09	34	47 12	80	110 87
35	49 58	81	114 75	35	49 04	81	113 49	35	48 51	81	112 26
36	51 00	82	116 17	36	50 44	82	114 89	36	49 89	82	113 64
37	52 42	83	117 58	37	51 84	83	116 29	37	51 28	83	115 03
38	53 83	84	119 00	38	53 24	84	117 69	38	52 66	84	116 41
39	55 25	85	120 42	39	54 64	85	119 09	39	54 05	85	117 80
40	56 67	86	121 83	40	56 04	86	120 49	40	55 43	86	119 18
41	58 08	87	123 25	41	57 45	87	121 90	41	56 82	87	120 57
42	59 50	88	124 67	42	58 85	88	123 30	42	58 21	88	121 96
43	60 92	89	126 08	43	60 25	89	124 70	43	59 59	89	123 34
44	62 33	90	127 50	44	61 65	90	126 10	44	60 98	90	124 73
45	63 75			45	63 05	91	127 50	45	62 36	91	126 11
46	65 17			46	64 45			46	63 75	92	127 50

TABLES OF KEEPERS' SALARIES.

\$500 PER ANNUM—\$125 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 39	47	\$65 28	1	\$1 37	47	\$64 56	1	\$1 36	47	\$63 86
2	2 78	48	66 67	2	2 75	48	65 93	2	2 72	48	65 22
3	4 17	49	68 06	3	4 12	49	67 31	3	4 08	49	66 58
4	5 56	50	69 44	4	5 49	50	68 68	4	5 43	50	67 93
5	6 94	51	70 83	5	6 87	51	70 05	5	6 79	51	69 29
6	8 33	52	72 22	6	8 24	52	71 43	6	8 15	52	70 65
7	9 72	53	73 61	7	9 62	53	72 80	7	9 51	53	72 01
8	11 11	54	75 00	8	10 99	54	74 18	8	10 87	54	73 37
9	12 50	55	76 39	9	12 36	55	75 55	9	12 23	55	74 73
10	13 89	56	77 78	10	13 74	56	76 92	10	13 59	56	76 09
11	15 28	57	79 17	11	15 11	57	78 30	11	14 95	57	77 45
12	16 67	58	80 56	12	16 48	58	79 67	12	16 30	58	78 80
13	18 06	59	81 94	13	17 86	59	81 04	13	17 66	59	80 16
14	19 44	60	83 33	14	19 23	60	82 42	14	19 02	60	81 52
15	20 83	61	84 72	15	20 60	61	83 79	15	20 38	61	82 88
16	22 22	62	86 11	16	21 98	62	85 16	16	21 74	62	84 24
17	23 61	63	87 50	17	23 35	63	86 54	17	23 10	63	85 60
18	25 00	64	88 89	18	24 73	64	87 91	18	24 46	64	86 96
19	26 39	65	90 28	19	26 10	65	89 29	19	25 82	65	88 32
20	27 78	66	91 67	20	27 47	66	90 66	20	27 17	66	89 67
21	29 17	67	93 06	21	28 85	67	92 03	21	28 53	67	91 03
22	30 56	68	94 44	22	30 22	68	93 41	22	29 89	68	92 39
23	31 94	69	95 83	23	31 59	69	94 78	23	31 25	69	93 75
24	33 33	70	97 22	24	32 97	70	96 15	24	32 61	70	95 11
25	34 72	71	98 61	25	34 34	71	97 53	25	33 97	71	96 47
26	36 11	72	100 00	26	35 71	72	98 90	26	35 33	72	97 83
27	37 50	73	101 39	27	37 09	73	100 27	27	36 68	73	99 18
28	38 89	74	102 78	28	38 46	74	101 65	28	38 04	74	100 54
29	40 28	75	104 17	29	39 83	75	103 02	29	39 40	75	101 90
30	41 67	76	105 56	30	41 21	76	104 40	30	40 76	76	103 26
31	43 06	77	106 94	31	42 58	77	105 77	31	42 12	77	104 62
32	44 44	78	108 33	32	43 96	78	107 14	32	43 48	78	105 98
33	45 83	79	109 72	33	45 33	79	108 52	33	44 84	79	107 34
34	47 22	80	111 11	34	46 70	80	109 89	34	46 20	80	108 70
35	48 61	81	112 50	35	48 08	81	111 26	35	47 55	81	110 05
36	50 00	82	113 89	36	49 45	82	112 64	36	48 91	82	111 41
37	51 39	83	115 28	37	50 82	83	114 01	37	50 27	83	112 77
38	52 78	84	116 67	38	52 20	84	115 38	38	51 63	84	114 13
39	54 17	85	118 06	39	53 57	85	116 76	39	52 99	85	115 49
40	55 56	86	119 44	40	54 95	86	118 13	40	54 35	86	116 85
41	56 94	87	120 83	41	56 32	87	119 51	41	55 71	87	118 21
42	58 33	88	122 22	42	57 69	88	120 88	42	57 06	88	119 56
43	59 72	89	123 61	43	59 07	89	122 25	43	58 42	89	120 92
44	61 11	90	125 00	44	60 44	90	123 63	44	59 78	90	122 28
45	62 50			45	61 81	91	125 00	45	61 14	91	123 64
46	63 89			46	63 19			46	62 50	92	125 00

TABLES OF KEEPERS' SALARIES.

\$490 PER ANNUM—\$122.50 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 36	47	\$63 97	1	\$1 35	47	\$63 27	1	\$1 33	47	\$62 58
2	2 72	48	65 33	2	2 69	48	64 62	2	2 66	48	63 91
3	4 08	49	66 69	3	4 04	49	65 96	3	3 99	49	65 24
4	5 44	50	68 06	4	5 38	50	67 31	4	5 33	50	66 58
5	6 81	51	69 42	5	6 73	51	68 65	5	6 66	51	67 91
6	8 17	52	70 78	6	8 08	52	70 00	6	7 99	52	69 24
7	9 53	53	72 14	7	9 42	53	71 35	7	9 32	53	70 57
8	10 89	54	73 50	8	10 77	54	72 69	8	10 65	54	71 90
9	12 25	55	74 86	9	12 12	55	74 04	9	11 98	55	73 23
10	13 61	56	76 22	10	13 46	56	75 38	10	13 31	56	74 56
11	14 97	57	77 58	11	14 81	57	76 73	11	14 65	57	75 90
12	16 33	58	78 94	12	16 15	58	78 08	12	15 98	58	77 23
13	17 69	59	80 31	13	17 50	59	79 42	13	17 31	59	78 56
14	19 06	60	81 67	14	18 85	60	80 77	14	18 64	60	79 89
15	20 42	61	83 03	15	20 19	61	82 12	15	19 97	61	81 22
16	21 78	62	84 39	16	21 54	62	83 46	16	21 30	62	82 55
17	23 14	63	85 75	17	22 88	63	84 81	17	22 64	63	83 89
18	24 50	64	87 11	18	24 23	64	86 15	18	23 97	64	85 22
19	25 86	65	88 47	19	25 58	65	87 50	19	25 30	65	86 55
20	27 22	66	89 83	20	26 92	66	88 85	20	26 63	66	87 88
21	28 58	67	91 19	21	28 27	67	90 19	21	27 96	67	89 21
22	29 94	68	92 56	22	29 62	68	91 54	22	29 29	68	90 54
23	31 31	69	93 92	23	30 96	69	92 88	23	30 62	69	91 87
24	32 67	70	95 28	24	32 31	70	94 23	24	31 96	70	93 21
25	34 03	71	96 64	25	33 65	71	95 58	25	33 29	71	94 54
26	35 39	72	98 00	26	35 00	72	96 92	26	34 62	72	95 87
27	36 75	73	99 36	27	36 35	73	98 27	27	35 95	73	97 20
28	38 11	74	100 72	28	37 69	74	99 62	28	37 28	74	98 53
29	39 47	75	102 08	29	39 04	75	100 96	29	38 61	75	99 86
30	40 83	76	103 44	30	40 38	76	102 31	30	39 95	76	101 20
31	42 19	77	104 81	31	41 73	77	103 65	31	41 28	77	102 53
32	43 56	78	106 17	32	43 08	78	105 00	32	42 61	78	103 86
33	44 92	79	107 53	33	44 42	79	106 35	33	43 94	79	105 19
34	46 28	80	108 89	34	45 77	80	107 69	34	45 27	80	106 52
35	47 64	81	110 25	35	47 12	81	109 04	35	46 60	81	107 85
36	49 00	82	111 61	36	48 46	82	110 38	36	47 93	82	109 18
37	50 36	83	112 97	37	49 81	83	111 73	37	49 27	83	110 52
38	51 72	84	114 33	38	51 15	84	113 08	38	50 60	84	111 85
39	53 08	85	115 69	39	52 50	85	114 42	39	51 93	85	113 18
40	54 44	86	117 06	40	53 85	86	115 77	40	53 26	86	114 51
41	55 81	87	118 42	41	55 19	87	117 12	41	54 59	87	115 84
42	57 17	88	119 78	42	56 54	88	118 46	42	55 92	88	117 17
43	58 53	89	121 14	43	57 88	89	119 81	43	57 25	89	118 50
44	59 89	90	122 50	44	59 23	90	121 15	44	58 59	90	119 84
45	61 25			45	60 58	91	122 50	45	59 92	91	121 17
46	62 61			46	61 92			46	61 25	92	122 50

TABLES OF KEEPERS' SALARIES.

\$480 PER ANNUM—\$120 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 33	47	\$62 67	1	\$1 32	47	\$61 98	1	\$1 30	47	\$61 30
2	2 67	48	64 00	2	2 64	48	63 30	2	2 61	48	62 61
3	4 00	49	65 33	3	3 96	49	64 62	3	3 91	49	63 91
4	5 33	50	66 67	4	5 27	50	65 93	4	5 22	50	65 22
5	6 67	51	68 00	5	6 59	51	67 25	5	6 52	51	66 52
6	8 00	52	69 33	6	7 91	52	68 57	6	7 83	52	67 83
7	9 33	53	70 67	7	9 23	53	69 89	7	9 13	53	69 13
8	10 67	54	72 00	8	10 55	54	71 21	8	10 43	54	70 43
9	12 00	55	73 33	9	11 87	55	72 53	9	11 74	55	71 74
10	13 33	56	74 67	10	13 19	56	73 85	10	13 04	56	73 04
11	14 67	57	76 00	11	14 51	57	75 16	11	14 35	57	74 35
12	16 00	58	77 33	12	15 82	58	76 48	12	15 65	58	75 65
13	17 33	59	78 67	13	17 14	59	77 80	13	16 96	59	76 96
14	18 67	60	80 00	14	18 46	60	79 12	14	18 26	60	78 26
15	20 00	61	81 33	15	19 78	61	80 44	15	19 57	61	79 57
16	21 33	62	82 67	16	21 10	62	81 76	16	20 87	62	80 87
17	22 67	63	84 00	17	22 42	63	83 08	17	22 17	63	82 17
18	24 00	64	85 33	18	23 74	64	84 40	18	23 48	64	83 48
19	25 33	65	86 67	19	25 05	65	85 71	19	24 78	65	84 78
20	26 67	66	88 00	20	26 37	66	87 03	20	26 09	66	86 09
21	28 00	67	89 33	21	27 69	67	88 35	21	27 39	67	87 39
22	29 33	68	90 67	22	29 01	68	89 67	22	28 70	68	88 70
23	30 67	69	92 00	23	30 33	69	90 99	23	30 00	69	90 00
24	32 00	70	93 33	24	31 65	70	92 31	24	31 30	70	91 30
25	33 33	71	94 67	25	32 97	71	93 63	25	32 61	71	92 61
26	34 67	72	96 00	26	34 29	72	94 95	26	33 91	72	93 91
27	36 00	73	97 33	27	35 60	73	96 26	27	35 22	73	95 22
28	37 33	74	98 67	28	36 92	74	97 58	28	36 52	74	96 52
29	38 67	75	100 00	29	38 24	75	98 90	29	37 83	75	97 83
30	40 00	76	101 33	30	39 56	76	100 22	30	39 13	76	99 13
31	41 33	77	102 67	31	40 88	77	101 54	31	40 43	77	100 43
32	42 67	78	104 00	32	42 20	78	102 86	32	41 74	78	101 74
33	44 00	79	105 33	33	43 52	79	104 18	33	43 04	79	103 04
34	45 33	80	106 67	34	44 84	80	105 49	34	44 35	80	104 35
35	46 67	81	108 00	35	46 15	81	106 81	35	45 65	81	105 65
36	48 00	82	109 33	36	47 47	82	108 13	36	46 96	82	106 96
37	49 33	83	110 67	37	48 79	83	109 45	37	48 26	83	108 26
38	50 67	84	112 00	38	50 11	84	110 77	38	49 57	84	109 57
39	52 00	85	113 33	39	51 43	85	112 09	39	50 87	85	110 87
40	53 33	86	114 67	40	52 75	86	113 41	40	52 17	86	112 17
41	54 67	87	116 00	41	54 07	87	114 73	41	53 48	87	113 48
42	56 00	88	117 33	42	55 38	88	116 04	42	54 78	88	114 78
43	57 33	89	118 67	43	56 70	89	117 36	43	56 09	89	116 09
44	58 67	90	120 00	44	58 02	90	118 68	44	57 39	90	117 39
45	60 00			45	59 34	91	120 00	45	58 70	91	118 70
46	61 33			46	60 66			46	60 00	92	120 00

TABLES OF KEEPERS' SALARIES.

\$475 PER ANNUM—\$118.75 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 32	47	\$62 01	1	\$1 30	47	\$61 33	1	\$1 29	47	\$60 67
2	2 64	48	63 33	2	2 61	48	62 64	2	2 58	48	61 96
3	3 96	49	64 65	3	3 91	49	63 94	3	3 87	49	63 25
4	5 28	50	65 97	4	5 22	50	65 25	4	5 16	50	64 54
5	6 60	51	67 29	5	6 52	51	66 55	5	6 45	51	65 83
6	7 92	52	68 61	6	7 83	52	67 86	6	7 74	52	67 12
7	9 24	53	69 93	7	9 13	53	69 16	7	9 04	53	68 41
8	10 56	54	71 25	8	10 44	54	70 47	8	10 33	54	69 70
9	11 87	55	72 57	9	11 74	55	71 77	9	11 62	55	70 99
10	13 19	56	73 89	10	13 05	56	73 08	10	12 91	56	72 28
11	14 51	57	75 21	11	14 35	57	74 38	11	14 20	57	73 57
12	15 83	58	76 53	12	15 66	58	75 69	12	15 49	58	74 86
13	17 15	59	77 85	13	16 96	59	76 99	13	16 78	59	76 15
14	18 47	60	79 17	14	18 27	60	78 30	14	18 07	60	77 45
15	19 79	61	80 49	15	19 57	61	79 60	15	19 36	61	78 74
16	21 11	62	81 81	16	20 88	62	80 91	16	20 65	62	80 03
17	22 43	63	83 13	17	22 18	63	82 21	17	21 94	63	81 32
18	23 75	64	84 44	18	23 49	64	83 52	18	23 23	64	82 61
19	25 07	65	85 76	19	24 79	65	84 82	19	24 52	65	83 90
20	26 39	66	87 08	20	26 10	66	86 13	20	25 82	66	85 19
21	27 71	67	88 40	21	27 40	67	87 43	21	27 11	67	86 48
22	29 03	68	89 72	22	28 71	68	88 74	22	28 40	68	87 77
23	30 35	69	91 04	23	30 01	69	90 04	23	29 69	69	89 06
24	31 67	70	92 36	24	31 32	70	91 35	24	30 98	70	90 35
25	32 99	71	93 68	25	32 62	71	92 65	25	32 27	71	91 64
26	34 31	72	95 00	26	33 93	72	93 96	26	33 56	72	92 93
27	35 63	73	96 32	27	35 23	73	95 26	27	34 85	73	94 23
28	36 94	74	97 64	28	36 54	74	96 57	28	36 14	74	95 52
29	38 26	75	98 96	29	37 84	75	97 87	29	37 43	75	96 81
30	39 58	76	100 28	30	39 15	76	99 18	30	38 72	76	98 10
31	40 90	77	101 60	31	40 45	77	100 48	31	40 01	77	99 39
32	42 22	78	102 92	32	41 76	78	101 79	32	41 30	78	100 68
33	43 54	79	104 24	33	43 06	79	103 09	33	42 60	79	101 97
34	44 86	80	105 56	34	44 37	80	104 40	34	43 89	80	103 26
35	46 18	81	106 87	35	45 67	81	105 70	35	45 18	81	104 55
36	47 50	82	108 19	36	46 98	82	107 01	36	46 47	82	105 84
37	48 82	83	109 51	37	48 28	83	108 31	37	47 76	83	107 13
38	50 14	84	110 83	38	49 59	84	109 62	38	49 05	84	108 42
39	51 46	85	112 15	39	50 89	85	110 92	39	50 34	85	109 71
40	52 78	86	113 47	40	52 20	86	112 23	40	51 63	86	111 01
41	54 10	87	114 79	41	53 50	87	113 53	41	52 92	87	112 30
42	55 42	88	116 11	42	54 81	88	114 84	42	54 21	88	113 59
43	56 74	89	117 43	43	56 11	89	116 14	43	55 50	89	114 88
44	58 06	90	118 75	44	57 42	90	117 45	44	56 79	90	116 17
45	59 37			45	58 72	91	118 75	45	58 08	91	117 46
46	60 69			46	60 03			46	59 37	92	118 75

TABLES OF KEEPERS' SALARIES.

\$470 PER ANNUM—\$117.50 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 31	47	\$61 36	1	\$1 29	47	\$60 69	1	\$1 28	47	\$60 03
2	2 61	48	62 67	2	2 58	48	61 98	2	2 55	48	61 30
3	3 92	49	63 97	3	3 87	49	63 27	3	3 83	49	62 58
4	5 22	50	65 28	4	5 16	50	64 56	4	5 11	50	63 86
5	6 53	51	66 58	5	6 46	51	65 85	5	6 39	51	65 14
6	7 83	52	67 89	6	7 75	52	67 14	6	7 66	52	66 41
7	9 14	53	69 19	7	9 04	53	68 43	7	8 94	53	67 69
8	10 44	54	70 50	8	10 33	54	69 73	8	10 22	54	68 97
9	11 75	55	71 81	9	11 62	55	71 02	9	11 49	55	70 24
10	13 06	56	73 11	10	12 91	56	72 31	10	12 77	56	71 52
11	14 36	57	74 42	11	14 20	57	73 60	11	14 05	57	72 80
12	15 67	58	75 72	12	15 49	58	74 89	12	15 33	58	74 08
13	16 98	59	77 03	13	16 79	59	76 18	13	16 60	59	75 35
14	18 28	60	78 33	14	18 08	60	77 47	14	17 88	60	76 63
15	19 58	61	79 64	15	19 37	61	78 76	15	19 16	61	77 91
16	20 89	62	80 94	16	20 66	62	80 05	16	20 43	62	79 18
17	22 19	63	82 25	17	21 95	63	81 35	17	21 71	63	80 46
18	23 50	64	83 56	18	23 24	64	82 64	18	22 99	64	81 74
19	24 81	65	84 86	19	24 53	65	83 93	19	24 27	65	83 02
20	26 11	66	86 17	20	25 82	66	85 22	20	25 54	66	84 29
21	27 42	67	87 47	21	27 12	67	86 51	21	26 82	67	85 57
22	28 72	68	88 78	22	28 41	68	87 80	22	28 10	68	86 85
23	30 03	69	90 08	23	29 70	69	89 09	23	29 37	69	88 12
24	31 33	70	91 39	24	30 99	70	90 38	24	30 65	70	89 40
25	32 64	71	92 69	25	32 28	71	91 68	25	31 93	71	90 68
26	33 94	72	94 00	26	33 57	72	92 97	26	33 21	72	91 96
27	35 25	73	95 31	27	34 86	73	94 26	27	34 48	73	93 23
28	36 56	74	96 61	28	36 15	74	95 55	28	35 76	74	94 51
29	37 86	75	97 92	29	37 45	75	96 84	29	37 04	75	95 79
30	39 17	76	99 22	30	38 74	76	98 13	30	38 32	76	97 07
31	40 47	77	100 53	31	40 03	77	99 42	31	39 59	77	98 34
32	41 78	78	101 83	32	41 32	78	100 71	32	40 87	78	99 62
33	43 08	79	103 14	33	42 61	79	102 01	33	42 15	79	100 90
34	44 39	80	104 44	34	43 90	80	103 30	34	43 42	80	102 17
35	45 69	81	105 75	35	45 19	81	104 59	35	44 70	81	103 45
36	47 00	82	107 06	36	46 48	82	105 88	36	45 98	82	104 73
37	48 31	83	108 36	37	47 77	83	107 17	37	47 26	83	106 01
38	49 61	84	109 67	38	49 07	84	108 46	38	48 53	84	107 28
39	50 92	85	110 97	39	50 36	85	109 75	39	49 81	85	108 56
40	52 22	86	112 28	40	51 65	86	111 04	40	51 09	86	109 84
41	53 53	87	113 58	41	52 94	87	112 34	41	52 36	87	111 11
42	54 83	88	114 89	42	54 23	88	113 63	42	53 64	88	112 39
43	56 14	89	116 19	43	55 52	89	114 92	43	54 92	89	113 67
44	57 44	90	117 50	44	56 81	90	116 21	44	56 20	90	114 95
45	58 75			45	58 10	91	117 50	45	57 47	91	116 22
46	60 06			46	59 40			46	58 75	92	117 50

TABLES OF KEEPERS' SALARIES.

\$465 PER ANNUM—\$116.25 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 29	47	\$60 71	1	\$1 28	47	\$60 04	1	\$1 26	47	\$59 39
2	2 58	48	62 00	2	2 55	48	61 32	2	2 53	48	60 65
3	3 87	49	63 29	3	3 83	49	62 60	3	3 79	49	61 92
4	5 17	50	64 58	4	5 11	50	63 87	4	5 05	50	63 18
5	6 46	51	65 87	5	6 39	51	65 16	5	6 32	51	64 44
6	7 75	52	67 17	6	7 66	52	66 43	6	7 58	52	65 71
7	9 04	53	68 46	7	8 94	53	67 71	7	8 85	53	66 97
8	10 33	54	69 75	8	10 22	54	68 98	8	10 11	54	68 23
9	11 62	55	71 04	9	11 50	55	70 26	9	11 37	55	69 50
10	12 92	56	72 33	10	12 77	56	71 54	10	12 64	56	70 76
11	14 21	57	73 62	11	14 05	57	72 82	11	13 90	57	72 02
12	15 50	58	74 92	12	15 33	58	74 09	12	15 16	58	73 29
13	16 79	59	76 21	13	16 61	59	75 37	13	16 43	59	74 55
14	18 08	60	77 50	14	17 88	60	76 65	14	17 69	60	75 82
15	19 37	61	78 79	15	19 16	61	77 93	15	18 95	61	77 08
16	20 67	62	80 08	16	20 44	62	79 20	16	20 22	62	78 34
17	21 96	63	81 37	17	21 72	63	80 48	17	21 48	63	79 61
18	23 25	64	82 67	18	22 99	64	81 76	18	22 74	64	80 87
19	24 54	65	83 96	19	24 27	65	83 04	19	24 01	65	82 13
20	25 83	66	85 25	20	25 55	66	84 31	20	25 27	66	83 40
21	27 12	67	86 54	21	26 83	67	85 59	21	26 54	67	84 66
22	28 42	68	87 83	22	28 10	68	86 87	22	27 80	68	85 92
23	29 71	69	89 12	23	29 38	69	88 15	23	29 06	69	87 19
24	31 00	70	90 42	24	30 66	70	89 42	24	30 33	70	88 45
25	32 29	71	91 71	25	31 94	71	90 70	25	31 59	71	89 71
26	33 58	72	93 00	26	33 21	72	91 98	26	32 85	72	90 98
27	34 87	73	94 29	27	34 49	73	93 26	27	34 12	73	92 24
28	36 17	74	95 58	28	35 77	74	94 53	28	35 38	74	93 51
29	37 46	75	96 87	29	37 05	75	95 81	29	36 64	75	94 77
30	38 75	76	98 17	30	38 32	76	97 09	30	37 91	76	96 03
31	40 04	77	99 46	31	39 60	77	98 37	31	39 17	77	97 30
32	41 33	78	100 75	32	40 88	78	99 64	32	40 43	78	98 56
33	42 62	79	102 04	33	42 16	79	100 92	33	41 70	79	99 82
34	43 92	80	103 33	34	43 43	80	102 20	34	42 96	80	101 09
35	45 21	81	104 62	35	44 71	81	103 48	35	44 23	81	102 35
36	46 50	82	105 92	36	45 99	82	104 75	36	45 49	82	103 61
37	47 79	83	107 21	37	47 27	83	106 03	37	46 75	83	104 88
38	49 08	84	108 50	38	48 54	84	107 31	38	48 02	84	106 14
39	50 37	85	109 79	39	49 82	85	108 59	39	49 28	85	107 40
40	51 67	86	111 08	40	51 10	86	109 86	40	50 54	86	108 67
41	52 96	87	112 37	41	52 38	87	111 14	41	51 81	87	109 93
42	54 25	88	113 67	42	53 65	88	112 42	42	53 07	88	111 20
43	55 54	89	114 96	43	54 93	89	113 70	43	54 33	89	112 46
44	56 83	90	116 25	44	56 21	90	114 97	44	55 60	90	113 72
45	58 12			45	57 49	91	116 25	45	56 86	91	114 99
46	59 42			46	58 76			46	58 12	92	116 25

TABLES OF KEEPERS' SALARIES.

\$460 PER ANNUM—\$115 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 28	47	\$60 06	1	\$1 26	47	\$59 40	1	\$1 25	47	\$58 75
2	2 56	48	61 33	2	2 53	48	60 66	2	2 50	48	60 00
3	3 83	49	62 61	3	3 79	49	61 92	3	3 75	49	61 25
4	5 11	50	63 89	4	5 05	50	63 19	4	5 00	50	62 50
5	6 39	51	65 17	5	6 32	51	64 45	5	6 25	51	63 75
6	7 67	52	66 44	6	7 58	52	65 71	6	7 50	52	65 00
7	8 94	53	67 72	7	8 85	53	66 98	7	8 75	53	66 25
8	10 22	54	69 00	8	10 11	54	68 24	8	10 00	54	67 50
9	11 50	55	70 28	9	11 37	55	69 51	9	11 25	55	68 75
10	12 78	56	71 56	10	12 64	56	70 77	10	12 50	56	70 00
11	14 06	57	72 83	11	13 90	57	72 03	11	13 75	57	71 25
12	15 33	58	74 11	12	15 16	58	73 30	12	15 00	58	72 50
13	16 61	59	75 39	13	16 43	59	74 56	13	16 25	59	73 75
14	17 89	60	76 67	14	17 69	60	75 82	14	17 50	60	75 00
15	19 17	61	77 94	15	18 96	61	77 09	15	18 75	61	76 25
16	20 44	62	79 22	16	20 22	62	78 35	16	20 00	62	77 50
17	21 72	63	80 50	17	21 48	63	79 62	17	21 25	63	78 75
18	23 00	64	81 78	18	22 75	64	80 88	18	22 50	64	80 00
19	24 28	65	83 06	19	24 01	65	82 14	19	23 75	65	81 25
20	25 56	66	84 33	20	25 27	66	83 41	20	25 00	66	82 50
21	26 83	67	85 61	21	26 54	67	84 67	21	26 25	67	83 75
22	28 11	68	86 89	22	27 80	68	85 93	22	27 50	68	85 00
23	29 39	69	88 17	23	29 07	69	87 20	23	28 75	69	86 25
24	30 67	70	89 44	24	30 33	70	88 46	24	30 00	70	87 50
25	31 94	71	90 72	25	31 59	71	89 73	25	31 25	71	88 75
26	33 22	72	92 00	26	32 86	72	90 99	26	32 50	72	90 00
27	34 50	73	93 28	27	34 12	73	92 25	27	33 75	73	91 25
28	35 78	74	94 56	28	35 38	74	93 52	28	35 00	74	92 50
29	37 06	75	95 83	29	36 65	75	94 78	29	36 25	75	93 75
30	38 33	76	97 11	30	37 91	76	96 04	30	37 50	76	95 00
31	39 61	77	98 39	31	39 18	77	97 31	31	38 75	77	96 25
32	40 89	78	99 67	32	40 44	78	98 57	32	40 00	78	97 50
33	42 17	79	100 94	33	41 70	79	99 84	33	41 25	79	98 75
34	43 44	80	102 22	34	42 97	80	101 10	34	42 50	80	100 00
35	44 72	81	103 50	35	44 23	81	102 36	35	43 75	81	101 25
36	46 00	82	104 78	36	45 49	82	103 63	36	45 00	82	102 50
37	47 28	83	106 06	37	46 76	83	104 89	37	46 25	83	103 75
38	48 56	84	107 33	38	48 02	84	106 15	38	47 50	84	105 00
39	49 83	85	108 61	39	49 29	85	107 42	39	48 75	85	106 25
40	51 11	86	109 89	40	50 55	86	108 68	40	50 00	86	107 50
41	52 39	87	111 17	41	51 81	87	109 95	41	51 25	87	108 75
42	53 67	88	112 44	42	53 08	88	111 21	42	52 50	88	110 00
43	54 94	89	113 72	43	54 34	89	112 47	43	53 75	89	111 25
44	56 22	90	115 00	44	55 60	90	113 74	44	55 00	90	112 50
45	57 50			45	56 87	91	115 00	45	56 25	91	113 75
46	58 78			46	58 13			46	57 50	92	115 00

TABLES OF KEEPERS' SALARIES.

\$455 PER ANNUM—\$113.75 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 26	47	\$59 40	1	\$1 25	47	\$58 75	1	\$1 24	47	\$58 11
2	2 53	48	60 67	2	2 50	48	60 00	2	2 47	48	59 35
3	3 79	49	61 93	3	3 75	49	61 25	3	3 71	49	60 58
4	5 06	50	63 19	4	5 00	50	62 50	4	4 95	50	61 82
5	6 32	51	64 46	5	6 25	51	63 75	5	6 18	51	63 06
6	7 58	52	65 72	6	7 50	52	65 00	6	7 42	52	64 29
7	8 85	53	66 99	7	8 75	53	66 25	7	8 65	53	65 53
8	10 11	54	68 25	8	10 00	54	67 50	8	9 89	54	66 77
9	11 37	55	69 51	9	11 25	55	68 75	9	11 13	55	68 00
10	12 64	56	70 78	10	12 50	56	70 00	10	12 36	56	69 24
11	13 90	57	72 04	11	13 75	57	71 25	11	13 60	57	70 48
12	15 17	58	73 31	12	15 00	58	72 50	12	14 84	58	71 71
13	16 43	59	74 57	13	16 25	59	73 75	13	16 07	59	72 95
14	17 69	60	75 83	14	17 50	60	75 00	14	17 31	60	74 18
15	18 96	61	77 10	15	18 75	61	76 25	15	18 55	61	75 42
16	20 22	62	78 36	16	20 00	62	77 50	16	19 78	62	76 66
17	21 49	63	79 62	17	21 25	63	78 75	17	21 02	63	77 89
18	22 75	64	80 89	18	22 50	64	80 00	18	22 26	64	79 13
19	24 01	65	82 15	19	23 75	65	81 25	19	23 49	65	80 37
20	25 28	66	83 42	20	25 00	66	82 50	20	24 73	66	81 60
21	26 54	67	84 68	21	26 25	67	83 75	21	25 96	67	82 84
22	27 81	68	85 94	22	27 50	68	85 00	22	27 20	68	84 08
23	29 07	69	87 21	23	28 75	69	86 25	23	28 44	69	85 31
24	30 33	70	88 47	24	30 00	70	87 50	24	29 67	70	86 55
25	31 60	71	89 74	25	31 25	71	88 75	25	30 91	71	87 79
26	32 86	72	91 00	26	32 50	72	90 00	26	32 15	72	89 02
27	34 12	73	92 26	27	33 75	73	91 25	27	33 38	73	90 26
28	35 39	74	93 53	28	35 00	74	92 50	28	34 62	74	91 49
29	36 65	75	94 79	29	36 25	75	93 75	29	35 86	75	92 73
30	37 92	76	96 06	30	37 50	76	95 00	30	37 09	76	93 97
31	39 18	77	97 32	31	38 75	77	96 25	31	38 33	77	95 20
32	40 44	78	98 58	32	40 00	78	97 50	32	39 57	78	96 44
33	41 71	79	99 85	33	41 25	79	98 75	33	40 80	79	97 68
34	42 97	80	101 11	34	42 50	80	100 00	34	42 04	80	98 91
35	44 24	81	102 37	35	43 75	81	101 25	35	43 27	81	100 15
36	45 50	82	103 64	36	45 00	82	102 50	36	44 51	82	101 39
37	46 76	83	104 90	37	46 25	83	103 75	37	45 75	83	102 62
38	48 03	84	106 17	38	47 50	84	105 00	38	46 98	84	103 86
39	49 29	85	107 43	39	48 75	85	106 25	39	48 22	85	105 10
40	50 56	86	108 69	40	50 00	86	107 50	40	49 46	86	106 33
41	51 82	87	109 96	41	51 25	87	108 75	41	50 69	87	107 57
42	53 08	88	111 22	42	52 50	88	110 00	42	51 93	88	108 80
43	54 35	89	112 49	43	53 75	89	111 25	43	53 17	89	110 04
44	55 61	90	113 75	44	55 00	90	112 50	44	54 40	90	111 28
45	56 87			45	56 25	91	113 75	45	55 64	91	112 51
46	58 14			46	57 50			46	56 87	92	113 75

TABLES OF KEEPERS' SALARIES.

\$450 PER ANNUM—\$112.50 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 25	47	\$58 75	1	\$1 24	47	\$58 10	1	\$1 22	47	\$57 47
2	2 50	48	60 00	2	2 47	48	59 34	2	2 45	48	58 70
3	3 75	49	61 25	3	3 71	49	60 58	3	3 67	49	59 92
4	5 00	50	62 50	4	4 95	50	61 81	4	4 89	50	61 14
5	6 25	51	63 75	5	6 18	51	63 04	5	6 11	51	62 36
6	7 50	52	65 00	6	7 42	52	64 29	6	7 34	52	63 59
7	8 75	53	66 25	7	8 65	53	65 52	7	8 56	53	64 81
8	10 00	54	67 50	8	9 89	54	66 76	8	9 78	54	66 03
9	11 25	55	68 75	9	11 13	55	67 99	9	11 01	55	67 26
10	12 50	56	70 00	10	12 36	56	69 23	10	12 23	56	68 48
11	13 75	57	71 25	11	13 60	57	70 47	11	13 45	57	69 70
12	15 00	58	72 50	12	14 84	58	71 70	12	14 67	58	70 92
13	16 25	59	73 75	13	16 07	59	72 94	13	15 90	59	72 15
14	17 50	60	75 00	14	17 31	60	74 18	14	17 12	60	73 37
15	18 75	61	76 25	15	18 54	61	75 41	15	18 34	61	74 59
16	20 00	62	77 50	16	19 78	62	76 65	16	19 57	62	75 82
17	21 25	63	78 75	17	21 02	63	77 88	17	20 79	63	77 04
18	22 50	64	80 00	18	22 25	64	79 12	18	22 01	64	78 26
19	23 75	65	81 25	19	23 49	65	80 36	19	23 23	65	79 48
20	25 00	66	82 50	20	24 73	66	81 59	20	24 46	66	80 71
21	26 25	67	83 75	21	25 96	67	82 83	21	25 68	67	81 93
22	27 50	68	85 00	22	27 20	68	84 07	22	26 90	68	83 15
23	28 75	69	86 25	23	28 43	69	85 30	23	28 12	69	84 37
24	30 00	70	87 50	24	29 67	70	86 54	24	29 35	70	85 60
25	31 25	71	88 75	25	30 91	71	87 77	25	30 57	71	86 82
26	32 50	72	90 00	26	32 14	72	89 01	26	31 79	72	88 04
27	33 75	73	91 25	27	33 38	73	90 25	27	33 02	73	89 27
28	35 00	74	92 50	28	34 62	74	91 48	28	34 24	74	90 49
29	36 25	75	93 75	29	35 85	75	92 72	29	35 46	75	91 71
30	37 50	76	95 00	30	37 09	76	93 96	30	36 68	76	92 93
31	38 75	77	96 25	31	38 32	77	95 19	31	37 91	77	94 16
32	40 00	78	97 50	32	39 56	78	96 43	32	39 13	78	95 38
33	41 25	79	98 75	33	40 80	79	97 66	33	40 35	79	96 60
34	42 50	80	100 00	34	42 03	80	98 90	34	41 58	80	97 83
35	43 75	81	101 25	35	43 27	81	100 14	35	42 80	81	99 05
36	45 00	82	102 50	36	44 51	82	101 37	36	44 02	82	100 27
37	46 25	83	103 75	37	45 74	83	102 61	37	45 24	83	101 49
38	47 50	84	105 00	38	46 98	84	103 85	38	46 47	84	102 72
39	48 75	85	106 25	39	48 21	85	105 08	39	47 69	85	103 94
40	50 00	86	107 50	40	49 45	86	106 32	40	48 91	86	105 16
41	51 25	87	108 75	41	50 69	87	107 55	41	50 14	87	106 39
42	52 50	88	110 00	42	51 92	88	108 79	42	51 36	88	107 61
43	53 75	89	111 25	43	53 16	89	110 03	43	52 58	89	108 83
44	55 00	90	112 50	44	54 40	90	111 26	44	53 80	90	110 05
45	56 25			45	55 63	91	112 50	45	55 03	91	111 28
46	57 50			46	56 87			46	56 25	92	112 50

TABLES OF KEEPERS' SALARIES.

\$445 PER ANNUM—\$111.25 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 24	47	\$58 10	1	\$1 22	47	\$57 46	1	\$1 21	47	\$56 83
2	2 47	48	59 33	2	2 45	48	58 68	2	2 42	48	58 04
3	3 71	49	60 57	3	3 67	49	59 90	3	3 63	49	59 25
4	4 94	50	61 81	4	4 89	50	61 13	4	4 84	50	60 46
5	6 18	51	63 04	5	6 11	51	62 35	5	6 05	51	61 67
6	7 42	52	64 28	6	7 34	52	63 57	6	7 26	52	62 88
7	8 65	53	65 51	7	8 56	53	64 79	7	8 46	53	64 09
8	9 89	54	66 75	8	9 78	54	66 02	8	9 67	54	65 30
9	11 12	55	67 99	9	11 00	55	67 24	9	10 88	55	66 51
10	12 36	56	69 22	10	12 23	56	68 46	10	12 09	56	67 72
11	13 60	57	70 46	11	13 45	57	69 68	11	13 30	57	68 93
12	14 83	58	71 69	12	14 67	58	70 91	12	14 51	58	70 14
13	16 07	59	72 93	13	15 89	59	72 13	13	15 72	59	71 35
14	17 31	60	74 17	14	17 12	60	73 35	14	16 93	60	72 55
15	18 54	61	75 40	15	18 34	61	74 57	15	18 14	61	73 76
16	19 78	62	76 64	16	19 56	62	75 80	16	19 35	62	74 97
17	21 01	63	77 87	17	20 78	63	77 02	17	20 56	63	76 18
18	22 25	64	79 11	18	22 01	64	78 24	18	21 77	64	77 39
19	23 49	65	80 35	19	23 23	65	79 46	19	22 98	65	78 60
20	24 72	66	81 58	20	24 45	66	80 69	20	24 18	66	79 81
21	25 96	67	82 82	21	25 67	67	81 91	21	25 39	67	81 02
22	27 19	68	84 06	22	26 90	68	83 13	22	26 60	68	82 23
23	28 43	69	85 29	23	28 12	69	84 35	23	27 81	69	83 44
24	29 67	70	86 53	24	29 34	70	85 58	24	29 02	70	84 65
25	30 90	71	87 76	25	30 56	71	86 80	25	30 23	71	85 86
26	32 14	72	89 00	26	31 79	72	88 02	26	31 44	72	87 07
27	33 37	73	90 24	27	33 01	73	89 24	27	32 65	73	88 27
28	34 61	74	91 47	28	34 23	74	90 46	28	33 86	74	89 48
29	35 85	75	92 71	29	35 45	75	91 69	29	35 07	75	90 69
30	37 08	76	93 94	30	36 68	76	92 91	30	36 28	76	91 90
31	38 32	77	95 18	31	37 90	77	94 13	31	37 49	77	93 11
32	39 56	78	96 42	32	39 12	78	95 36	32	38 70	78	94 32
33	40 79	79	97 65	33	40 34	79	96 58	33	39 90	79	95 53
34	42 03	80	98 89	34	41 57	80	97 80	34	41 11	80	96 74
35	43 26	81	100 12	35	42 79	81	99 02	35	42 32	81	97 95
36	44 50	82	101 36	36	44 01	82	100 25	36	43 53	82	99 16
37	45 74	83	102 60	37	45 23	83	101 47	37	44 74	83	100 37
38	46 97	84	103 83	38	46 46	84	102 69	38	45 95	84	101 58
39	48 21	85	105 07	39	47 68	85	103 91	39	47 16	85	102 79
40	49 44	86	106 31	40	48 90	86	105 14	40	48 37	86	103 99
41	50 68	87	107 54	41	50 12	87	106 37	41	49 58	87	105 20
42	51 92	88	108 78	42	51 35	88	107 58	42	50 79	88	106 41
43	53 15	89	110 01	43	52 57	89	108 80	43	52 00	89	107 62
44	54 39	90	111 25	44	53 79	90	110 03	44	53 21	90	108 83
45	55 62			45	55 01	91	111 25	45	54 42	91	110 04
46	56 86			46	56 24			46	55 62	92	111 25

TABLES OF KEEPERS' SALARIES.

\$440 PER ANNUM—\$110 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 22	47	\$57 44	1	\$1 21	47	\$56 81	1	\$1 20	47	\$56 20
2	2 44	48	58 67	2	2 42	48	58 02	2	2 39	48	57 39
3	3 67	49	59 89	3	3 63	49	59 23	3	3 59	49	58 59
4	4 89	50	61 11	4	4 84	50	60 44	4	4 78	50	59 78
5	6 11	51	62 33	5	6 04	51	61 65	5	5 98	51	60 98
6	7 33	52	63 56	6	7 25	52	62 86	6	7 17	52	62 17
7	8 56	53	64 78	7	8 46	53	64 07	7	8 37	53	63 37
8	9 78	54	66 00	8	9 67	54	65 27	8	9 57	54	64 57
9	11 00	55	67 22	9	10 88	55	66 48	9	10 76	55	65 76
10	12 22	56	68 44	10	12 09	56	67 69	10	11 96	56	66 96
11	13 44	57	69 67	11	13 30	57	68 90	11	13 15	57	68 15
12	14 67	58	70 89	12	14 51	58	70 11	12	14 35	58	69 35
13	15 89	59	72 11	13	15 71	59	71 32	13	15 54	59	70 54
14	17 11	60	73 33	14	16 92	60	72 53	14	16 74	60	71 74
15	18 33	61	74 56	15	18 13	61	73 74	15	17 93	61	72 93
16	19 56	62	75 78	16	19 34	62	74 95	16	19 13	62	74 13
17	20 78	63	77 00	17	20 55	63	76 15	17	20 33	63	75 33
18	22 00	64	78 22	18	21 76	64	77 36	18	21 52	64	76 52
19	23 22	65	79 44	19	22 97	65	78 57	19	22 72	65	77 72
20	24 44	66	80 67	20	24 18	66	79 78	20	23 91	66	78 91
21	25 67	67	81 89	21	25 38	67	80 99	21	25 11	67	80 11
22	26 89	68	83 11	22	26 59	68	82 20	22	26 30	68	81 30
23	28 11	69	84 33	23	27 80	69	83 41	23	27 50	69	82 50
24	29 33	70	85 56	24	29 01	70	84 62	24	28 70	70	83 70
25	30 56	71	86 78	25	30 22	71	85 82	25	29 89	71	84 89
26	31 78	72	88 00	26	31 43	72	87 03	26	31 09	72	86 09
27	33 00	73	89 22	27	32 64	73	88 24	27	32 28	73	87 28
28	34 22	74	90 44	28	33 85	74	89 45	28	33 48	74	88 48
29	35 44	75	91 67	29	35 05	75	90 66	29	34 67	75	89 67
30	36 67	76	92 89	30	36 26	76	91 87	30	35 87	76	90 87
31	37 89	77	94 11	31	37 47	77	93 08	31	37 07	77	92 07
32	39 11	78	95 33	32	38 68	78	94 29	32	38 26	78	93 26
33	40 33	79	96 56	33	39 89	79	95 49	33	39 46	79	94 46
34	41 56	80	97 78	34	41 10	80	96 70	34	40 65	80	95 65
35	42 78	81	99 00	35	42 31	81	97 91	35	41 85	81	96 85
36	44 00	82	100 22	36	43 52	82	99 12	36	43 04	82	98 04
37	45 22	83	101 44	37	44 73	83	100 33	37	44 24	83	99 24
38	46 44	84	102 67	38	45 93	84	101 54	38	45 43	84	100 43
39	47 67	85	103 89	39	47 14	85	102 75	39	46 63	85	101 63
40	48 89	86	105 11	40	48 35	86	103 96	40	47 83	86	102 83
41	50 11	87	106 33	41	49 56	87	105 16	41	49 02	87	104 02
42	51 33	88	107 56	42	50 77	88	106 37	42	50 22	88	105 22
43	52 56	89	108 78	43	51 98	89	107 58	43	51 41	89	106 41
44	53 78	90	110 00	44	53 19	90	108 79	44	52 61	90	107 61
45	55 00			45	54 40	91	110 00	45	53 80	91	108 80
46	56 22			46	55 60			46	55 00	92	110 00

TABLES OF KEEPERS' SALARIES.

\$435 PER ANNUM—\$108.75 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 21	47	\$56 79	1	\$1 20	47	\$56 17	1	\$1 18	47	\$55 56
2	2 42	48	58 00	2	2 39	48	57 36	2	2 36	48	56 74
3	3 62	49	59 21	3	3 59	49	58 56	3	3 55	49	57 92
4	4 83	50	60 42	4	4 78	50	59 75	4	4 73	50	59 10
5	6 04	51	61 62	5	5 98	51	60 95	5	5 91	51	60 29
6	7 25	52	62 83	6	7 17	52	62 14	6	7 09	52	61 47
7	8 46	53	64 04	7	8 37	53	63 34	7	8 27	53	62 65
8	9 67	54	65 25	8	9 56	54	64 53	8	9 46	54	63 83
9	10 87	55	66 46	9	10 76	55	65 73	9	10 64	55	65 01
10	12 08	56	67 67	10	11 95	56	66 92	10	11 82	56	66 20
11	13 29	57	68 87	11	13 15	57	68 12	11	13 00	57	67 38
12	14 50	58	70 08	12	14 34	58	69 31	12	14 18	58	68 56
13	15 71	59	71 29	13	15 54	59	70 51	13	15 37	59	69 74
14	16 92	60	72 50	14	16 73	60	71 70	14	16 55	60	70 92
15	18 12	61	73 71	15	17 93	61	72 90	15	17 73	61	72 11
16	19 33	62	74 92	16	19 12	62	74 09	16	18 91	62	73 29
17	20 54	63	76 12	17	20 32	63	75 29	17	20 10	63	74 47
18	21 75	64	77 33	18	21 51	64	76 48	18	21 28	64	75 65
19	22 96	65	78 54	19	22 71	65	77 68	19	22 46	65	76 83
20	24 17	66	79 75	20	23 90	66	78 87	20	23 64	66	78 02
21	25 37	67	80 96	21	25 10	67	80 07	21	24 82	67	79 20
22	26 58	68	82 17	22	26 29	68	81 26	22	26 01	68	80 38
23	27 79	69	83 37	23	27 49	69	82 46	23	27 19	69	81 56
24	29 00	70	84 58	24	28 68	70	83 65	24	28 37	70	82 74
25	30 21	71	85 79	25	29 88	71	84 85	25	29 55	71	83 93
26	31 42	72	87 00	26	31 07	72	86 04	26	30 73	72	85 11
27	32 62	73	88 21	27	32 27	73	87 24	27	31 92	73	86 29
28	33 83	74	89 42	28	33 46	74	88 43	28	33 10	74	87 47
29	35 04	75	90 62	29	34 66	75	89 63	29	34 28	75	88 65
30	36 25	76	91 83	30	35 85	76	90 82	30	35 46	76	89 84
31	37 46	77	93 04	31	37 05	77	92 02	31	36 64	77	91 02
32	38 67	78	94 25	32	38 24	78	93 21	32	37 83	78	92 20
33	39 87	79	95 46	33	39 44	79	94 41	33	39 01	79	93 38
34	41 08	80	96 67	34	40 63	80	95 60	34	40 19	80	94 57
35	42 29	81	97 87	35	41 83	81	96 80	35	41 37	81	95 75
36	43 50	82	99 08	36	43 02	82	97 99	36	42 55	82	96 93
37	44 71	83	100 29	37	44 22	83	99 19	37	43 74	83	98 11
38	45 92	84	101 50	38	45 41	84	100 38	38	44 92	84	99 29
39	47 12	85	102 71	39	46 61	85	101 58	39	46 10	85	100 48
40	48 33	86	103 92	40	47 80	86	102 77	40	47 28	86	101 66
41	49 54	87	105 12	41	49 00	87	103 97	41	48 46	87	102 84
42	50 75	88	106 33	42	50 19	88	105 16	42	49 65	88	104 02
43	51 96	89	107 54	43	51 39	89	106 36	43	50 83	89	105 20
44	53 17	90	108 75	44	52 58	90	107 55	44	52 01	90	106 39
45	54 37			45	53 78	91	108 75	45	53 19	91	107 57
46	55 58			46	54 97			46	54 38	92	108 75

TABLES OF KEEPERS' SALARIES.

\$425 PER ANNUM—\$106.25 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 18	47	\$55 49	1	\$1 17	47	\$54 88	1	\$1 15	47	\$54 28
2	2 36	48	56 67	2	2 34	48	56 04	2	2 31	48	55 43
3	3 54	49	57 85	3	3 50	49	57 21	3	3 46	49	56 59
4	4 72	50	59 03	4	4 67	50	58 38	4	4 62	50	57 74
5	5 90	51	60 21	5	5 84	51	59 55	5	5 77	51	58 90
6	7 08	52	61 39	6	7 01	52	60 71	6	6 93	52	60 05
7	8 26	53	62 57	7	8 17	53	61 88	7	8 08	53	61 21
8	9 44	54	63 75	8	9 34	54	63 05	8	9 24	54	62 36
9	10 62	55	64 93	9	10 51	55	64 22	9	10 39	55	63 52
10	11 81	56	66 11	10	11 68	56	65 38	10	11 55	56	64 67
11	12 99	57	67 29	11	12 84	57	66 55	11	12 70	57	65 83
12	14 17	58	68 47	12	14 01	58	67 72	12	13 86	58	66 98
13	15 35	59	69 65	13	15 18	59	68 89	13	15 01	59	68 14
14	16 53	60	70 83	14	16 35	60	70 05	14	16 17	60	69 29
15	17 71	61	72 01	15	17 51	61	71 22	15	17 32	61	70 45
16	18 89	62	73 19	16	18 68	62	72 39	16	18 48	62	71 60
17	20 07	63	74 37	17	19 85	63	73 56	17	19 63	63	72 76
18	21 25	64	75 56	18	21 02	64	74 73	18	20 79	64	73 91
19	22 43	65	76 74	19	22 18	65	75 89	19	21 94	65	75 07
20	23 61	66	77 92	20	23 35	66	77 06	20	23 10	66	76 22
21	24 79	67	79 10	21	24 52	67	78 23	21	24 25	67	77 38
22	25 97	68	80 28	22	25 69	68	79 40	22	25 41	68	78 53
23	27 15	69	81 46	23	26 85	69	80 56	23	26 56	69	79 69
24	28 33	70	82 64	24	28 02	70	81 73	24	27 72	70	80 84
25	29 51	71	83 82	25	29 19	71	82 90	25	28 87	71	82 00
26	30 69	72	85 00	26	30 36	72	84 07	26	30 03	72	83 15
27	31 87	73	86 18	27	31 52	73	85 23	27	31 18	73	84 31
28	33 06	74	87 36	28	32 69	74	86 40	28	32 34	74	85 46
29	34 24	75	88 54	29	33 86	75	87 57	29	33 49	75	86 62
30	35 42	76	89 72	30	35 03	76	88 74	30	34 65	76	87 77
31	36 60	77	90 90	31	36 20	77	89 90	31	35 80	77	88 93
32	37 78	78	92 08	32	37 36	78	91 07	32	36 96	78	90 08
33	38 96	79	93 26	33	38 53	79	92 24	33	38 11	79	91 24
34	40 14	80	94 44	34	39 70	80	93 41	34	39 27	80	92 39
35	41 32	81	95 62	35	40 87	81	94 57	35	40 42	81	93 55
36	42 50	82	96 81	36	42 03	82	95 74	36	41 58	82	94 70
37	43 68	83	97 99	37	43 20	83	96 91	37	42 73	83	95 86
38	44 86	84	99 17	38	44 37	84	98 08	38	43 89	84	97 01
39	46 04	85	100 35	39	45 54	85	99 24	39	45 04	85	98 17
40	47 22	86	101 53	40	46 70	86	100 41	40	46 20	86	99 32
41	48 40	87	102 71	41	47 87	87	101 58	41	47 35	87	100 48
42	49 58	88	103 89	42	49 04	88	102 75	42	48 51	88	101 63
43	50 76	89	105 07	43	50 21	89	103 91	43	49 66	89	102 79
44	51 94	90	106 25	44	51 37	90	105 08	44	50 82	90	103 94
45	53 12			45	52 54	91	106 25	45	51 97	91	105 10
46	54 31			46	53 71			46	53 12	92	106 25

TABLES OF KEEPERS' SALARIES.

\$420 PER ANNUM—\$105 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 17	47	\$54 83	1	\$1 15	47	\$54 23	1	\$1 14	47	\$53 64
2	2 33	48	56 00	2	2 31	48	55 38	2	2 28	48	54 78
3	3 50	49	57 17	3	3 46	49	56 54	3	3 42	49	55 92
4	4 67	50	58 33	4	4 62	50	57 69	4	4 57	50	57 07
5	5 83	51	59 50	5	5 77	51	58 85	5	5 71	51	58 21
6	7 00	52	60 67	6	6 92	52	60 00	6	6 85	52	59 35
7	8 17	53	61 83	7	8 08	53	61 15	7	7 99	53	60 49
8	9 33	54	63 00	8	9 23	54	62 31	8	9 13	54	61 63
9	10 50	55	64 17	9	10 38	55	63 46	9	10 27	55	62 77
10	11 67	56	65 33	10	11 54	56	64 62	10	11 41	56	63 91
11	12 83	57	66 50	11	12 69	57	65 77	11	12 55	57	65 05
12	14 00	58	67 67	12	13 85	58	66 92	12	13 70	58	66 20
13	15 17	59	68 83	13	15 00	59	68 08	13	14 84	59	67 34
14	16 33	60	70 00	14	16 15	60	69 23	14	15 98	60	68 48
15	17 50	61	71 17	15	17 31	61	70 38	15	17 12	61	69 62
16	18 67	62	72 33	16	18 46	62	71 54	16	18 26	62	70 76
17	19 83	63	73 50	17	19 62	63	72 69	17	19 40	63	71 90
18	21 00	64	74 67	18	20 77	64	73 85	18	20 54	64	73 04
19	22 17	65	75 83	19	21 92	65	75 00	19	21 68	65	74 18
20	23 33	66	77 00	20	23 08	66	76 15	20	22 83	66	75 33
21	24 50	67	78 17	21	24 23	67	77 31	21	23 97	67	76 47
22	25 67	68	79 33	22	25 38	68	78 46	22	25 11	68	77 61
23	26 83	69	80 50	23	26 54	69	79 62	23	26 25	69	78 75
24	28 00	70	81 67	24	27 69	70	80 77	24	27 39	70	79 89
25	29 17	71	82 83	25	28 85	71	81 92	25	28 53	71	81 03
26	30 33	72	84 00	26	30 00	72	83 08	26	29 67	72	82 17
27	31 50	73	85 17	27	31 15	73	84 23	27	30 82	73	83 32
28	32 67	74	86 33	28	32 31	74	85 38	28	31 96	74	84 46
29	33 83	75	87 50	29	33 46	75	86 54	29	33 10	75	85 60
30	35 00	76	88 67	30	34 62	76	87 69	30	34 24	76	86 74
31	36 17	77	89 83	31	35 77	77	88 85	31	35 38	77	87 88
32	37 33	78	91 00	32	36 92	78	90 00	32	36 52	78	89 02
33	38 50	79	92 17	33	38 08	79	91 15	33	37 66	79	90 16
34	39 67	80	93 33	34	39 23	80	92 31	34	38 80	80	91 30
35	40 83	81	94 50	35	40 38	81	93 46	35	39 95	81	92 45
36	42 00	82	95 67	36	41 54	82	94 62	36	41 09	82	93 59
37	43 17	83	96 83	37	42 69	83	95 77	37	42 23	83	94 73
38	44 33	84	98 00	38	43 85	84	96 92	38	43 37	84	95 87
39	45 50	85	99 17	39	45 00	85	98 08	39	44 51	85	97 01
40	46 67	86	100 33	40	46 15	86	99 23	40	45 65	86	98 15
41	47 83	87	101 50	41	47 31	87	100 38	41	46 79	87	99 29
42	49 00	88	102 67	42	48 46	88	101 54	42	47 93	88	100 43
43	50 17	89	103 83	43	49 62	89	102 69	43	49 08	89	101 58
44	51 33	90	105 00	44	50 77	90	103 85	44	50 22	90	102 72
45	52 50			45	51 92	91	105 00	45	51 36	91	103 86
46	53 67			46	53 08			46	52 50	92	105 00

TABLES OF KEEPERS' SALARIES.

\$410 PER ANNUM—\$102.50 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 14	47	\$53 53	1	\$1 13	47	\$52 94	1	\$1 11	47	\$52 36
2	2 28	48	54 67	2	2 25	48	54 07	2	2 23	48	53 48
3	3 42	49	55 81	3	3 38	49	55 19	3	3 34	49	54 59
4	4 56	50	56 94	4	4 51	50	56 32	4	4 46	50	55 71
5	5 69	51	58 08	5	5 63	51	57 45	5	5 57	51	56 82
6	6 83	52	59 22	6	6 76	52	58 57	6	6 68	52	57 93
7	7 97	53	60 36	7	7 88	53	59 70	7	7 80	53	59 05
8	9 11	54	61 50	8	9 01	54	60 82	8	8 91	54	60 16
9	10 25	55	62 64	9	10 14	55	61 95	9	10 03	55	61 28
10	11 39	56	63 78	10	11 26	56	63 08	10	11 14	56	62 39
11	12 53	57	64 92	11	12 39	57	64 20	11	12 26	57	63 51
12	13 67	58	66 06	12	13 52	58	65 33	12	13 37	58	64 62
13	14 81	59	67 19	13	14 64	59	66 46	13	14 48	59	65 73
14	15 94	60	68 33	14	15 77	60	67 58	14	15 60	60	66 85
15	17 08	61	69 47	15	16 90	61	68 71	15	16 71	61	67 96
16	18 22	62	70 61	16	18 02	62	69 84	16	17 83	62	69 08
17	19 36	63	71 75	17	19 15	63	70 96	17	18 94	63	70 19
18	20 50	64	72 89	18	20 27	64	72 09	18	20 05	64	71 30
19	21 64	65	74 03	19	21 40	65	73 21	19	21 17	65	72 42
20	22 78	66	75 17	20	22 53	66	74 34	20	22 28	66	73 53
21	23 92	67	76 31	21	23 65	67	75 47	21	23 40	67	74 65
22	25 06	68	77 44	22	24 78	68	76 59	22	24 51	68	75 76
23	26 19	69	78 58	23	25 91	69	77 72	23	25 62	69	76 87
24	27 33	70	79 72	24	27 03	70	78 85	24	26 74	70	77 99
25	28 47	71	80 86	25	28 16	71	79 97	25	27 85	71	79 10
26	29 61	72	82 00	26	29 29	72	81 10	26	28 97	72	80 22
27	30 75	73	83 14	27	30 41	73	82 23	27	30 08	73	81 33
28	31 89	74	84 28	28	31 54	74	83 35	28	31 20	74	82 45
29	33 03	75	85 42	29	32 66	75	84 48	29	32 31	75	83 56
30	34 17	76	86 56	30	33 79	76	85 60	30	33 42	76	84 67
31	35 31	77	87 69	31	34 92	77	86 73	31	34 54	77	85 79
32	36 44	78	88 83	32	36 04	78	87 86	32	35 65	78	86 90
33	37 58	79	89 97	33	37 17	79	88 98	33	36 77	79	88 02
34	38 72	80	91 11	34	38 30	80	90 11	34	37 88	80	89 13
35	39 86	81	92 25	35	39 42	81	91 24	35	38 99	81	90 24
36	41 00	82	93 39	36	40 55	82	92 36	36	40 11	82	91 36
37	42 14	83	94 53	37	41 68	83	93 49	37	41 22	83	92 47
38	43 28	84	95 67	38	42 80	84	94 62	38	42 34	84	93 59
39	44 42	85	96 81	39	43 93	85	95 74	39	43 45	85	94 70
40	45 56	86	97 94	40	45 05	86	96 87	40	44 57	86	95 82
41	46 69	87	99 08	41	46 18	87	97 99	41	45 68	87	96 93
42	47 83	88	100 22	42	47 31	88	99 12	42	46 79	88	98 04
43	48 97	89	101 36	43	48 43	89	100 25	43	47 91	89	99 16
44	50 11	90	102 50	44	49 56	90	101 37	44	49 02	90	100 27
45	51 25			45	50 69	91	102 50	45	50 14	91	101 39
46	52 39			46	51 81			46	51 25	92	102 50

TABLES OF KEEPERS' SALARIES.

\$400 PER ANNUM—\$100 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 11	47	\$52 22	1	\$1 10	47	\$51 65	1	\$1 09	47	\$51 09
2	2 22	48	53 33	2	2 20	48	52 75	2	2 17	48	52 17
3	3 33	49	54 44	3	3 30	49	53 85	3	3 26	49	53 26
4	4 44	50	55 56	4	4 40	50	54 95	4	4 35	50	54 35
5	5 56	51	56 67	5	5 49	51	56 04	5	5 43	51	55 43
6	6 67	52	57 78	6	6 59	52	57 14	6	6 52	52	56 52
7	7 78	53	58 89	7	7 69	53	58 24	7	7 61	53	57 61
8	8 89	54	60 00	8	8 79	54	59 34	8	8 70	54	58 70
9	10 00	55	61 11	9	9 89	55	60 44	9	9 78	55	59 78
10	11 11	56	62 22	10	10 99	56	61 54	10	10 87	56	60 87
11	12 22	57	63 33	11	12 09	57	62 64	11	11 96	57	61 96
12	13 33	58	64 44	12	13 19	58	63 74	12	13 04	58	63 04
13	14 44	59	65 56	13	14 29	59	64 84	13	14 13	59	64 13
14	15 56	60	66 67	14	15 38	60	65 93	14	15 22	60	65 22
15	16 67	61	67 78	15	16 48	61	67 03	15	16 30	61	66 30
16	17 78	62	68 89	16	17 58	62	68 13	16	17 39	62	67 39
17	18 89	63	70 00	17	18 68	63	69 23	17	18 48	63	68 48
18	20 00	64	71 11	18	19 78	64	70 33	18	19 57	64	69 57
19	21 11	65	72 22	19	20 88	65	71 43	19	20 65	65	70 65
20	22 22	66	73 33	20	21 98	66	72 53	20	21 74	66	71 74
21	23 33	67	74 44	21	23 08	67	73 63	21	22 83	67	72 83
22	24 44	68	75 56	22	24 18	68	74 73	22	23 91	68	73 91
23	25 56	69	76 67	23	25 27	69	75 82	23	25 00	69	75 00
24	26 67	70	77 78	24	26 37	70	76 92	24	26 09	70	76 09
25	27 78	71	78 89	25	27 47	71	78 02	25	27 17	71	77 17
26	28 89	72	80 00	26	28 57	72	79 12	26	28 26	72	78 26
27	30 00	73	81 11	27	29 67	73	80 22	27	29 35	73	79 35
28	31 11	74	82 22	28	30 77	74	81 32	28	30 43	74	80 43
29	32 22	75	83 33	29	31 87	75	82 42	29	31 52	75	81 52
30	33 33	76	84 44	30	32 97	76	83 52	30	32 61	76	82 61
31	34 44	77	85 56	31	34 07	77	84 62	31	33 70	77	83 70
32	35 56	78	86 67	32	35 16	78	85 71	32	34 78	78	84 78
33	36 67	79	87 78	33	36 26	79	86 81	33	35 87	79	85 87
34	37 78	80	88 89	34	37 36	80	87 91	34	36 96	80	86 96
35	38 89	81	90 00	35	38 46	81	89 01	35	38 04	81	88 04
36	40 00	82	91 11	36	39 56	82	90 11	36	39 13	82	89 13
37	41 11	83	92 22	37	40 66	83	91 21	37	40 22	83	90 22
38	42 22	84	93 33	38	41 76	84	92 31	38	41 30	84	91 30
39	43 33	85	94 44	39	42 86	85	93 41	39	42 39	85	92 39
40	44 44	86	95 56	40	43 96	86	94 51	40	43 48	86	93 48
41	45 56	87	96 67	41	45 05	87	95 60	41	44 57	87	94 57
42	46 67	88	97 78	42	46 15	88	96 70	42	45 65	88	95 65
43	47 78	89	98 89	43	47 25	89	97 80	43	46 74	89	96 74
44	48 89	90	100 00	44	48 35	90	98 90	44	47 83	90	97 83
45	50 00			45	49 45	91	100 00	45	48 91	91	98 91
46	51 11			46	50 55			46	50 00	92	100 00

TABLES OF KEEPERS' SALARIES.

\$390 PER ANNUM—\$97.50 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 02	47	\$50 92	1	\$1 07	47	\$50 36	1	\$1 06	47	\$49 81
2	2 17	48	52 00	2	2 14	48	51 43	2	2 12	48	50 87
3	3 25	49	53 08	3	3 21	49	52 50	3	3 18	49	51 93
4	4 33	50	54 17	4	4 29	50	53 57	4	4 24	50	52 99
5	5 42	51	55 25	5	5 36	51	54 64	5	5 30	51	54 05
6	6 50	52	56 33	6	6 43	52	55 71	6	6 36	52	55 11
7	7 58	53	57 42	7	7 50	53	56 79	7	7 42	53	56 17
8	8 67	54	58 50	8	8 57	54	57 86	8	8 48	54	57 23
9	9 75	55	59 58	9	9 64	55	58 93	9	9 54	55	58 29
10	10 83	56	60 67	10	10 71	56	60 00	10	10 60	56	59 35
11	11 92	57	61 75	11	11 79	57	61 07	11	11 66	57	60 41
12	13 00	58	62 83	12	12 86	58	62 14	12	12 72	58	61 47
13	14 08	59	63 92	13	13 93	59	63 21	13	13 78	59	62 53
14	15 17	60	65 00	14	15 00	60	64 29	14	14 84	60	63 59
15	16 25	61	66 08	15	16 07	61	65 36	15	15 90	61	64 65
16	17 33	62	67 17	16	17 14	62	66 43	16	16 96	62	65 71
17	18 42	63	68 25	17	18 21	63	67 50	17	18 02	63	66 77
18	19 50	64	69 33	18	19 29	64	68 57	18	19 08	64	67 83
19	20 58	65	70 42	19	20 36	65	69 64	19	20 14	65	68 89
20	21 67	66	71 50	20	21 43	66	70 71	20	21 20	66	69 95
21	22 75	67	72 58	21	22 50	67	71 79	21	22 26	67	71 01
22	23 83	68	73 67	22	23 57	68	72 86	22	23 32	68	72 07
23	24 92	69	74 75	23	24 64	69	73 93	23	24 37	69	73 12
24	26 00	70	75 83	24	25 71	70	75 00	24	25 43	70	74 18
25	27 08	71	76 92	25	26 79	71	76 07	25	26 49	71	75 24
26	28 17	72	78 00	26	27 86	72	77 14	26	27 55	72	76 30
27	29 25	73	79 08	27	28 93	73	78 21	27	28 61	73	77 36
28	30 33	74	80 17	28	30 00	74	79 29	28	29 67	74	78 42
29	31 42	75	81 25	29	31 07	75	80 36	29	30 73	75	79 48
30	32 50	76	82 33	30	32 14	76	81 43	30	31 79	76	80 54
31	33 58	77	83 42	31	33 21	77	82 50	31	32 85	77	81 60
32	34 67	78	84 50	32	34 29	78	83 57	32	33 91	78	82 66
33	35 75	79	85 58	33	35 36	79	84 64	33	34 97	79	83 72
34	36 83	80	86 67	34	36 43	80	85 71	34	36 03	80	84 78
35	37 92	81	87 75	35	37 50	81	86 79	35	37 09	81	85 84
36	39 00	82	88 83	36	38 57	82	87 86	36	38 15	82	86 90
37	40 08	83	89 92	37	39 64	83	88 93	37	39 21	83	87 96
38	41 17	84	91 00	38	40 71	84	90 00	38	40 27	84	89 02
39	42 25	85	92 08	39	41 79	85	91 07	39	41 33	85	90 08
40	43 33	86	93 17	40	42 86	86	92 14	40	42 39	86	91 14
41	44 41	87	94 25	41	43 93	87	93 21	41	43 45	87	92 20
42	45 50	88	95 33	42	45 00	88	94 29	42	44 51	88	93 26
43	46 58	89	96 42	43	46 07	89	95 36	43	45 57	89	94 32
44	46 67	90	97 50	44	47 14	90	96 43	44	46 63	90	95 38
45	48 75			45	48 21	91	97 50	45	47 69	91	96 44
46	49 83			46	49 29			46	48 75	92	97 50

TABLES OF KEEPERS' SALARIES.

\$375 PER ANNUM—\$93.75 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$1 04	47	\$48 96	1	\$1 03	47	\$48 42	1	\$1 02	47	\$47 89
2	2 08	48	50 00	2	2 06	48	49 45	2	2 04	48	48 91
3	3 12	49	51 04	3	3 09	49	50 48	3	3 06	49	49 93
4	4 17	50	52 08	4	4 12	50	51 51	4	4 08	50	50 95
5	5 21	51	53 12	5	5 15	51	52 54	5	5 10	51	51 97
6	6 25	52	54 17	6	6 18	52	53 57	6	6 11	52	52 99
7	7 29	53	55 21	7	7 21	53	54 60	7	7 13	53	54 01
8	8 33	54	56 25	8	8 24	54	55 63	8	8 15	54	55 03
9	9 37	55	57 29	9	9 27	55	56 66	9	9 17	55	56 05
10	10 42	56	58 33	10	10 30	56	57 69	10	10 19	56	57 07
11	11 46	57	59 37	11	11 33	57	58 72	11	11 21	57	58 08
12	12 50	58	60 42	12	12 36	58	59 75	12	12 23	58	59 10
13	13 54	59	61 46	13	13 39	59	60 78	13	13 25	59	60 12
14	14 58	60	62 50	14	14 42	60	61 81	14	14 27	60	61 14
15	15 62	61	63 54	15	15 45	61	62 84	15	15 29	61	62 16
16	16 67	62	64 58	16	16 48	62	63 87	16	16 30	62	63 18
17	17 71	63	65 62	17	17 51	63	64 90	17	17 32	63	64 20
18	18 75	64	66 67	18	18 54	64	65 93	18	18 34	64	65 22
19	19 79	65	67 71	19	19 57	65	66 96	19	19 36	65	66 24
20	20 83	66	68 75	20	20 60	66	67 99	20	20 38	66	67 26
21	21 87	67	69 79	21	21 63	67	69 02	21	21 40	67	68 27
22	22 92	68	70 83	22	22 66	68	70 05	22	22 42	68	69 29
23	23 96	69	71 87	23	23 70	69	71 08	23	23 44	69	70 31
24	25 00	70	72 92	24	24 73	70	72 12	24	24 46	70	71 33
25	26 04	71	73 96	25	25 76	71	73 15	25	25 48	71	72 35
26	27 08	72	75 00	26	26 79	72	74 18	26	26 49	72	73 37
27	28 12	73	76 04	27	27 82	73	75 21	27	27 51	73	74 39
28	29 17	74	77 08	28	28 85	74	76 24	28	28 53	74	75 41
29	30 21	75	78 12	29	29 88	75	77 27	29	29 55	75	76 43
30	31 25	76	79 17	30	30 91	76	78 30	30	30 57	76	77 45
31	32 29	77	80 21	31	31 94	77	79 33	31	31 59	77	78 46
32	33 33	78	81 25	32	32 97	78	80 36	32	32 61	78	79 48
33	34 37	79	82 29	33	34 00	79	81 39	33	33 63	79	80 50
34	35 42	80	83 33	34	35 03	80	82 42	34	34 65	80	81 52
35	36 46	81	84 37	35	36 06	81	83 45	35	35 67	81	82 54
36	37 50	82	85 42	36	37 09	82	84 48	36	36 68	82	83 56
37	38 54	83	86 46	37	38 12	83	85 51	37	37 70	83	84 58
38	39 58	84	87 50	38	39 15	84	86 54	38	38 72	84	85 60
39	40 62	85	88 54	39	40 18	85	87 57	39	39 74	85	86 62
40	41 67	86	89 58	40	41 21	86	88 60	40	40 76	86	87 64
41	42 71	87	90 62	41	42 24	87	89 63	41	41 78	87	88 65
42	43 75	88	91 67	42	43 27	88	90 66	42	42 80	88	89 67
43	44 79	89	92 71	43	44 30	89	91 69	43	43 82	89	90 69
44	45 83	90	93 75	44	45 33	90	92 72	44	44 84	90	91 71
45	46 87			45	46 36	91	93 75	45	45 86	91	92 73
46	47 92			46	47 39			46	46 87	92	93 75

TABLES OF KEEPERS' SALARIES.

\$350 PER ANNUM—\$87.50 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$0 97	47	\$45 09	1	\$0 96	47	\$45 19	1	\$0 95	47	\$44 70
2	1 04	48	46 07	2	1 02	48	46 15	2	1 90	48	45 65
3	2 02	49	47 04	3	2 00	49	47 12	3	2 85	49	46 60
4	3 00	50	48 01	4	3 00	50	48 08	4	3 80	50	47 55
5	4 00	51	49 00	5	4 00	51	49 04	5	4 76	51	48 51
6	5 00	52	50 00	6	5 00	52	50 00	6	5 71	52	49 46
7	6 01	53	51 01	7	6 01	53	50 96	7	6 66	53	50 41
8	7 02	54	52 02	8	7 02	54	51 92	8	7 61	54	51 36
9	8 03	55	53 03	9	8 03	55	52 88	9	8 56	55	52 31
10	9 04	56	54 04	10	9 04	56	53 85	10	9 51	56	53 26
11	10 05	57	55 05	11	10 05	57	54 81	11	10 46	57	54 21
12	11 06	58	56 06	12	11 06	58	55 77	12	11 41	58	55 16
13	12 07	59	57 07	13	12 07	59	56 73	13	12 36	59	56 11
14	13 08	60	58 08	14	13 08	60	57 69	14	13 32	60	57 07
15	14 09	61	59 09	15	14 09	61	58 65	15	14 27	61	58 02
16	15 10	62	60 10	16	15 10	62	59 62	16	15 22	62	58 97
17	16 11	63	61 11	17	16 11	63	60 58	17	16 17	63	59 92
18	17 12	64	62 12	18	17 12	64	61 54	18	17 12	64	60 87
19	18 13	65	63 13	19	18 13	65	62 50	19	18 07	65	61 82
20	19 14	66	64 14	20	19 14	66	63 46	20	19 02	66	62 77
21	20 15	67	65 15	21	20 15	67	64 42	21	19 97	67	63 72
22	21 16	68	66 16	22	21 16	68	65 38	22	20 92	68	64 67
23	22 17	69	67 17	23	22 17	69	66 35	23	21 88	69	65 63
24	23 18	70	68 18	24	23 18	70	67 31	24	22 83	70	66 58
25	24 19	71	69 19	25	24 19	71	68 27	25	23 78	71	67 53
26	25 20	72	70 20	26	25 20	72	69 23	26	24 73	72	68 48
27	26 21	73	71 21	27	26 21	73	70 19	27	25 68	73	69 43
28	27 22	74	72 22	28	27 22	74	71 15	28	26 63	74	70 38
29	28 23	75	73 23	29	28 23	75	72 12	29	27 58	75	71 33
30	29 24	76	74 24	30	29 24	76	73 08	30	28 53	76	72 28
31	30 25	77	75 25	31	30 25	77	74 04	31	29 48	77	73 23
32	31 26	78	76 26	32	31 26	78	75 00	32	30 43	78	74 18
33	32 27	79	77 27	33	32 27	79	75 96	33	31 39	79	75 14
34	33 28	80	78 28	34	33 28	80	76 92	34	32 34	80	76 09
35	34 29	81	79 29	35	34 29	81	77 88	35	33 29	81	77 04
36	35 30	82	80 30	36	35 30	82	78 85	36	34 24	82	77 99
37	36 31	83	81 31	37	36 31	83	79 81	37	35 19	83	78 94
38	37 32	84	82 32	38	37 32	84	80 77	38	36 14	84	79 89
39	38 33	85	83 33	39	38 33	85	81 73	39	37 09	85	80 84
40	39 34	86	84 34	40	39 34	86	82 69	40	38 04	86	81 79
41	40 35	87	85 35	41	40 35	87	83 65	41	38 99	87	82 74
42	41 36	88	86 36	42	41 36	88	84 62	42	39 95	88	83 70
43	42 37	89	87 37	43	42 37	89	85 58	43	40 90	89	84 65
44	43 38	90	88 38	44	43 38	90	86 54	44	41 85	90	85 60
45	44 39			45	44 39	91	87 50	45	42 80	91	86 55
46	45 40			46	45 40			46	43 75	92	87 50

TABLES OF KEEPERS' SALARIES.

\$320 PER ANNUM—\$80 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$0 89	47	\$41 78	1	\$0 88	47	\$41 32	1	\$0 87	47	\$40 87
2	1 78	48	42 67	2	1 76	48	42 10	2	1 74	48	41 74
3	2 67	49	43 56	3	2 64	49	43 08	3	2 61	49	42 61
4	3 56	50	44 44	4	3 52	50	43 96	4	3 48	50	43 48
5	4 44	51	45 33	5	4 40	51	44 84	5	4 35	51	44 35
6	5 33	52	46 22	6	5 27	52	45 71	6	5 22	52	45 22
7	6 22	53	47 11	7	6 15	53	46 59	7	6 09	53	46 09
8	7 11	54	48 00	8	7 03	54	47 47	8	6 96	54	46 96
9	8 00	55	48 89	9	7 91	55	48 35	9	7 83	55	47 83
10	8 89	56	49 78	10	8 79	56	49 23	10	8 70	56	48 70
11	9 78	57	50 67	11	9 67	57	50 11	11	9 57	57	49 57
12	10 67	58	51 56	12	10 55	58	50 99	12	10 43	58	50 43
13	11 56	59	52 44	13	11 43	59	51 87	13	11 30	59	51 30
14	12 44	60	53 33	14	12 31	60	52 75	14	12 17	60	52 17
15	13 33	61	54 22	15	13 19	61	53 63	15	13 04	61	53 04
16	14 22	62	55 11	16	14 07	62	54 51	16	13 91	62	53 91
17	15 11	63	56 00	17	14 95	63	55 38	17	14 78	63	54 78
18	16 00	64	56 89	18	15 82	64	56 26	18	15 65	64	55 65
19	16 89	65	57 78	19	16 70	65	57 14	19	16 52	65	56 52
20	17 78	66	58 67	20	17 58	66	58 02	20	17 39	66	57 39
21	18 67	67	59 56	21	18 46	67	58 90	21	18 26	67	58 26
22	19 56	68	60 44	22	19 34	68	59 78	22	19 13	68	59 13
23	20 44	69	61 33	23	20 22	69	60 66	23	20 00	69	60 00
24	21 33	70	62 22	24	21 10	70	61 54	24	20 87	70	60 87
25	22 22	71	63 11	25	21 98	71	62 42	25	21 74	71	61 74
26	23 11	72	64 00	26	22 86	72	63 30	26	22 61	72	62 61
27	24 00	73	64 89	27	23 74	73	64 18	27	23 48	73	63 48
28	24 89	74	65 78	28	24 62	74	65 05	28	24 35	74	64 35
29	25 78	75	66 67	29	25 49	75	65 93	29	25 22	75	65 22
30	26 67	76	67 56	30	26 37	76	66 81	30	26 09	76	66 09
31	27 56	77	68 44	31	27 25	77	67 69	31	26 96	77	66 96
32	28 44	78	69 33	32	28 13	78	68 57	32	27 83	78	67 83
33	29 33	79	70 22	33	29 01	79	69 45	33	28 70	79	68 70
34	30 22	80	71 11	34	29 89	80	70 33	34	29 57	80	69 57
35	31 11	81	72 00	35	30 77	81	71 21	35	30 43	81	70 43
36	32 00	82	72 89	36	31 65	82	72 09	36	31 30	82	71 30
37	32 89	83	73 78	37	32 53	83	72 97	37	32 17	83	72 17
38	33 78	84	74 67	38	33 41	84	73 85	38	33 04	84	73 04
39	34 67	85	75 56	39	34 29	85	74 73	39	33 91	85	73 91
40	35 56	86	76 44	40	35 16	86	75 60	40	34 78	86	74 78
41	36 44	87	77 33	41	36 04	87	76 48	41	35 65	87	75 65
42	37 33	88	78 22	42	36 92	88	77 36	42	36 52	88	76 52
43	38 22	89	79 11	43	37 80	89	78 24	43	37 39	89	77 39
44	39 11	90	80 00	44	38 68	90	79 12	44	38 26	90	78 26
45	40 00			45	39 56	91	80 00	45	39 13	91	79 13
46	40 89			46	40 44			46	40 00	92	80 00

TABLES OF KEEPERS' SALARIES.

\$300 PER ANNUM—\$75 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$0 83	47	\$39 17	1	\$0 82	47	\$38 74	1	\$0 82	47	\$38 32
2	1 67	48	40 00	2	1 65	48	39 56	2	1 63	48	39 13
3	2 50	49	40 83	3	2 47	49	40 38	3	2 45	49	39 95
4	3 33	50	41 67	4	3 30	50	41 21	4	3 26	50	40 76
5	4 17	51	42 50	5	4 12	51	42 03	5	4 08	51	41 58
6	5 00	52	43 33	6	4 95	52	42 86	6	4 89	52	42 39
7	5 83	53	44 17	7	5 77	53	43 68	7	5 71	53	43 21
8	6 67	54	45 00	8	6 59	54	44 51	8	6 52	54	44 02
9	7 50	55	45 83	9	7 42	55	45 33	9	7 34	55	44 84
10	8 33	56	46 67	10	8 24	56	46 15	10	8 15	56	45 65
11	9 17	57	47 50	11	9 07	57	46 98	11	8 97	57	46 47
12	10 00	58	48 33	12	9 89	58	47 80	12	9 78	58	47 28
13	10 83	59	49 17	13	10 71	59	48 63	13	10 60	59	48 10
14	11 67	60	50 00	14	11 54	60	49 45	14	11 41	60	48 91
15	12 50	61	50 83	15	12 36	61	50 27	15	12 23	61	49 73
16	13 33	62	51 67	16	13 19	62	51 10	16	13 04	62	50 54
17	14 17	63	52 50	17	14 01	63	51 92	17	13 86	63	51 36
18	15 00	64	53 33	18	14 84	64	52 75	18	14 67	64	52 17
19	15 83	65	54 17	19	15 66	65	53 57	19	15 49	65	52 99
20	16 67	66	55 00	20	16 48	66	54 40	20	16 30	66	53 80
21	17 50	67	55 83	21	17 31	67	55 22	21	17 12	67	54 62
22	18 33	68	56 67	22	18 13	68	56 04	22	17 93	68	55 43
23	19 17	69	57 50	23	18 96	69	56 87	23	18 75	69	56 25
24	20 00	70	58 33	24	19 78	70	57 69	24	19 57	70	57 07
25	20 83	71	59 17	25	20 60	71	58 52	25	20 38	71	57 88
26	21 67	72	60 00	26	21 43	72	59 34	26	21 20	72	58 70
27	22 50	73	60 83	27	22 25	73	60 16	27	22 01	73	59 51
28	23 33	74	61 67	28	23 08	74	60 99	28	22 83	74	60 33
29	24 17	75	62 50	29	23 90	75	61 81	29	23 64	75	61 14
30	25 00	76	63 33	30	24 73	76	62 64	30	24 46	76	61 96
31	25 83	77	64 17	31	25 55	77	63 46	31	25 27	77	62 77
32	26 67	78	65 00	32	26 37	78	64 29	32	26 09	78	63 59
33	27 50	79	65 83	33	27 20	79	65 11	33	26 90	79	64 40
34	28 33	80	66 67	34	28 02	80	65 93	34	27 72	80	65 22
35	29 17	81	67 50	35	28 84	81	66 76	35	28 53	81	66 03
36	30 00	82	68 33	36	29 67	82	67 58	36	29 35	82	66 85
37	30 83	83	69 17	37	30 49	83	68 41	37	30 16	83	67 66
38	31 67	84	70 00	38	31 32	84	69 23	38	30 98	84	68 48
39	32 50	85	70 83	39	32 14	85	70 05	39	31 79	85	69 29
40	33 33	86	71 67	40	33 97	86	70 88	40	32 61	86	70 11
41	34 17	87	72 50	41	33 79	87	71 70	41	33 42	87	70 92
42	35 00	88	73 33	42	34 62	88	72 53	42	34 24	88	71 74
43	35 83	89	74 17	43	35 44	89	73 35	43	35 05	89	72 55
44	36 67	90	75 00	44	36 26	90	74 18	44	35 87	90	73 37
45	37 50			45	37 09	91	75 00	45	36 68	91	74 18
46	38 33			46	37 91			46	37 50	92	75 00

TABLES OF KEEPERS' SALARIES.

\$260 PER ANNUM—\$65 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$0 72	47	\$33 94	1	\$0 71	47	\$33 57	1	\$0 71	47	\$33 21
2	1 44	48	34 67	2	1 43	48	34 29	2	1 41	48	33 91
3	2 17	49	35 39	3	2 14	49	35 00	3	2 12	49	34 62
4	2 89	50	36 11	4	2 86	50	35 71	4	2 83	50	35 33
5	3 61	51	36 83	5	3 57	51	36 43	5	3 53	51	36 03
6	4 33	52	37 56	6	4 29	52	37 14	6	4 24	52	36 74
7	5 06	53	38 28	7	5 00	53	37 86	7	4 95	53	37 45
8	5 78	54	39 00	8	5 71	54	38 57	8	5 65	54	38 15
9	6 50	55	39 72	9	6 43	55	39 29	9	6 36	55	38 86
10	7 22	56	40 44	10	7 14	56	40 00	10	7 07	56	39 57
11	7 94	57	41 17	11	7 86	57	40 71	11	7 77	57	40 27
12	8 67	58	41 89	12	8 57	58	41 43	12	8 48	58	40 98
13	9 39	59	42 61	13	9 29	59	42 14	13	9 18	59	41 68
14	10 11	60	43 33	14	10 00	60	42 86	14	9 89	60	42 39
15	10 83	61	44 06	15	10 71	61	43 57	15	10 60	61	43 10
16	11 56	62	44 78	16	11 43	62	44 29	16	11 30	62	43 80
17	12 28	63	45 50	17	12 14	63	45 00	17	12 01	63	44 51
18	13 00	64	46 22	18	12 86	64	45 71	18	12 72	64	45 22
19	13 72	65	46 94	19	13 57	65	46 43	19	13 42	65	45 92
20	14 44	66	47 67	20	14 29	66	47 14	20	14 13	66	46 63
21	15 17	67	48 39	21	15 00	67	47 86	21	14 84	67	47 34
22	15 89	68	49 11	22	15 71	68	48 57	22	15 54	68	48 04
23	16 61	69	49 83	23	16 43	69	49 29	23	16 25	69	48 75
24	17 33	70	50 56	24	17 14	70	50 00	24	16 96	70	49 46
25	18 06	71	51 28	25	17 86	71	50 71	25	17 66	71	50 16
26	18 78	72	52 00	26	18 57	72	51 43	26	18 37	72	50 87
27	19 50	73	52 72	27	19 29	73	52 14	27	19 08	73	51 58
28	20 22	74	53 44	28	20 00	74	52 86	28	19 78	74	52 28
29	20 94	75	54 17	29	20 71	75	53 57	29	20 49	75	52 99
30	21 67	76	54 89	30	21 43	76	54 29	30	21 20	76	53 70
31	22 39	77	55 61	31	22 14	77	55 00	31	21 90	77	54 40
32	23 11	78	56 33	32	22 86	78	55 71	32	22 61	78	55 11
33	23 83	79	57 06	33	23 57	79	56 43	33	23 32	79	55 82
34	24 56	80	57 78	34	24 29	80	57 14	34	24 02	80	56 52
35	25 28	81	58 50	35	25 00	81	57 86	35	24 73	81	57 23
36	26 00	82	59 22	36	25 71	82	58 57	36	25 43	82	57 93
37	26 72	83	60 94	37	26 43	83	59 29	37	26 14	83	58 64
38	27 44	84	60 67	38	27 14	84	60 00	38	26 85	84	59 35
39	28 17	85	61 39	39	27 86	85	60 71	39	27 55	85	60 05
40	28 89	86	62 11	40	28 57	86	61 43	40	28 26	86	60 76
41	29 61	87	62 83	41	29 29	87	62 14	41	28 97	87	61 47
42	30 33	88	63 56	42	30 00	88	62 86	42	29 67	88	62 17
43	31 06	89	64 28	43	30 71	89	63 57	43	30 38	89	62 88
44	31 78	90	65 00	44	31 43	90	64 29	44	31 09	90	63 59
45	32 50			45	32 14	91	65 00	45	31 79	91	64 29
46	33 22			46	32 85			46	32 50	92	65 00

TABLES OF KEEPERS' SALARIES.

\$250 PER ANNUM—\$62.50 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$0 69	47	\$32 64	1	\$0 69	47	\$32 28	1	\$0 68	47	\$31 93
2	1 39	48	33 33	2	1 37	48	32 97	2	1 36	48	32 61
3	2 08	49	34 03	3	2 06	49	33 65	3	2 04	49	33 29
4	2 78	50	34 72	4	2 75	50	34 34	4	2 72	50	33 97
5	3 47	51	35 42	5	3 43	51	35 03	5	3 40	51	34 65
6	4 17	52	36 11	6	4 12	52	35 71	6	4 08	52	35 33
7	4 86	53	36 81	7	4 81	53	36 40	7	4 76	53	36 01
8	5 56	54	37 50	8	5 49	54	37 09	8	5 43	54	36 68
9	6 25	55	38 19	9	6 18	55	37 77	9	6 11	55	37 36
10	6 94	56	38 89	10	6 87	56	38 46	10	6 79	56	38 04
11	7 64	57	39 58	11	7 55	57	39 15	11	7 47	57	38 72
12	8 33	58	40 28	12	8 24	58	39 84	12	8 15	58	39 40
13	9 03	59	40 97	13	8 93	59	40 52	13	8 83	59	40 08
14	9 72	60	41 67	14	9 62	60	41 21	14	9 51	60	40 76
15	10 42	61	42 36	15	10 30	61	41 90	15	10 19	61	41 44
16	11 11	62	43 06	16	10 99	62	42 58	16	10 87	62	42 12
17	11 81	63	43 75	17	11 68	63	43 27	17	11 55	63	42 80
18	12 50	64	44 44	18	12 36	64	43 96	18	12 23	64	43 48
19	13 19	65	45 14	19	13 05	65	44 64	19	12 91	65	44 16
20	13 89	66	45 83	20	13 74	66	45 33	20	13 59	66	44 84
21	14 58	67	46 53	21	14 42	67	46 02	21	14 27	67	45 52
22	15 28	68	47 22	22	15 11	68	46 70	22	14 95	68	46 20
23	15 97	69	47 92	23	15 80	69	47 39	23	15 62	69	46 87
24	16 67	70	48 61	24	16 48	70	48 08	24	16 30	70	47 55
25	17 36	71	49 31	25	17 17	71	48 76	25	16 98	71	48 23
26	18 06	72	50 00	26	17 86	72	49 45	26	17 66	72	48 91
27	18 75	73	50 69	27	18 54	73	50 14	27	18 34	73	49 59
28	19 44	74	51 39	28	19 23	74	50 82	28	19 02	74	50 27
29	20 14	75	52 08	29	19 92	75	51 51	29	19 70	75	50 95
30	20 83	76	52 78	30	20 60	76	52 20	30	20 38	76	51 63
31	21 53	77	53 47	31	21 29	77	52 88	31	21 06	77	52 31
32	22 22	78	54 17	32	21 98	78	53 57	32	21 74	78	52 99
33	22 92	79	54 86	33	22 66	79	54 26	33	22 42	79	53 67
34	23 61	80	55 56	34	23 35	80	54 95	34	23 10	80	54 35
35	24 31	81	56 25	35	24 04	81	55 63	35	23 78	81	55 03
36	25 00	82	56 94	36	24 73	82	56 32	36	24 46	82	55 71
37	25 69	83	57 64	37	25 41	83	57 01	37	25 14	83	56 39
38	26 39	84	58 33	38	26 10	84	57 69	38	25 82	84	57 07
39	27 08	85	59 03	39	26 79	85	58 38	39	26 49	85	57 74
40	27 78	86	59 72	40	27 47	86	59 06	40	27 17	86	58 42
41	28 47	87	60 42	41	28 16	87	59 75	41	27 85	87	59 10
42	29 17	88	61 11	42	28 85	88	60 44	42	28 53	88	59 78
43	29 86	89	61 81	43	29 53	89	61 13	43	29 21	89	60 46
44	30 56	90	62 50	44	30 22	90	61 81	44	29 89	90	61 14
45	31 25			45	30 91	91	62 50	45	30 57	91	61 82
46	31 94			46	31 59			46	31 25	92	62 50

TABLES OF KEEPERS' SALARIES.

\$240 PER ANNUM—\$60 PER QUARTER.

FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$0 67	47	\$31 33	1	\$0 66	47	\$30 99	1	\$0 65	47	\$30 65
2	1 33	48	32 00	2	1 32	48	31 65	2	1 30	48	31 30
3	2 00	49	32 67	3	1 98	49	32 31	3	1 96	49	31 96
4	2 67	50	33 33	4	2 64	50	32 97	4	2 61	50	32 61
5	3 33	51	34 00	5	3 30	51	33 63	5	3 26	51	33 26
6	4 00	52	34 67	6	3 96	52	34 29	6	3 91	52	33 91
7	4 67	53	35 33	7	4 62	53	34 95	7	4 57	53	34 57
8	5 33	54	36 00	8	5 27	54	35 60	8	5 22	54	35 22
9	6 00	55	36 67	9	5 93	55	36 26	9	5 87	55	35 87
10	6 67	56	37 33	10	6 59	56	36 92	10	6 52	56	36 52
11	7 33	57	38 00	11	7 25	57	37 58	11	7 17	57	37 17
12	8 00	58	38 67	12	7 91	58	38 24	12	7 83	58	37 83
13	8 67	59	39 33	13	8 57	59	38 90	13	8 48	59	38 48
14	9 33	60	40 00	14	9 23	60	39 56	14	9 13	60	39 13
15	10 00	61	40 67	15	9 89	61	40 22	15	9 78	61	39 78
16	10 67	62	41 33	16	10 55	62	40 88	16	10 43	62	40 43
17	11 33	63	42 00	17	11 21	63	41 54	17	11 09	63	41 09
18	12 00	64	42 67	18	11 87	64	42 20	18	11 74	64	41 74
19	12 67	65	43 33	19	12 53	65	42 86	19	12 39	65	42 39
20	13 33	66	44 00	20	13 19	66	43 52	20	13 04	66	43 04
21	14 00	67	44 67	21	13 85	67	44 18	21	13 70	67	43 70
22	14 67	68	45 33	22	14 51	68	44 84	22	14 35	68	44 35
23	15 33	69	46 00	23	15 16	69	45 49	23	15 00	69	45 00
24	16 00	70	46 67	24	15 82	70	46 15	24	15 65	70	45 65
25	16 67	71	47 33	25	16 48	71	46 81	25	16 30	71	46 30
26	17 33	72	48 00	26	17 14	72	47 47	26	16 96	72	46 96
27	18 00	73	48 67	27	17 80	73	48 13	27	17 61	73	47 61
28	18 67	74	49 33	28	18 46	74	48 79	28	18 26	74	48 26
29	19 33	75	50 00	29	19 12	75	49 45	29	18 91	75	48 91
30	20 00	76	50 67	30	19 78	76	50 11	30	19 57	76	49 57
31	20 67	77	51 33	31	20 44	77	50 77	31	20 22	77	50 22
32	21 33	78	52 00	32	21 10	78	51 43	32	20 87	78	50 87
33	22 00	79	52 67	33	21 76	79	52 09	33	21 52	79	51 52
34	22 67	80	53 33	34	22 42	80	52 75	34	22 17	80	52 17
35	23 33	81	54 00	35	23 08	81	53 41	35	22 83	81	52 83
36	24 00	82	54 67	36	23 74	82	54 07	36	23 48	82	53 48
37	24 67	83	55 33	37	24 40	83	54 73	37	24 13	83	54 13
38	25 33	84	56 00	38	25 05	84	55 38	38	24 78	84	54 78
39	26 00	85	56 67	39	25 71	85	56 04	39	25 43	85	55 43
40	26 67	86	57 33	40	26 37	86	56 70	40	26 09	86	56 09
41	27 33	87	58 00	41	27 03	87	57 36	41	26 74	87	56 74
42	28 00	88	58 67	42	27 69	88	58 02	42	27 39	88	57 39
43	28 67	89	59 33	43	28 35	89	58 68	43	28 04	89	58 04
44	29 33	90	60 00	44	29 01	90	59 34	44	28 70	90	58 70
45	30 00			45	29 67	91	60 00	45	29 35	91	59 35
46	30 67			46	30 33			46	30 00	92	60 00

TABLES OF KEEPERS' SALARIES.

\$200 PER ANNUM—\$50 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$0 56	47	\$26 11	1	\$0 55	47	\$25 82	1	\$0 54	47	\$25 54
2	1 11	48	26 67	2	1 10	48	26 37	2	1 09	48	26 09
3	1 67	49	27 22	3	1 65	49	26 92	3	1 63	49	26 63
4	2 22	50	27 78	4	2 20	50	27 47	4	2 17	50	27 17
5	2 78	51	28 33	5	2 75	51	28 02	5	2 72	51	27 72
6	3 33	52	28 89	6	3 30	52	28 57	6	3 26	52	28 26
7	3 89	53	29 44	7	3 85	53	29 12	7	3 80	53	28 80
8	4 44	54	30 00	8	4 40	54	29 67	8	4 35	54	29 35
9	5 00	55	30 56	9	4 95	55	30 22	9	4 89	55	29 89
10	5 56	56	31 11	10	5 49	56	30 77	10	5 43	56	30 43
11	6 11	57	31 67	11	6 04	57	31 32	11	5 98	57	30 98
12	6 67	58	32 22	12	6 59	58	31 87	12	6 52	58	31 52
13	7 22	59	32 78	13	7 14	59	32 42	13	7 07	59	32 07
14	7 78	60	33 33	14	7 69	60	32 97	14	7 61	60	32 61
15	8 33	61	33 89	15	8 24	61	33 52	15	8 15	61	33 15
16	8 89	62	34 44	16	8 79	62	34 07	16	8 70	62	33 70
17	9 44	63	35 00	17	9 34	63	34 62	17	9 24	63	34 24
18	10 00	64	35 56	18	9 89	64	35 16	18	9 78	64	34 78
19	10 56	65	36 11	19	10 44	65	35 71	19	10 33	65	35 33
20	11 11	66	36 67	20	10 99	66	36 26	20	10 87	66	35 87
21	11 67	67	37 22	21	11 54	67	36 81	21	11 41	67	36 41
22	12 22	68	37 78	22	12 09	68	37 36	22	11 96	68	36 96
23	12 78	69	38 33	23	12 64	69	37 91	23	12 50	69	37 50
24	13 33	70	38 89	24	13 19	70	38 46	24	13 04	70	38 04
25	13 89	71	39 44	25	13 74	71	39 01	25	13 59	71	38 59
26	14 44	72	40 00	26	14 29	72	39 56	26	14 13	72	39 13
27	15 00	73	40 56	27	14 84	73	40 11	27	14 67	73	39 67
28	15 56	74	41 11	28	15 38	74	40 66	28	15 22	74	40 22
29	16 11	75	41 67	29	15 93	75	41 21	29	15 76	75	40 76
30	16 67	76	42 22	30	16 48	76	41 76	30	16 30	76	41 30
31	17 22	77	42 78	31	17 03	77	42 31	31	16 85	77	41 85
32	17 78	78	43 33	32	17 58	78	42 86	32	17 39	78	42 39
33	18 33	79	43 89	33	18 13	79	43 41	33	17 93	79	42 93
34	18 89	80	44 44	34	18 68	80	43 96	34	18 48	80	43 48
35	19 44	81	45 00	35	19 23	81	44 51	35	19 02	81	44 02
36	20 00	82	45 56	36	19 78	82	45 05	36	19 57	82	44 57
37	20 56	83	46 11	37	20 33	83	45 60	37	20 11	83	45 11
38	21 11	84	46 67	38	20 88	84	46 15	38	20 65	84	45 65
39	21 67	85	47 22	39	21 43	85	46 70	39	21 20	85	46 20
40	22 22	86	47 78	40	21 98	86	47 25	40	21 74	86	46 74
41	22 78	87	48 33	41	22 53	87	47 80	41	22 28	87	47 28
42	23 33	88	48 89	42	23 08	88	48 35	42	22 83	88	47 83
43	23 89	89	49 44	43	23 63	89	48 90	43	23 37	89	48 37
44	24 44	90	50 00	44	24 18	90	49 45	44	23 91	90	48 91
45	25 00			45	24 73	91	50 00	45	24 46	91	49 46
46	25 56			46	25 27			46	25 00	92	50 00

TABLES OF KEEPERS' SALARIES.

\$160 PER ANNUM—\$40 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$0 44	47	\$20 89	1	\$0 44	47	\$20 66	1	\$0 43	47	\$20 43
2	0 89	48	21 33	2	0 88	48	21 10	2	0 87	48	20 87
3	1 33	49	21 78	3	1 32	49	21 54	3	1 30	49	21 30
4	1 78	50	22 22	4	1 76	50	21 98	4	1 74	50	21 74
5	2 22	51	22 67	5	2 20	51	22 42	5	2 17	51	22 17
6	2 67	52	23 11	6	2 64	52	22 86	6	2 61	52	22 61
7	3 11	53	23 56	7	3 08	53	23 30	7	3 04	53	23 04
8	3 56	54	24 00	8	3 52	54	23 74	8	3 48	54	23 48
9	4 00	55	24 44	9	3 96	55	24 18	9	3 91	55	23 91
10	4 44	56	24 89	10	4 40	56	24 62	10	4 35	56	24 35
11	4 89	57	25 33	11	4 84	57	25 05	11	4 78	57	24 78
12	5 33	58	25 78	12	5 27	58	25 49	12	5 22	58	25 22
13	5 78	59	26 22	13	5 71	59	25 93	13	5 65	59	25 65
14	6 22	60	26 67	14	6 15	60	26 37	14	6 09	60	26 09
15	6 67	61	27 11	15	6 59	61	26 81	15	6 52	61	26 52
16	7 11	62	27 56	16	7 03	62	27 25	16	6 96	62	26 96
17	7 56	63	28 00	17	7 47	63	27 69	17	7 39	63	27 39
18	8 00	64	28 44	18	7 91	64	28 13	18	7 83	64	27 83
19	8 44	65	28 89	19	8 35	65	28 57	19	8 26	65	28 26
20	8 89	66	29 33	20	8 79	66	29 01	20	8 70	66	28 70
21	9 33	67	29 78	21	9 23	67	29 45	21	9 13	67	29 13
22	9 78	68	30 22	22	9 67	68	29 89	22	9 57	68	29 57
23	10 22	69	30 67	23	10 11	69	30 33	23	10 00	69	30 00
24	10 67	70	31 11	24	10 55	70	30 77	24	10 43	70	30 43
25	11 11	71	31 56	25	10 99	71	31 21	25	10 87	71	30 87
26	11 56	72	32 00	26	11 43	72	31 65	26	11 30	72	31 30
27	12 00	73	32 44	27	11 87	73	32 09	27	11 74	73	31 74
28	12 44	74	32 89	28	12 31	74	32 53	28	12 17	74	32 17
29	12 89	75	33 33	29	12 75	75	32 97	29	12 61	75	32 61
30	13 33	76	33 78	30	13 19	76	33 41	30	13 04	76	33 04
31	13 78	77	34 22	31	13 63	77	33 85	31	13 48	77	33 48
32	14 22	78	34 67	32	14 07	78	34 29	32	13 91	78	33 91
33	14 67	79	35 11	33	14 51	79	34 73	33	14 35	79	34 35
34	15 11	80	35 56	34	14 95	80	35 16	34	14 78	80	34 78
35	15 56	81	36 00	35	15 38	81	35 60	35	15 22	81	35 22
36	16 00	82	36 44	36	15 82	82	36 04	36	15 65	82	35 65
37	16 44	83	36 89	37	16 26	83	36 48	37	16 09	83	36 09
38	16 89	84	37 33	38	16 70	84	36 92	38	16 52	84	36 52
39	17 33	85	37 78	39	17 14	85	37 36	39	16 96	85	36 96
40	17 78	86	38 22	40	17 58	86	37 80	40	17 39	86	37 39
41	18 22	87	38 67	41	18 02	87	38 24	41	17 83	87	37 83
42	18 67	88	39 11	42	18 46	88	38 68	42	18 26	88	38 26
43	19 11	89	39 56	43	18 90	89	39 12	43	18 70	89	38 70
44	19 56	90	40 00	44	19 34	90	39 56	44	19 13	90	39 13
45	20 00			45	19 78	91	40 00	45	19 57	91	39 57
46	20 44			46	20 22			46	20 00	92	40 00

TABLES OF KEEPERS' SALARIES.

\$150 PER ANNUM—\$37.50 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$0 42	47	\$19 58	1	\$0 41	47	\$19 37	1	\$0 41	47	\$19 16
2	0 83	48	20 00	2	0 82	48	19 78	2	0 82	48	19 57
3	1 25	49	20 42	3	1 24	49	20 19	3	1 22	49	19 97
4	1 67	50	20 83	4	1 65	50	20 60	4	1 63	50	20 38
5	2 08	51	21 25	5	2 06	51	21 02	5	2 04	51	20 79
6	2 50	52	21 67	6	2 47	52	21 43	6	2 45	52	21 20
7	2 92	53	22 08	7	2 88	53	21 84	7	2 85	53	21 60
8	3 33	54	22 50	8	3 30	54	22 25	8	3 26	54	22 01
9	3 75	55	22 92	9	3 71	55	22 66	9	3 67	55	22 42
10	4 17	56	23 33	10	4 12	56	23 08	10	4 08	56	22 83
11	4 58	57	23 75	11	4 53	57	23 49	11	4 48	57	23 23
12	5 00	58	24 17	12	4 95	58	23 90	12	4 89	58	23 64
13	5 42	59	24 58	13	5 36	59	24 31	13	5 30	59	24 05
14	5 83	60	25 00	14	5 77	60	24 73	14	5 71	60	24 46
15	6 25	61	25 42	15	6 18	61	25 14	15	6 11	61	24 86
16	6 67	62	25 83	16	6 59	62	25 55	16	6 52	62	25 27
17	7 08	63	26 25	17	7 01	63	25 96	17	6 93	63	25 68
18	7 50	64	26 67	18	7 42	64	26 37	18	7 34	64	26 09
19	7 92	65	27 08	19	7 83	65	26 79	19	7 74	65	26 49
20	8 33	66	27 50	20	8 24	66	27 20	20	8 15	66	26 90
21	8 75	67	27 92	21	8 65	67	27 61	21	8 56	67	27 31
22	9 17	68	28 33	22	9 07	68	28 02	22	8 97	68	27 72
23	9 58	69	28 75	23	9 48	69	28 43	23	9 37	69	28 12
24	10 00	70	29 17	24	9 89	70	28 85	24	9 78	70	28 53
25	10 42	71	29 58	25	10 30	71	29 26	25	10 19	71	28 94
26	10 83	72	30 00	26	10 71	72	29 67	26	10 60	72	29 35
27	11 25	73	30 42	27	11 13	73	30 08	27	11 01	73	29 76
28	11 67	74	30 83	28	11 54	74	30 49	28	11 41	74	30 16
29	12 08	75	31 25	29	11 95	75	30 91	29	11 82	75	30 57
30	12 50	76	31 67	30	12 36	76	31 32	30	12 23	76	30 98
31	12 92	77	32 08	31	12 77	77	31 73	31	12 64	77	31 39
32	13 33	78	32 50	32	13 19	78	32 14	32	13 04	78	31 79
33	13 75	79	32 92	33	13 60	79	32 55	33	13 45	79	32 20
34	14 17	80	33 33	34	14 01	80	32 97	34	13 86	80	32 61
35	14 58	81	33 75	35	14 42	81	33 38	35	14 27	81	33 02
36	15 00	82	34 17	36	14 83	82	33 79	36	14 67	82	33 42
37	15 42	83	34 58	37	15 25	83	34 20	37	15 08	83	33 83
38	15 83	84	35 00	38	15 67	84	34 62	38	15 49	84	34 24
39	16 25	85	35 42	39	16 07	85	35 03	39	15 90	85	34 65
40	16 67	86	35 83	40	16 48	86	35 44	40	16 30	86	35 05
41	17 08	87	36 25	41	16 89	87	35 85	41	16 71	87	35 46
42	17 50	88	36 67	42	17 31	88	36 26	42	17 12	88	35 87
43	17 92	89	37 08	43	17 72	89	36 68	43	17 53	89	36 28
44	18 33	90	37 50	44	18 13	90	37 09	44	17 93	90	36 68
45	18 75			45	18 54	91	37 50	45	18 34	91	37 09
46	19 17			46	18 96			46	18 75	92	37 50

TABLES OF KEEPERS' SALARIES.

\$100 PER ANNUM—\$25 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$0 28	47	\$13 06	1	\$0 27	47	\$12 91	1	\$0 27	47	\$12 77
2	0 56	48	13 33	2	0 55	48	13 19	2	0 54	48	13 04
3	0 83	49	13 61	3	0 82	49	13 46	3	0 82	49	13 32
4	1 11	50	13 89	4	1 10	50	13 74	4	1 09	50	13 59
5	1 39	51	14 17	5	1 37	51	14 01	5	1 36	51	13 86
6	1 67	52	14 44	6	1 65	52	14 29	6	1 63	52	14 13
7	1 94	53	14 72	7	1 92	53	14 56	7	1 90	53	14 40
8	2 22	54	15 00	8	2 20	54	14 84	8	2 17	54	14 67
9	2 50	55	15 28	9	2 47	55	15 11	9	2 45	55	14 95
10	2 78	56	15 56	10	2 75	56	15 38	10	2 72	56	15 22
11	3 06	57	15 83	11	3 02	57	15 66	11	2 99	57	15 49
12	3 33	58	16 11	12	3 30	58	15 93	12	3 26	58	15 76
13	3 61	59	16 39	13	3 57	59	16 21	13	3 53	59	16 03
14	3 89	60	16 67	14	3 85	60	16 48	14	3 80	60	16 30
15	4 17	61	16 94	15	4 12	61	16 76	15	4 08	61	16 58
16	4 44	62	17 22	16	4 40	62	17 03	16	4 35	62	16 85
17	4 72	63	17 50	17	4 67	63	17 31	17	4 62	63	17 12
18	5 00	64	17 78	18	4 95	64	17 58	18	4 89	64	17 39
19	5 28	65	18 06	19	5 22	65	17 86	19	5 16	65	17 66
20	5 56	66	18 33	20	5 49	66	18 13	20	5 43	66	17 93
21	5 83	67	18 61	21	5 77	67	18 41	21	5 71	67	18 21
22	6 11	68	18 89	22	6 04	68	18 68	22	5 98	68	18 48
23	6 39	69	19 17	23	6 32	69	18 96	23	6 25	69	18 75
24	6 67	70	19 44	24	6 59	70	19 23	24	6 52	70	19 02
25	6 94	71	19 72	25	6 87	71	19 51	25	6 79	71	19 29
26	7 22	72	20 00	26	7 14	72	19 78	26	7 07	72	19 57
27	7 50	73	20 28	27	7 42	73	20 05	27	7 34	73	19 84
28	7 78	74	20 56	28	7 69	74	20 33	28	7 61	74	20 11
29	8 06	75	20 83	29	7 97	75	20 60	29	7 88	75	20 38
30	8 33	76	21 11	30	8 24	76	20 88	30	8 15	76	20 65
31	8 61	77	21 39	31	8 52	77	21 15	31	8 42	77	20 92
32	8 89	78	21 67	32	8 79	78	21 43	32	8 70	78	21 20
33	9 17	79	21 94	33	9 07	79	21 70	33	8 97	79	21 47
34	9 44	80	22 22	34	9 34	80	21 98	34	9 24	80	21 74
35	9 72	81	22 50	35	9 62	81	22 25	35	9 51	81	22 01
36	10 00	82	22 78	36	9 89	82	22 53	36	9 78	82	22 28
37	10 28	83	23 06	37	10 16	83	22 80	37	10 05	83	22 55
38	10 56	84	23 33	38	10 44	84	23 08	38	10 33	84	22 83
39	10 83	85	23 61	39	10 71	85	23 35	39	10 60	85	23 10
40	11 11	86	23 89	40	10 99	86	23 63	40	10 87	86	23 37
41	11 39	87	24 17	41	11 26	87	23 90	41	11 14	87	23 64
42	11 67	88	24 44	42	11 54	88	24 18	42	11 41	88	23 91
43	11 94	89	24 72	43	11 81	89	24 45	43	11 68	89	24 18
44	12 22	90	25 00	44	12 09	90	24 73	44	11 96	90	24 46
45	12 50			45	12 36	91	25 00	45	12 23	91	24 73
46	12 78			46	12 64			46	12 50	92	25 00

TABLES OF KEEPERS' SALARIES.

\$80 PER ANNUM—\$20 PER QUARTER.											
FIRST QUARTER. (January, February, March.) 90 days.				SECOND QUARTER. (April, May, June.) 91 days.				THIRD AND FOURTH QUARTERS. (July, Aug., Sept., & Oct., Nov., Dec.) 92 days.			
DAYS.		DAYS.		DAYS.		DAYS.		DAYS.		DAYS.	
1	\$0 22	47	\$10 44	1	\$0 22	47	\$10 33	1	\$0 22	47	\$10 22
2	0 44	48	10 67	2	0 44	48	10 55	2	0 43	48	10 43
3	0 67	49	10 89	3	0 66	49	10 77	3	0 65	49	10 65
4	0 89	50	11 11	4	0 88	50	10 99	4	0 87	50	10 87
5	1 11	51	11 33	5	1 10	51	11 21	5	1 09	51	11 09
6	1 33	52	11 56	6	1 32	52	11 43	6	1 30	52	11 30
7	1 56	53	11 78	7	1 54	53	11 65	7	1 52	53	11 52
8	1 78	54	12 00	8	1 76	54	11 87	8	1 74	54	11 74
9	2 00	55	12 22	9	1 98	55	12 09	9	1 96	55	11 96
10	2 22	56	12 44	10	2 20	56	12 31	10	2 17	56	12 17
11	2 44	57	12 67	11	2 42	57	12 53	11	2 39	57	12 39
12	2 67	58	12 89	12	2 64	58	12 75	12	2 61	58	12 61
13	2 89	59	13 11	13	2 86	59	12 97	13	2 83	59	12 83
14	3 11	60	13 33	14	3 08	60	13 19	14	3 04	60	13 04
15	3 33	61	13 56	15	3 30	61	13 41	15	3 26	61	13 26
16	3 56	62	13 78	16	3 52	62	13 63	16	3 48	62	13 48
17	3 78	63	14 00	17	3 74	63	13 85	17	3 70	63	13 70
18	4 00	64	14 22	18	3 96	64	14 07	18	3 91	64	13 91
19	4 22	65	14 44	19	4 18	65	14 29	19	4 13	65	14 13
20	4 44	66	14 67	20	4 40	66	14 51	20	4 35	66	14 35
21	4 67	67	14 89	21	4 62	67	14 73	21	4 57	67	14 57
22	4 89	68	15 11	22	4 84	68	14 95	22	4 78	68	14 78
23	5 11	69	15 33	23	5 05	69	15 16	23	5 00	69	15 00
24	5 33	70	15 56	24	5 27	70	15 38	24	5 22	70	15 22
25	5 56	71	15 78	25	5 49	71	15 60	25	5 43	71	15 43
26	5 78	72	16 00	26	5 71	72	15 82	26	5 65	72	15 65
27	6 00	73	16 22	27	5 93	73	16 04	27	5 87	73	15 87
28	6 22	74	16 44	28	6 15	74	16 26	28	6 09	74	16 09
29	6 44	75	16 67	29	6 37	75	16 48	29	6 30	75	16 30
30	6 67	76	16 89	30	6 59	76	16 70	30	6 52	76	16 52
31	6 89	77	17 11	31	6 81	77	16 92	31	6 74	77	16 74
32	7 11	78	17 33	32	7 03	78	17 14	32	6 96	78	16 96
33	7 33	79	17 56	33	7 25	79	17 36	33	7 17	79	17 17
34	7 56	80	17 78	34	7 47	80	17 58	34	7 39	80	17 39
35	7 78	81	18 00	35	7 69	81	17 80	35	7 61	81	17 61
36	8 00	82	18 22	36	7 91	82	18 02	36	7 83	82	17 83
37	8 22	83	18 44	37	8 13	83	18 24	37	8 04	83	18 04
38	8 44	84	18 67	38	8 35	84	18 46	38	8 26	84	18 26
39	8 67	85	18 89	39	8 57	85	18 68	39	8 48	85	18 48
40	8 89	86	19 11	40	8 79	86	18 90	40	8 70	86	18 70
41	9 11	87	19 33	41	9 01	87	19 12	41	8 91	87	18 91
42	9 33	88	19 56	42	9 23	88	19 34	42	9 13	88	19 13
43	9 56	89	19 78	43	9 45	89	19 56	43	9 35	89	19 35
44	9 78	90	20 00	44	9 67	90	19 78	44	9 57	90	19 57
45	10 00			45	9 89	91	20 00	45	9 78	91	19 78
46	10 22			46	10 11			46	10 00	92	20 00

Salary Table for Payments by the Month, or fractions thereof.
Month of 28 days---Rates from \$5 to \$20.

	\$5	\$6	\$7	\$8	\$9	\$10	\$11	\$12	\$13	\$14	\$15	\$16	\$17	\$18	\$19	\$20
DAYS.																
1	18	21	25	29	32	36	39	43	46	50	54	57	61	64	68	71
2	36	43	50	57	64	71	79	85	93	1 00	1 07	1 14	1 21	1 29	1 36	1 43
3	54	64	.75	86	96	1 07	1 18	1 29	1 39	1 50	1 61	1 71	1 82	1 93	2 04	2 14
4	71	86	1 00	1 14	1 29	1 43	1 57	1 71	1 86	2 00	2 14	2 29	2 43	2 57	2 71	2 86
5	89	1 07	1 25	1 43	1 61	1 79	1 96	2 14	2 32	2 50	2 68	2 86	3 04	3 21	3 39	3 57
6	1 07	1 29	1 50	1 71	1 93	2 14	2 36	2 57	2 79	3 00	3 21	3 43	3 64	3 86	4 07	4 29
7	1 25	1 50	1 75	2 00	2 25	2 50	2 75	3 00	3 25	3 50	3 75	4 00	4 25	4 50	4 75	5 00
8	1 43	1 71	2 00	2 29	2 57	2 86	3 14	3 43	3 71	4 00	4 29	4 57	4 86	5 14	5 43	5 71
9	1 61	1 93	2 25	2 57	2 89	3 21	3 54	3 86	4 18	4 50	4 82	5 14	5 46	5 79	6 11	6 43
10	1 79	2 14	2 50	2 86	3 21	3 57	3 93	4 29	4 64	5 00	5 36	5 71	6 07	6 43	6 79	7 14
11	1 96	2 36	2 75	3 14	3 54	3 93	4 32	4 71	5 11	5 50	5 89	6 29	6 68	7 07	7 46	7 86
12	2 14	2 57	3 00	3 43	3 86	4 29	4 71	5 14	5 57	6 00	6 43	6 86	7 29	7 71	8 14	8 57
13	2 32	2 79	3 25	3 71	4 18	4 64	5 11	5 57	6 04	6 50	6 96	7 43	7 89	8 36	8 82	9 29
14	2 50	3 00	3 50	4 00	4 50	5 00	5 50	6 00	6 50	7 00	7 50	8 00	8 50	9 00	9 50	10 00
15	2 68	3 21	3 75	4 29	4 82	5 36	5 90	6 43	6 96	7 50	8 04	8 57	9 11	9 64	10 18	10 71
16	2 86	3 43	4 00	4 57	5 14	5 71	6 29	6 86	7 43	8 00	8 57	9 14	9 71	10 28	10 86	11 43
17	3 04	3 64	4 25	4 86	5 46	6 07	6 68	7 29	7 89	8 50	9 11	9 71	10 32	10 93	11 53	12 14
18	3 21	3 86	4 50	5 14	5 79	6 43	7 07	7 71	8 36	9 00	9 64	10 28	10 93	11 57	12 21	12 86
19	3 39	4 07	4 75	5 43	6 11	6 79	7 46	8 14	8 82	9 50	10 18	10 86	11 53	12 21	12 89	13 57
20	3 57	4 29	5 00	5 71	6 43	7 14	7 86	8 57	9 29	10 00	10 71	11 43	12 14	12 86	13 57	14 28
21	3 75	4 50	5 25	6 00	6 75	7 50	8 25	9 00	9 75	10 50	11 25	12 00	12 75	13 50	14 25	15 00
22	3 93	4 71	5 50	6 29	7 07	7 86	8 64	9 43	10 21	11 00	11 78	12 57	13 36	14 14	14 93	15 71
23	4 11	4 93	5 75	6 57	7 39	8 21	9 04	9 86	10 68	11 50	12 32	13 14	13 96	14 78	15 61	16 43
24	4 29	5 14	6 00	6 86	7 71	8 57	9 43	10 28	11 14	12 00	12 86	13 71	14 57	15 43	16 28	17 14
25	4 46	5 36	6 25	7 14	8 04	8 93	9 82	10 71	11 61	12 50	13 39	14 28	15 18	16 07	16 96	17 86
26	4 64	5 57	6 50	7 43	8 36	9 29	10 21	11 14	12 07	13 00	13 93	14 86	15 78	16 71	17 64	18 57
27	4 82	5 79	6 75	7 71	8 68	9 64	10 61	11 57	12 53	13 50	14 46	15 43	16 39	17 36	18 32	19 28
28	5 00	6 00	7 00	8 00	9 00	10 00	11 00	12 00	13 00	14 00	15 00	16 00	17 00	18 00	19 00	20 00

Salary Table for Payments by the Month, or fractions thereof
Month of 29 days--Rates from \$5 to \$20.

	\$5	\$6	\$7	\$8	\$9	\$10	\$11	\$12	\$13	\$14	\$15	\$16	\$17	\$18	\$19	\$20
DAYS.																
1	17	21	24	28	31	34	38	41	45	48	52	55	59	62	66	69
2	34	41	48	55	62	69	76	83	90	96	1 03	1 10	1 17	1 24	1 31	1 38
3	52	62	72	83	93	1 03	1 14	1 24	1 34	1 45	1 55	1 66	1 76	1 86	1 97	2 07
4	69	83	97	1 10	1 24	1 38	1 52	1 66	1 79	1 93	2 07	2 21	2 34	2 48	2 62	2 76
5	86	1 03	1 21	1 38	1 55	1 72	1 90	2 07	2 24	2 41	2 59	2 76	2 93	3 10	3 28	3 45
6	1 03	1 24	1 45	1 66	1 86	2 07	2 28	2 48	2 69	2 90	3 10	3 31	3 52	3 72	3 93	4 14
7	1 21	1 45	1 69	1 93	2 17	2 41	2 66	2 90	3 14	3 38	3 62	3 86	4 10	4 34	4 59	4 83
8	1 38	1 66	1 93	2 21	2 48	2 76	3 03	3 31	3 59	3 86	4 14	4 41	4 69	4 97	5 24	5 52
9	1 55	1 86	2 17	2 48	2 79	3 10	3 41	3 72	4 03	4 34	4 66	4 97	5 28	5 59	5 90	6 21
10	1 72	2 07	2 41	2 76	3 10	3 45	3 79	4 14	4 48	4 83	5 17	5 52	5 86	6 21	6 55	6 90
11	1 90	2 28	2 66	3 03	3 41	3 79	4 17	4 55	4 93	5 31	5 69	6 07	6 45	6 83	7 21	7 59
12	2 07	2 48	2 90	3 31	3 72	4 14	4 55	4 97	5 38	5 79	6 21	6 62	7 04	7 45	7 86	8 28
13	2 24	2 69	3 14	3 59	4 03	4 48	4 93	5 38	5 83	6 28	6 72	7 17	7 62	8 07	8 52	8 97
14	2 41	2 90	3 38	3 86	4 34	4 83	5 31	5 79	6 28	6 76	7 24	7 72	8 21	8 69	9 17	9 66
15	2 59	3 10	3 62	4 14	4 66	5 17	5 69	6 21	6 72	7 24	7 76	8 28	8 79	9 31	9 83	10 34
16	2 76	3 31	3 86	4 41	4 97	5 52	6 07	6 63	7 17	7 72	8 28	8 83	9 38	9 93	10 48	11 03
17	2 93	3 52	4 10	4 69	5 28	5 86	6 45	7 03	7 62	8 21	8 79	9 38	9 97	10 55	11 14	11 72
18	3 10	3 72	4 34	4 97	5 59	6 21	6 83	7 45	8 07	8 69	9 31	9 93	10 55	11 17	11 79	12 41
19	3 28	3 93	4 59	5 24	5 90	6 55	7 21	7 86	8 52	9 17	9 83	10 48	11 14	11 79	12 45	13 10
20	3 45	4 14	4 83	5 52	6 21	6 90	7 59	8 28	8 97	9 66	10 34	11 03	11 72	12 41	13 10	13 79
21	3 62	4 34	5 07	5 79	6 52	7 24	7 96	8 69	9 41	10 14	10 86	11 59	12 31	13 03	13 76	14 48
22	3 79	4 55	5 31	6 07	6 83	7 59	8 34	9 10	9 86	10 62	11 38	12 14	12 90	13 65	14 41	15 17
23	3 97	4 76	5 55	6 34	7 14	7 93	8 72	9 52	10 31	11 10	11 90	12 69	13 48	14 27	15 07	15 86
24	4 14	4 97	5 79	6 62	7 45	8 28	9 10	9 93	10 76	11 59	12 41	13 24	14 07	14 90	15 72	16 55
25	4 31	5 17	6 03	6 90	7 76	8 62	9 48	10 34	11 21	12 07	12 93	13 79	14 65	15 52	16 38	17 24
26	4 48	5 38	6 28	7 17	8 07	8 97	9 86	10 76	11 65	12 55	13 45	14 34	15 24	16 14	17 03	17 93
27	4 66	5 59	6 52	7 45	8 38	9 31	10 24	11 17	12 10	13 03	13 96	14 90	15 83	16 76	17 69	18 62
28	4 83	5 79	6 76	7 72	8 69	9 66	10 62	11 59	12 55	13 52	14 48	15 45	16 41	17 38	18 34	19 31
29	5 00	6 00	7 00	8 00	9 00	10 00	11 00	12 00	13 00	14 00	15 00	16 00	17 00	18 00	19 00	20 00

Salary Table for Payments by the Month, or fractions thereof.
Month of 30 days---Rates from \$5 to \$20.

	\$5	\$6	\$7	\$8	\$9	\$10	\$11	\$12	\$13	\$14	\$15	\$16	\$17	\$18	\$19	\$20
DAYS.																
1	17	20	23	27	30	33	37	40	43	47	50	53	57	60	63	67
2	33	40	47	53	60	67	73	80	87	93	1 00	1 07	1 13	1 20	1 27	1 33
3	50	60	70	80	90	1 00	1 10	1 20	1 30	1 40	1 50	1 60	1 70	1 80	1 90	2 00
4	67	80	93	1 07	1 20	1 33	1 47	1 60	1 73	1 87	2 00	2 13	2 27	2 40	2 53	2 67
5	83	1 00	1 17	1 33	1 50	1 67	1 83	2 00	2 17	2 33	2 50	2 67	2 83	3 00	3 17	3 33
6	1 00	1 20	1 40	1 60	1 80	2 00	2 20	2 40	2 60	2 80	3 00	3 20	3 40	3 60	3 80	4 00
7	1 17	1 40	1 63	1 87	2 10	2 33	2 57	2 80	3 03	3 27	3 50	3 73	3 97	4 20	4 43	4 67
8	1 33	1 60	1 87	2 13	2 40	2 67	2 93	3 20	3 47	3 73	4 00	4 27	4 53	4 80	5 07	5 33
9	1 50	1 80	2 10	2 40	2 70	3 00	3 30	3 60	3 90	4 20	4 50	4 80	5 10	5 40	5 70	6 00
10	1 67	2 00	2 33	2 67	3 00	3 33	3 67	4 00	4 33	4 67	5 00	5 33	5 67	6 00	6 33	6 67
11	1 83	2 20	2 57	2 93	3 30	3 67	4 03	4 40	4 77	5 13	5 50	5 87	6 23	6 60	6 97	7 33
12	2 00	2 40	2 80	3 20	3 60	4 00	4 40	4 80	5 20	5 60	6 00	6 40	6 80	7 20	7 60	8 00
13	2 17	2 60	3 03	3 47	3 90	4 33	4 77	5 20	5 63	6 07	6 50	6 93	7 37	7 80	8 23	8 67
14	2 33	2 80	3 27	3 73	4 20	4 67	5 13	5 60	6 07	6 53	7 00	7 47	7 93	8 40	8 87	9 33
15	2 50	3 00	3 50	4 00	4 50	5 00	5 50	6 00	6 50	7 00	7 50	8 00	8 50	9 00	9 50	10 00
16	2 67	3 20	3 73	4 27	4 80	5 33	5 87	6 40	6 93	7 47	8 00	8 53	9 07	9 60	10 13	10 67
17	2 83	3 40	3 97	4 53	5 10	5 67	6 23	6 80	7 37	7 93	8 50	9 07	9 63	10 20	10 77	11 33
18	3 00	3 60	4 20	4 80	5 40	6 00	6 60	7 20	7 80	8 40	9 00	9 60	10 20	10 80	11 40	12 00
19	3 17	3 80	4 43	5 07	5 70	6 33	6 97	7 60	8 23	8 87	9 50	10 13	10 77	11 40	12 03	12 67
20	3 33	4 00	4 67	5 33	6 00	6 67	7 33	8 00	8 67	9 33	10 00	10 67	11 33	12 00	12 67	13 33
21	3 50	4 20	4 90	5 60	6 30	7 00	7 70	8 40	9 10	9 80	10 50	11 20	11 90	12 60	13 30	14 00
22	3 67	4 40	5 13	5 87	6 60	7 33	8 07	8 80	9 53	10 27	11 00	11 73	12 47	13 20	13 93	14 67
23	3 83	4 60	5 37	6 13	6 90	7 67	8 43	9 20	9 97	10 73	11 50	12 27	13 03	13 80	14 57	15 33
24	4 00	4 80	5 60	6 40	7 20	8 00	8 80	9 60	10 40	11 20	12 00	12 80	13 60	14 40	15 20	16 00
25	4 17	5 00	5 83	6 67	7 50	8 33	9 17	10 00	10 83	11 67	12 50	13 33	14 17	15 00	15 83	16 67
26	4 33	5 20	6 07	6 93	7 80	8 67	9 53	10 40	11 27	12 13	13 00	13 87	14 73	15 60	16 47	17 33
27	4 50	5 40	6 30	7 20	8 10	9 00	9 90	10 80	11 70	12 60	13 50	14 40	15 30	16 20	17 10	18 00
28	4 67	5 60	6 53	7 47	8 40	9 33	10 27	11 20	12 13	13 07	14 00	14 93	15 87	16 80	17 73	18 67
29	4 83	5 80	6 77	7 73	8 70	9 67	10 63	11 60	12 57	13 53	14 50	15 47	16 43	17 40	18 37	19 33
30	5 00	6 00	7 00	8 00	9 00	10 00	11 00	12 00	13 00	14 00	15 00	16 00	17 00	18 00	19 00	20 00

Salary Table for Payments by the Month, or fractions thereof.
Month of 31 days--Rates from \$5 to \$20.

	\$5	\$6	\$7	\$8	\$9	\$10	\$11	\$12	\$13	\$14	\$15	\$16	\$17	\$18	\$19	\$20
DAYS.																
1	16	19	23	26	29	32	35	39	42	45	48	52	55	58	61	65
2	32	39	45	52	58	65	71	77	84	90	97	1 03	1 10	1 16	1 23	1 29
3	48	58	68	77	87	97	1 06	1 16	1 26	1 35	1 45	1 55	1 65	1 74	1 84	1 94
4	65	77	90	1 03	1 16	1 29	1 42	1 55	1 68	1 81	1 94	2 06	2 19	2 32	2 45	2 58
5	81	97	1 13	1 29	1 45	1 61	1 77	1 94	2 10	2 26	2 42	2 58	2 74	2 90	3 06	3 23
6	97	1 16	1 35	1 55	1 74	1 94	2 13	2 32	2 53	2 71	2 90	3 10	3 29	3 48	3 68	3 87
7	1 13	1 35	1 58	1 81	2 03	2 26	2 48	2 71	2 94	3 16	3 39	3 61	3 84	4 06	4 29	4 52
8	1 29	1 55	1 81	2 06	2 32	2 58	2 84	3 10	3 35	3 61	3 87	4 13	4 39	4 65	4 90	5 16
9	1 45	1 74	2 03	2 32	2 61	2 90	3 19	3 48	3 77	4 06	4 35	4 65	4 94	5 23	5 52	5 81
10	1 61	1 94	2 26	2 58	2 90	3 23	3 55	3 87	4 19	4 52	4 84	5 16	5 48	5 81	6 13	6 45
11	1 77	2 13	2 48	2 84	3 19	3 55	3 90	4 26	4 61	4 97	5 32	5 68	6 03	6 39	6 74	7 10
12	1 94	2 32	2 71	3 10	3 48	3 87	4 26	4 65	5 03	5 42	5 81	6 19	6 58	6 97	7 35	7 74
13	2 10	2 52	2 94	3 35	3 77	4 19	4 61	5 03	5 45	5 87	6 29	6 71	7 13	7 55	7 97	8 39
14	2 26	2 71	3 16	3 61	4 06	4 52	4 97	5 42	5 87	6 32	6 77	7 23	7 68	8 13	8 58	9 03
15	2 42	2 90	3 39	3 87	4 35	4 84	5 32	5 81	6 29	6 77	7 26	7 74	8 23	8 71	9 19	9 68
16	2 58	3 10	3 61	4 13	4 65	5 16	5 68	6 19	6 71	7 23	7 74	8 26	8 77	9 29	9 81	10 32
17	2 74	3 29	3 84	4 39	4 94	5 48	6 03	6 58	7 13	7 68	8 23	8 77	9 32	9 87	10 42	10 97
18	2 90	3 48	4 06	4 65	5 23	5 81	6 39	6 97	7 55	8 13	8 71	9 29	9 87	10 45	11 03	11 61
19	3 06	3 68	4 29	4 90	5 52	6 13	6 74	7 35	7 97	8 58	9 19	9 81	10 42	11 03	11 64	12 26
20	3 23	3 87	4 52	5 16	5 81	6 45	7 10	7 74	8 39	9 03	9 68	10 32	10 97	11 61	12 26	12 90
21	3 39	4 06	4 74	5 42	6 10	6 77	7 45	8 13	8 81	9 48	10 16	10 84	11 52	12 19	12 87	13 55
22	3 55	4 26	4 97	5 68	6 39	7 10	7 81	8 52	9 23	9 94	10 64	11 35	12 06	12 77	13 48	14 19
23	3 71	4 45	5 19	5 94	6 68	7 42	8 16	8 90	9 65	10 39	11 13	11 87	12 61	13 35	14 10	14 84
24	3 87	4 65	5 42	6 19	6 97	7 74	8 52	9 29	10 06	10 84	11 61	12 39	13 16	13 93	14 71	15 48
25	4 03	4 84	5 65	6 45	7 26	8 06	8 87	9 68	10 48	11 29	12 10	12 90	13 71	14 52	15 32	16 13
26	4 19	5 03	5 87	6 71	7 55	8 39	9 23	10 06	10 90	11 74	12 58	13 42	14 26	15 10	15 93	16 77
27	4 35	5 23	6 10	6 97	7 84	8 71	9 58	10 45	11 32	12 19	13 06	13 93	14 81	15 68	16 55	17 42
28	4 52	5 42	6 32	7 23	8 13	9 03	9 94	10 84	11 74	12 64	13 55	14 45	15 35	16 26	17 16	18 06
29	4 68	5 61	6 55	7 48	8 42	9 35	10 29	11 22	12 16	13 10	14 03	14 97	15 90	16 84	17 77	18 71
30	4 84	5 81	6 77	7 74	8 71	9 68	10 64	11 61	12 58	13 55	14 52	15 48	16 45	17 42	18 39	19 35
31	5 00	6 00	7 00	8 00	9 00	10 00	11 00	12 00	13 00	14 00	15 00	16 00	17 00	18 00	19 00	20 00

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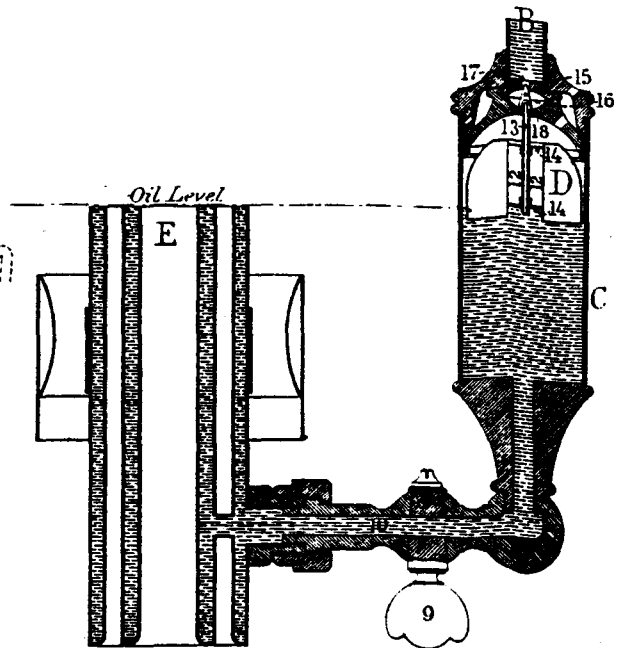
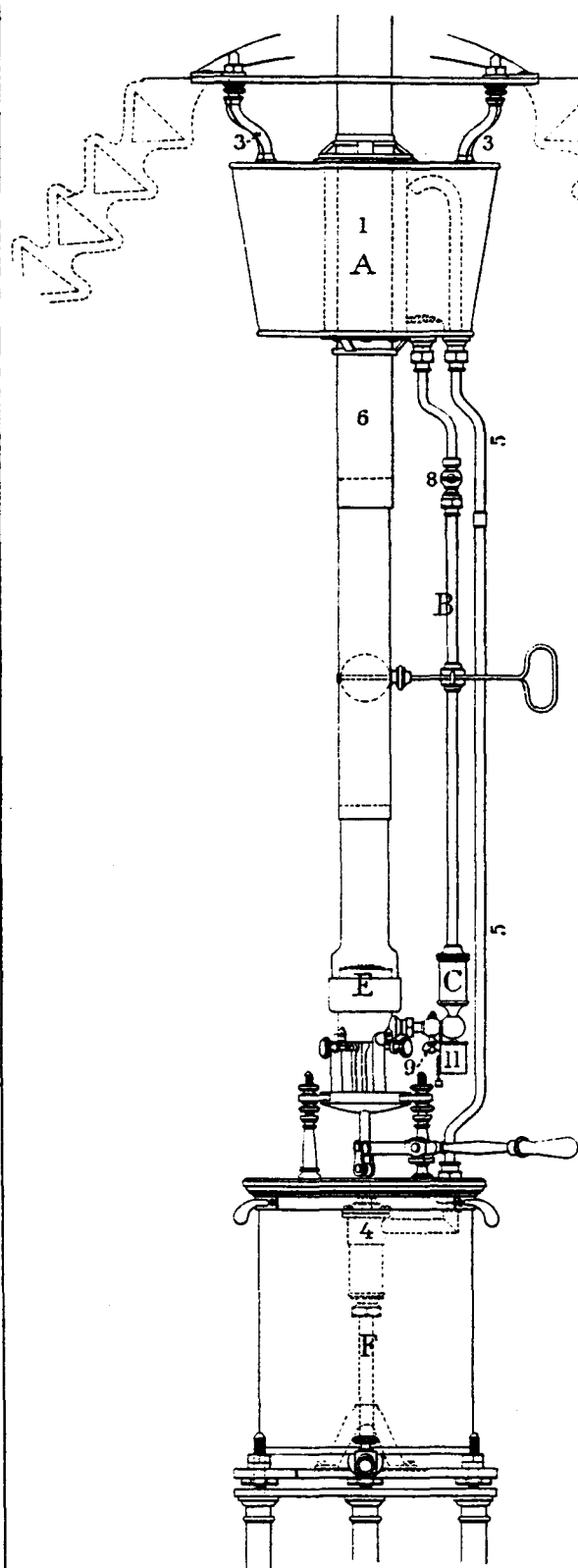
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FUNCK'S HYDRAULIC FLOAT LAMP

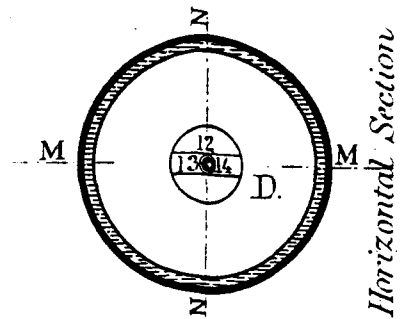
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1ST AND 2ND ORDER LENSES.

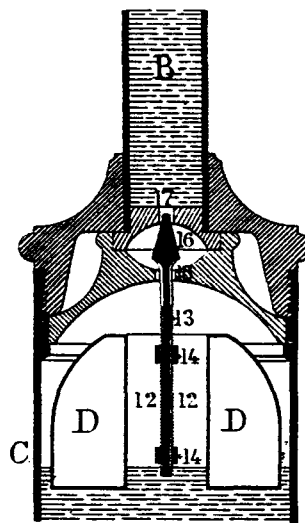
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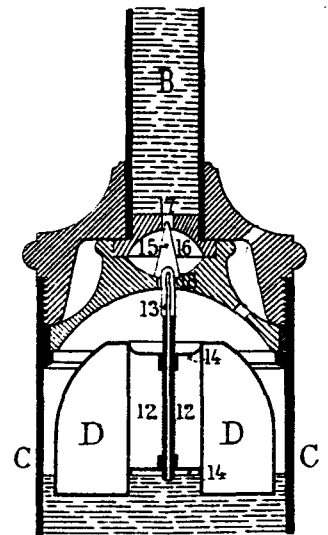
Section through Float Chamber C.



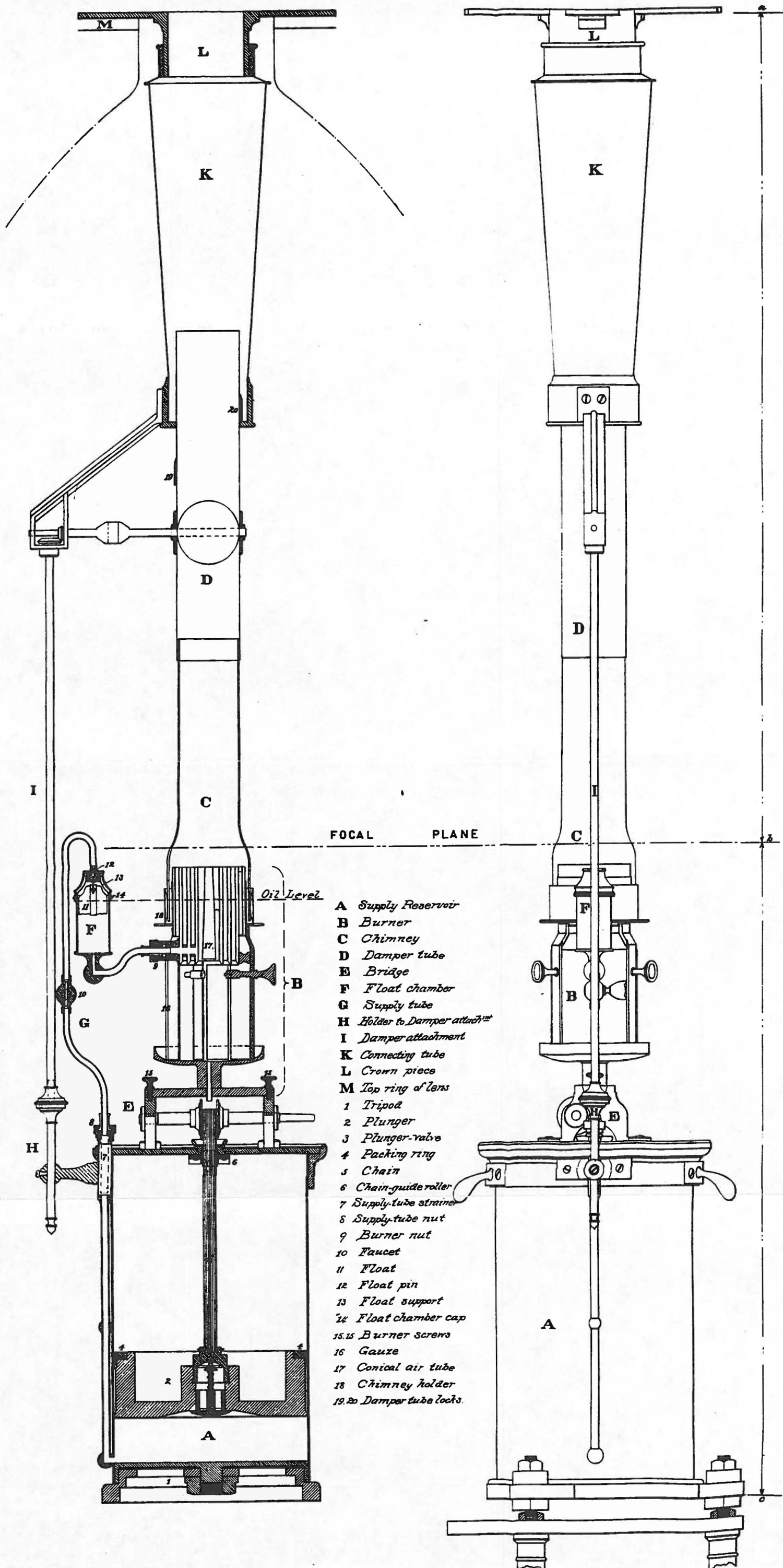
Horizontal Section



Vertical Section N.N.

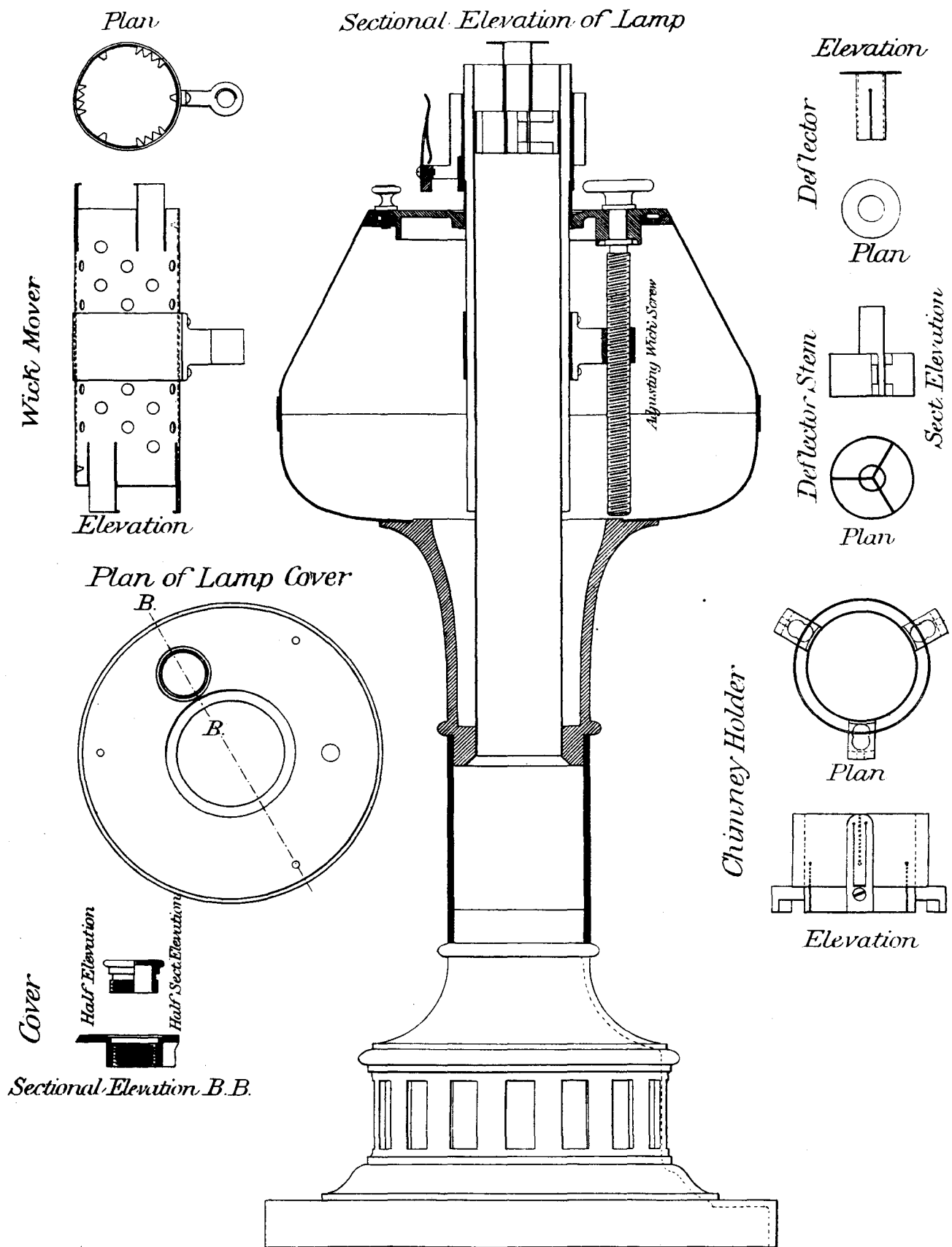


Vertical Section M.M.



HAINS MINERAL OIL LAMP FOR 4TH, 5TH AND 6TH ORDER LENSES.

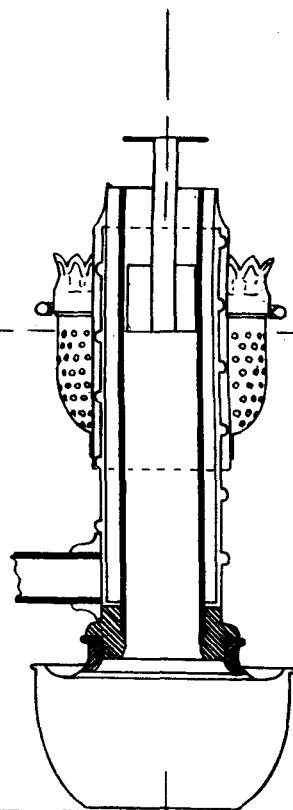
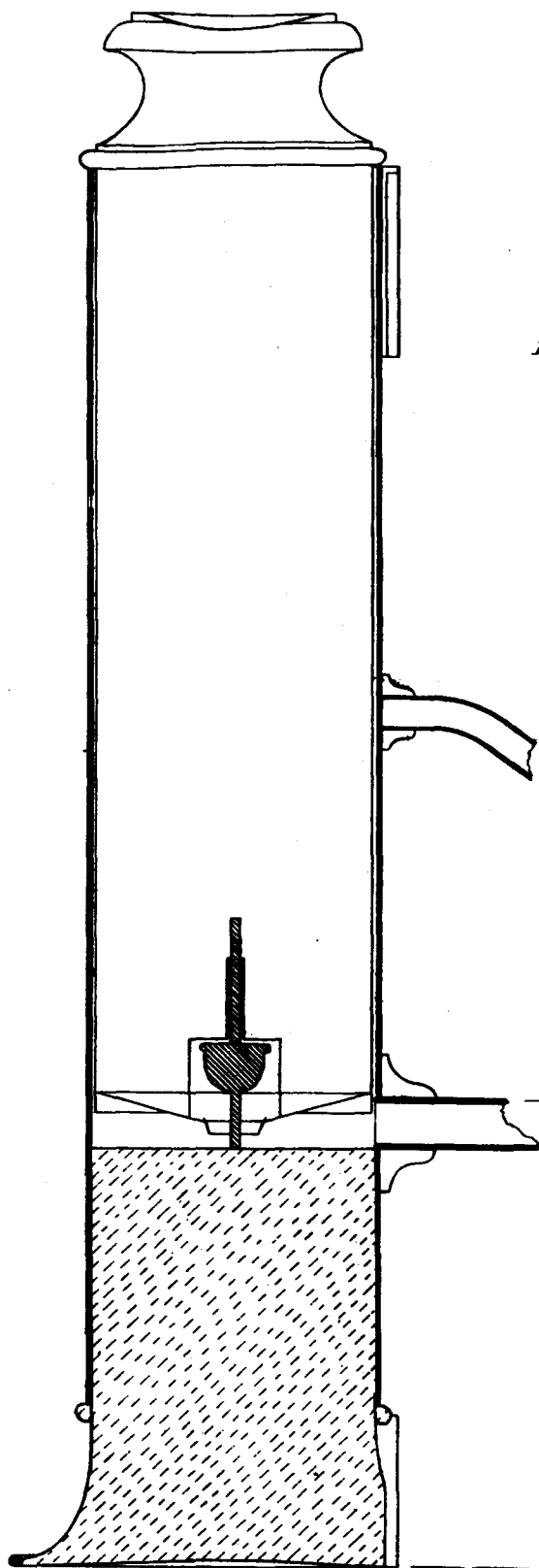
Plate 3.



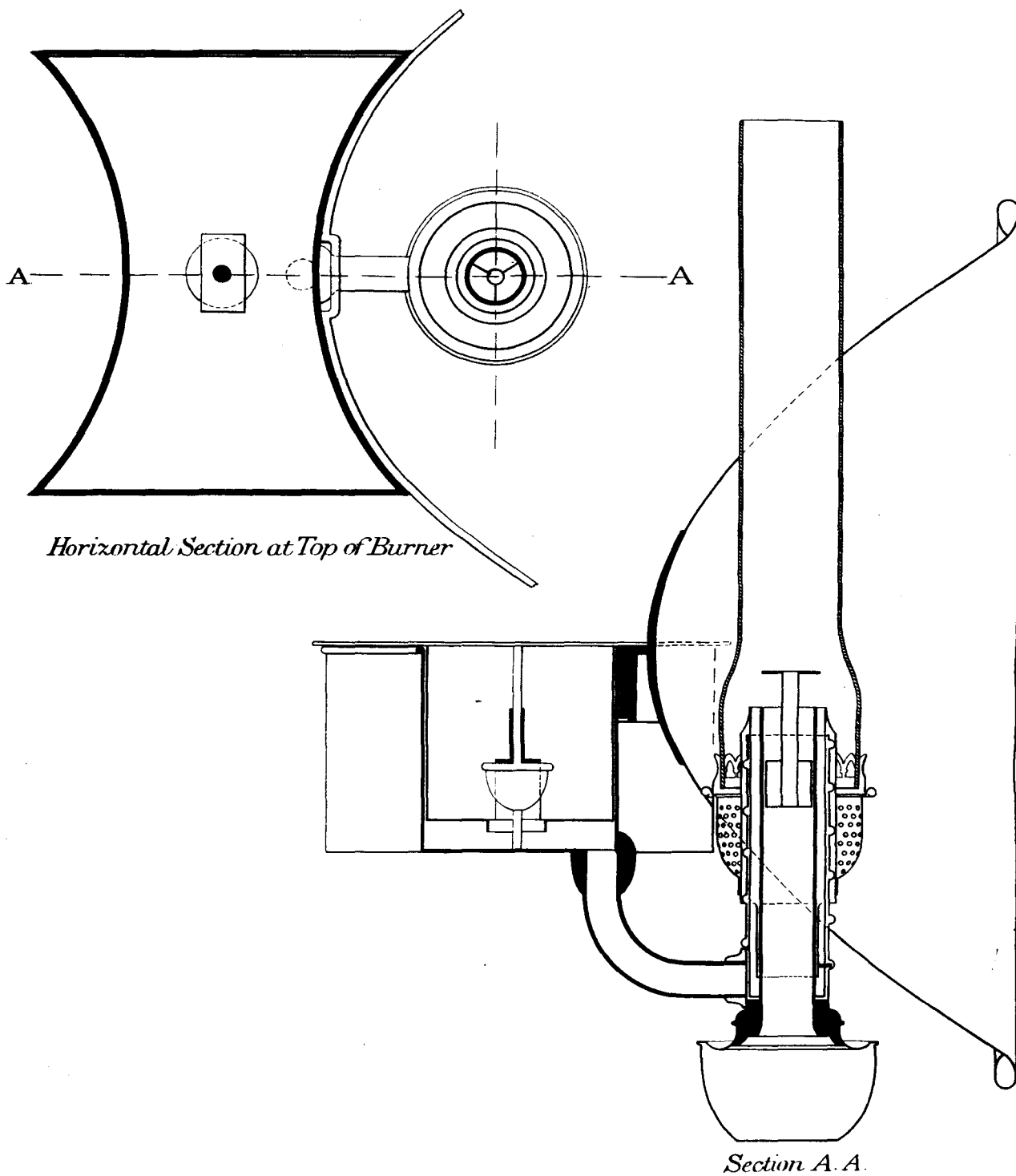
CONSTANT LEVEL LAMP

Scale

1" 1/2 0 1 2 3 4 inches



LIGHT SHIP LAMP

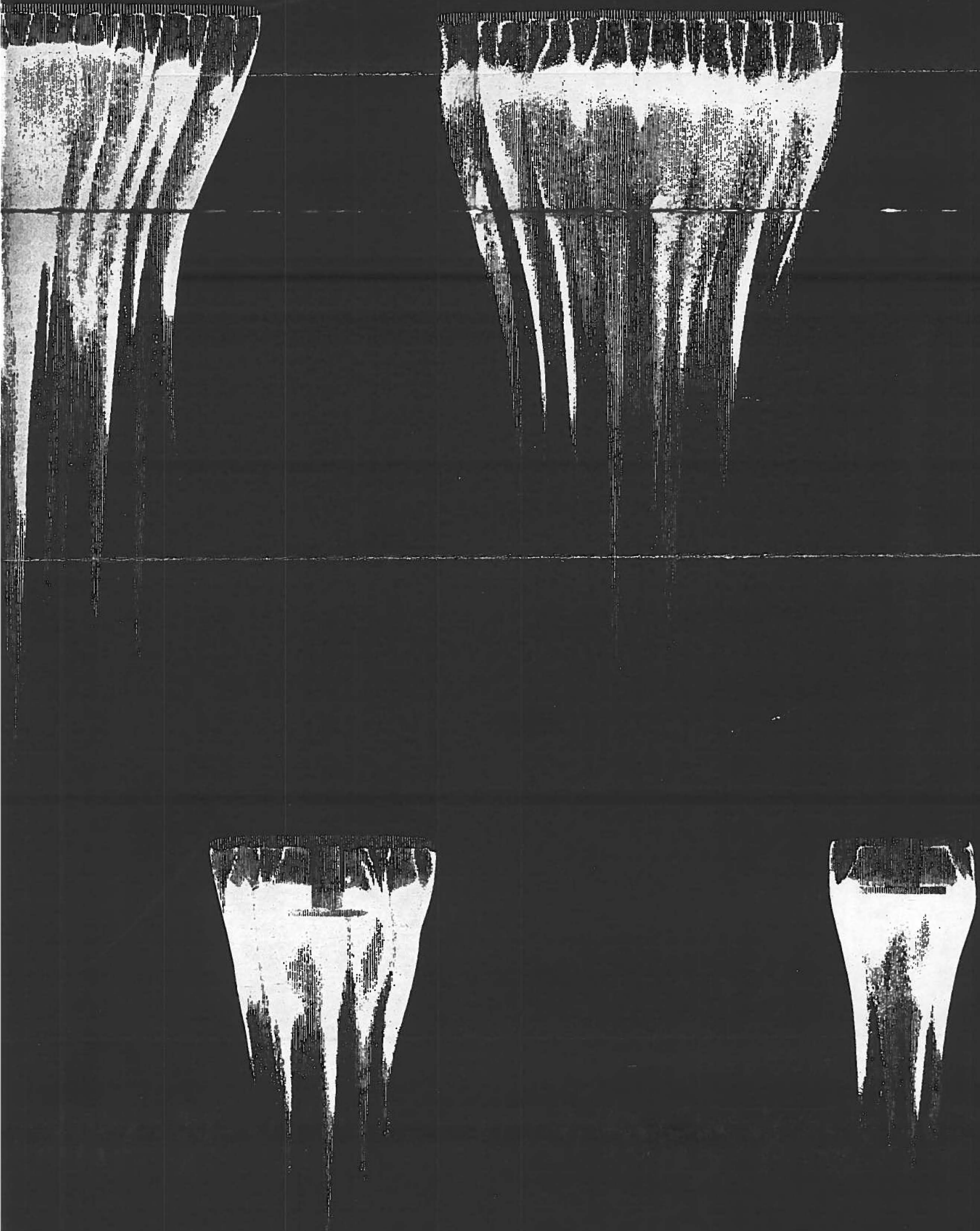


ONE WICK.

FOUR WICKS.

TWO WICKS.

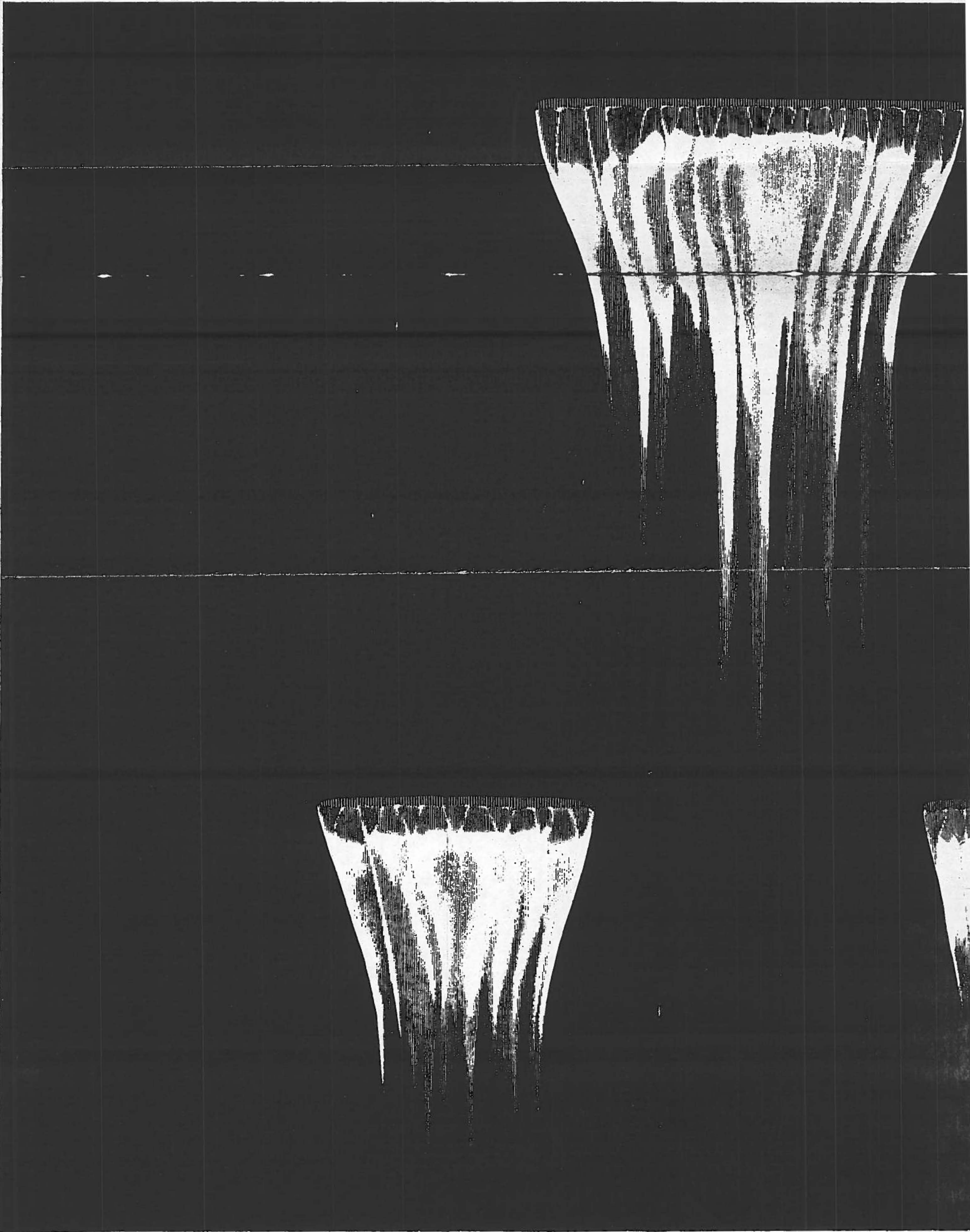
FIVE



DIAGRAMS OF FLAMES-NATU

FLAMES,-NATURAL SIZE.

Plate 6.



FIVE WICKS.

THREE WICKS.

PRICE LIST of PARTS.

Machine	
1 Bed	25.00 18.00
2 Whole Leg	10.00 7.00
3 Split Leg	10.00 7.00
4 Boxes for Sprocket Shaft	6.00 4.50
5 Sprocket-Drum with Ratchet and Shaft	25.00 18.00
6 Ratchet Wheel	7.00 5.00
7 Pawl for Ratchet	2.00 1.50
8 Springs for Pawl N°7 (long and short)	.50 .30
9 Winding Gear	3.00 4.00
10 Winding Pinion and Crank	5.00 3.50
11 Stud for Winding Pinion and Crank	2.00 1.75
12 Chain per foot	.40 .35
13 "Even-ing Chain"	2.00 1.75
14 Idler Pulleys for Chain	3.50 3.00
15 Stud for Idler Pulleys	3.00 2.50
16 "Even-ing Pulley"	4.00 3.00
17 Short Striking Pallet	6.00 5.00
18 Long Striking Pallet	6.00 5.00
19 Guide for Pallets	6.00 5.00
20 "Cradle"	15.00 12.50
21 Cradle-Arm	10.00 8.00
22 Shaft for Cradle	5.00 4.00
23 Boxes for Cradle Shaft	6.00 5.00
24 Clock Winding Cam	5.00 4.00
25 Quadrant	25.00 17.50
26 Spiral Spring for Quadrant	.10 .10
27 Pawl or Click for Quadrant each	5.00 4.00
28 Latch for Quadrant each	4.00 3.00
29 Stop Ferrule for Cradle Arm	.50 .50
30 Screw for Stop Ferrule	.50 .50
31 "Adjusting End" for Connecting Rod	3.50 3.00
32 Connecting Rod	
33 "Short End" for Connecting Rod	1.50 1.25
34 Hammer-Shaft with Lever	11.00 8.00
35 Hammer	5.00 4.00
36 Back Frame for Hammer	3.00 2.00
37 Base for Hammer	3.50 3.00
38 Hammer Spring each	4.50 3.50
39 "Wrist Joint" Clamp	1.00 .75
40 Connection Rod for "Wrist Joint"	2.00 1.75
41 Adjustable Arm for Wrist Joint	1.50 1.25
42 Stands for "Top" Shaft each	1.50 1.25
43 "Top" Shaft	3.00 2.25
44 Figure Four Hook	3.50 2.75
45 Spring for Fig. Four Hook	.25 .25
46 Escapement Arm with Quill and "Knock Off"	10.00 7.50
47 Trip for Escapement Arm	1.50 1.25
48 Spring for Escapement Arm	.20 .20
49 Link for Spring N° 49	.50 .50
50 Stand for Spring Adjustment	.50 .50
51 Adjusting Screw and Nut for Spring N° 49	1.50 1.50
52 Detent Arm	2.50 2.50
53 Short Detent	1.50 1.00
54 Long Detent	1.50 1.00
55 Base for Detent Arm	2.50 2.00
56 Thumb-Screw for Detent Arm	.25 .25
57 Capstan-Head Screw for Detent Arm	.25 .25
58 Spring for Detent Arm	.20 .20
59 "Let-off"	1.50 1.25
60 Time Wheel	1.00 1.50
61 Clock	40.00 30.00
62 Winding Arm for Clock	1.50 1.50
63 Friction Roller for Winding Arm	.50 .50
Double Pulley	5.00 4.00

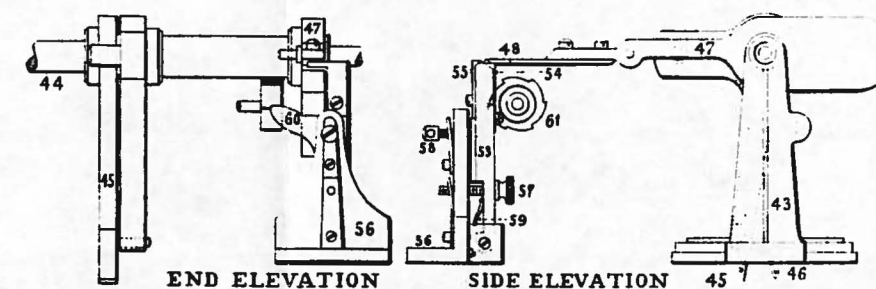
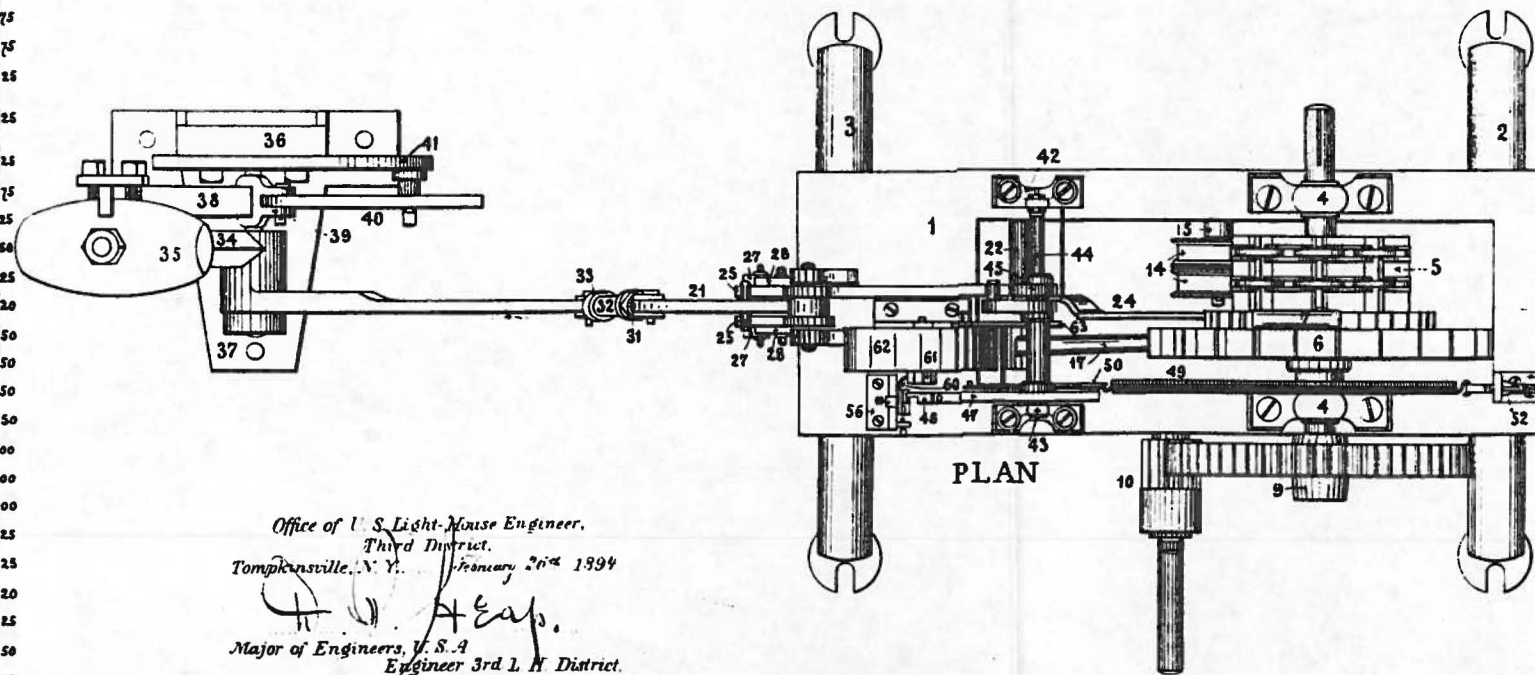
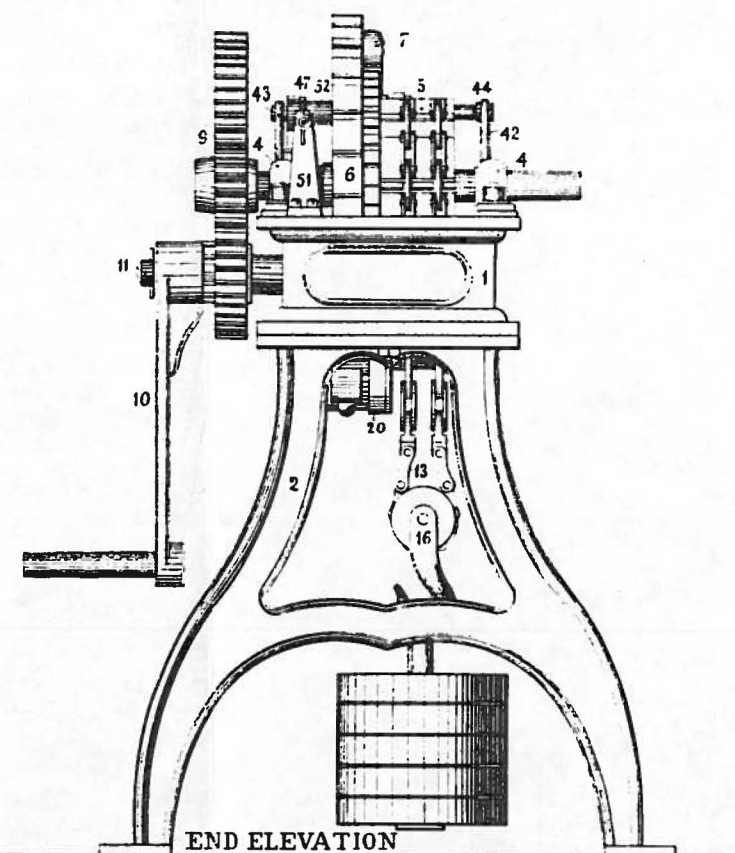
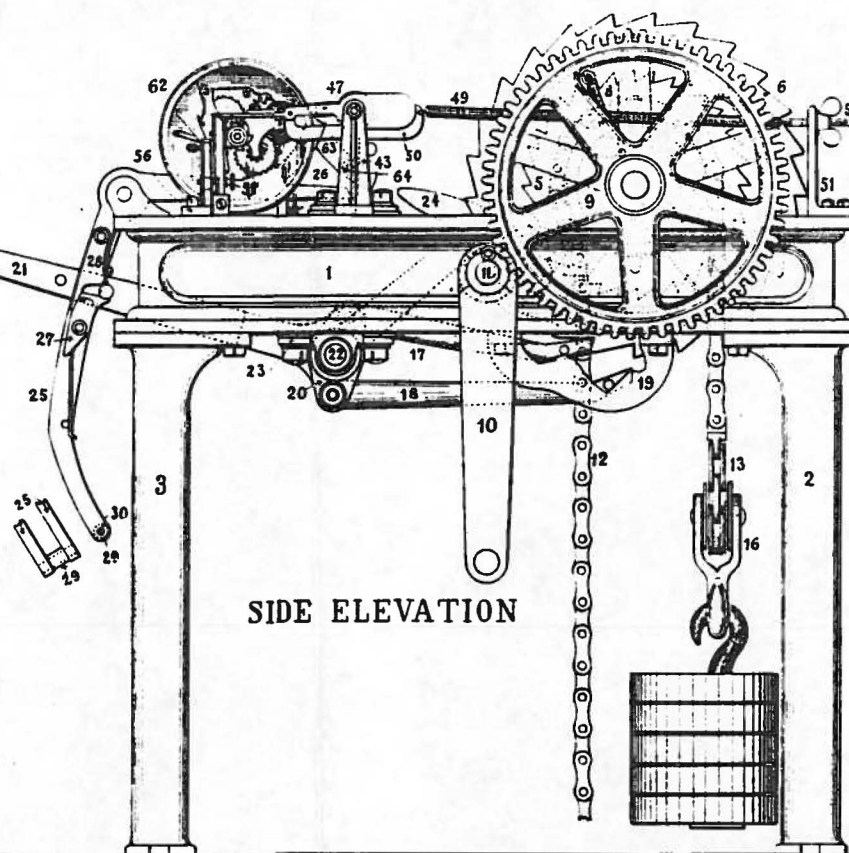
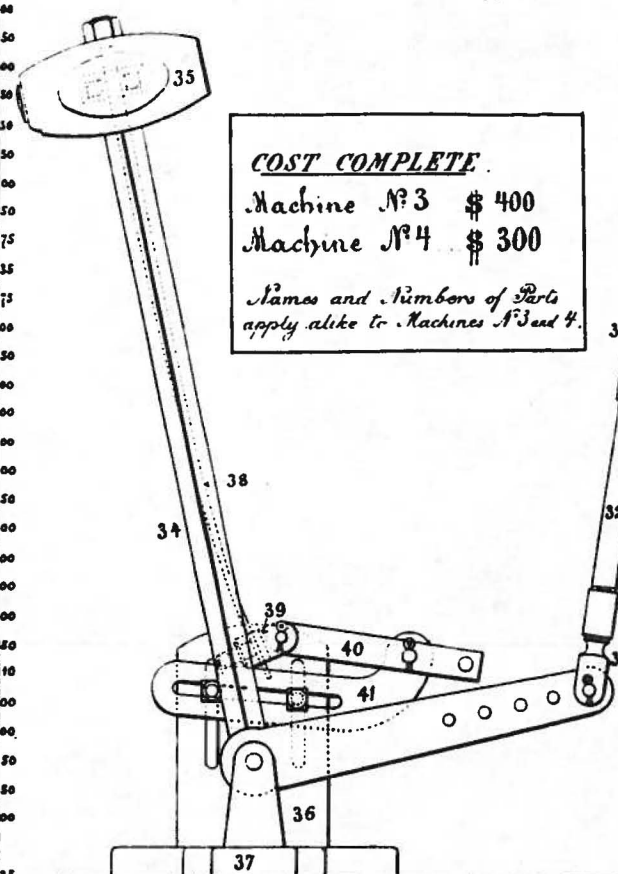
GAMEWELL FOG BELL STRIKING APPARATUS

COST COMPLETE.

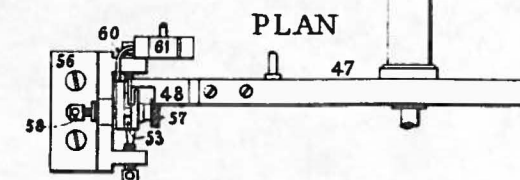
Machine N°3 \$ 400

Machine N°4 \$ 300

Names and Numbers of Parts
apply alike to Machines N°3 and 4.



Details of
ESCAPEMENT
Scale in inches



Scale of Principal Views
Scale in feet

Office of U. S. Light-House Engineer,
Third District,
Tompkinsville, N. Y. January 26th 1894
H. V. Heap.
Major of Engineers, U. S. A.
Engineer 3rd L. H. District.

BROWN'S STEAM FOG SIREN

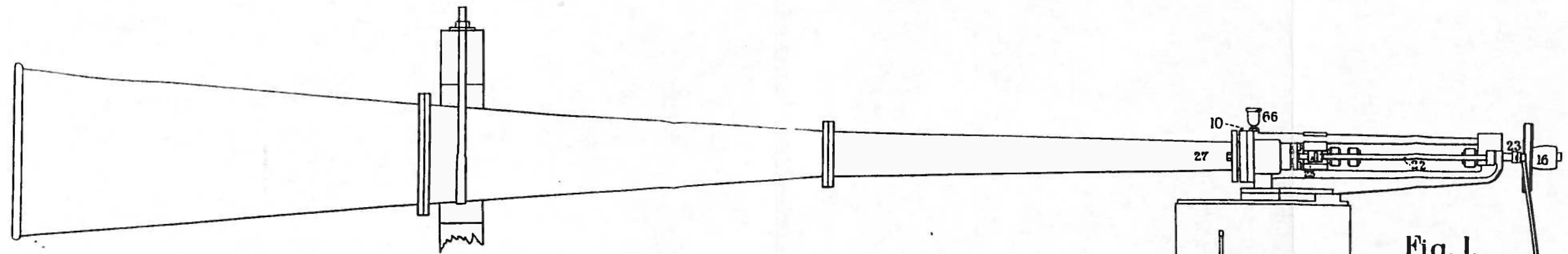


Fig. 1.

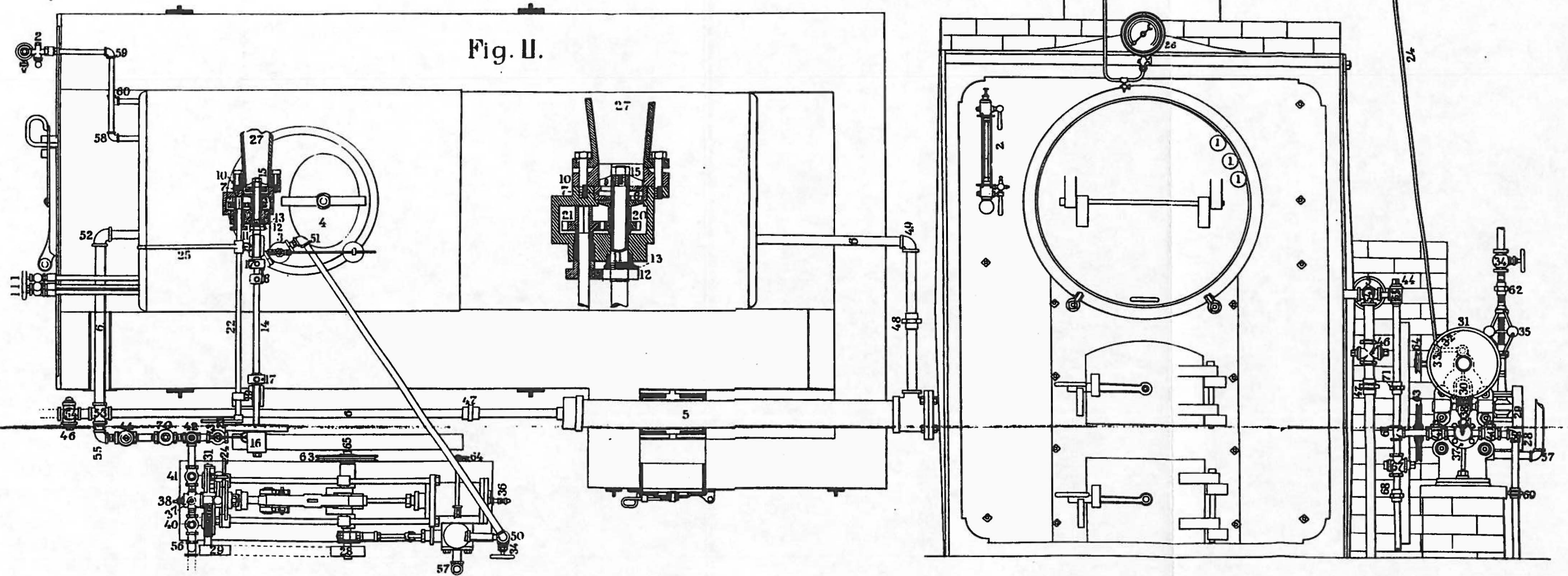
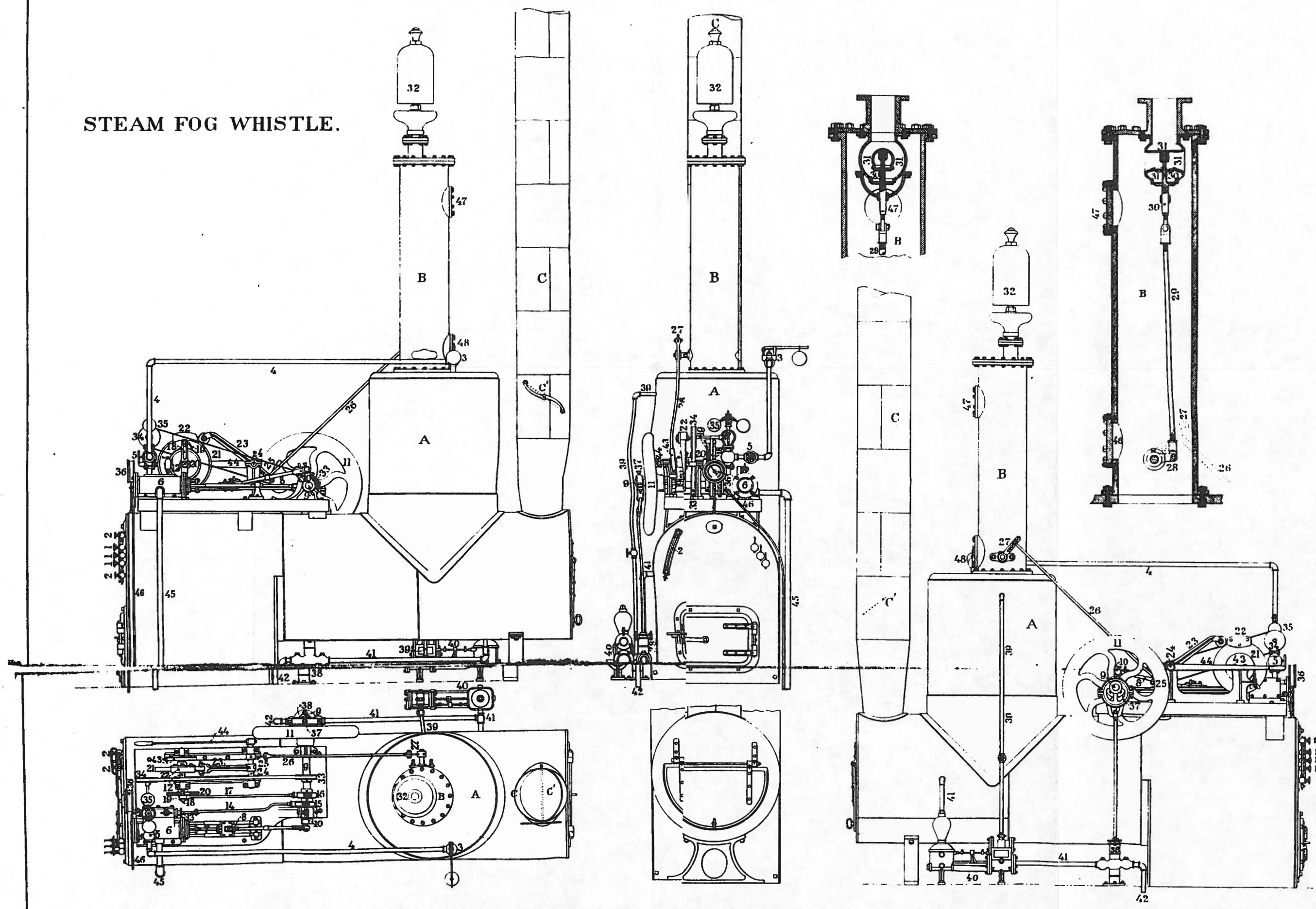
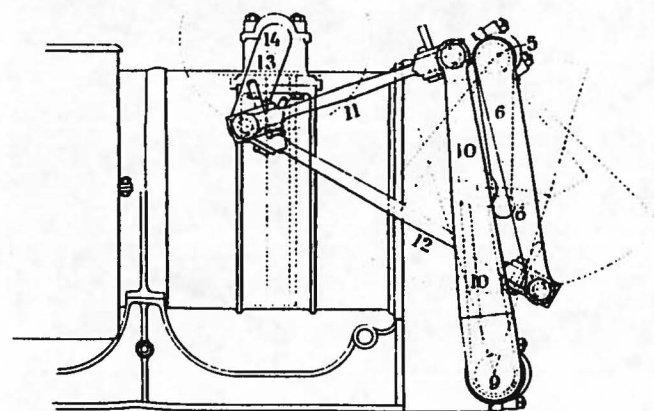
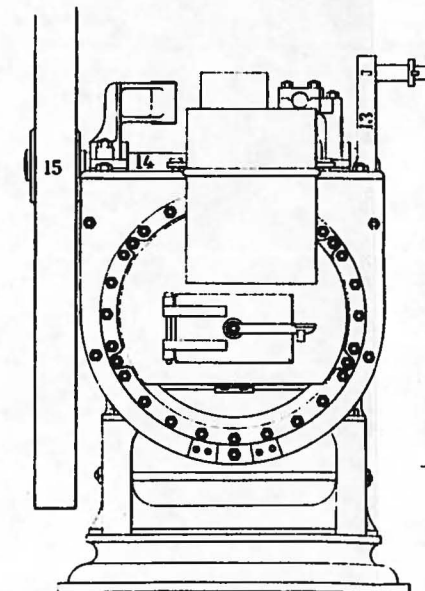
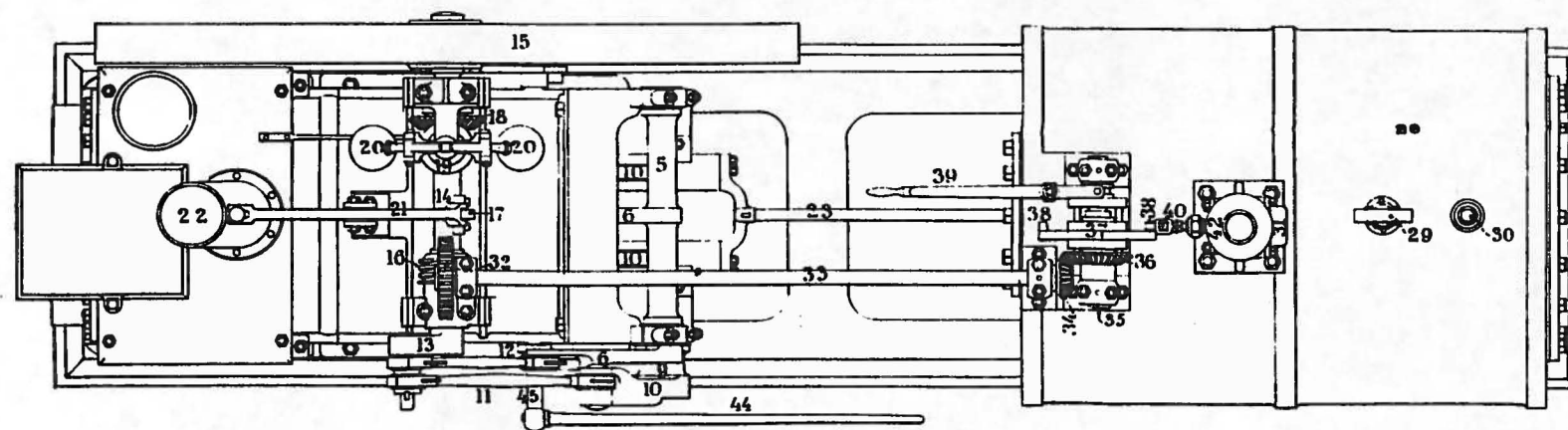
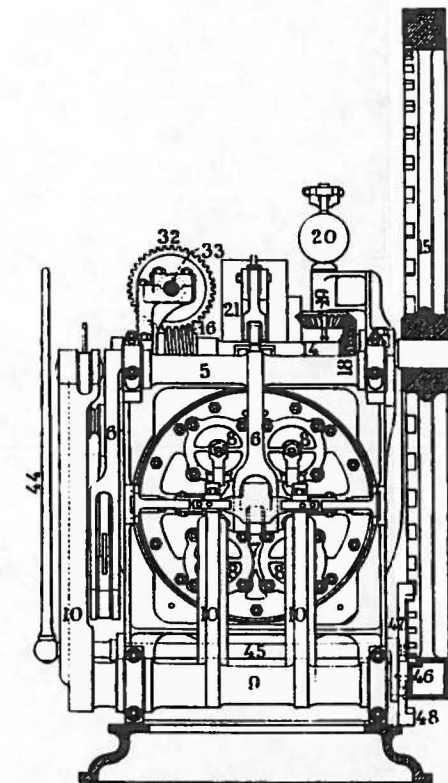
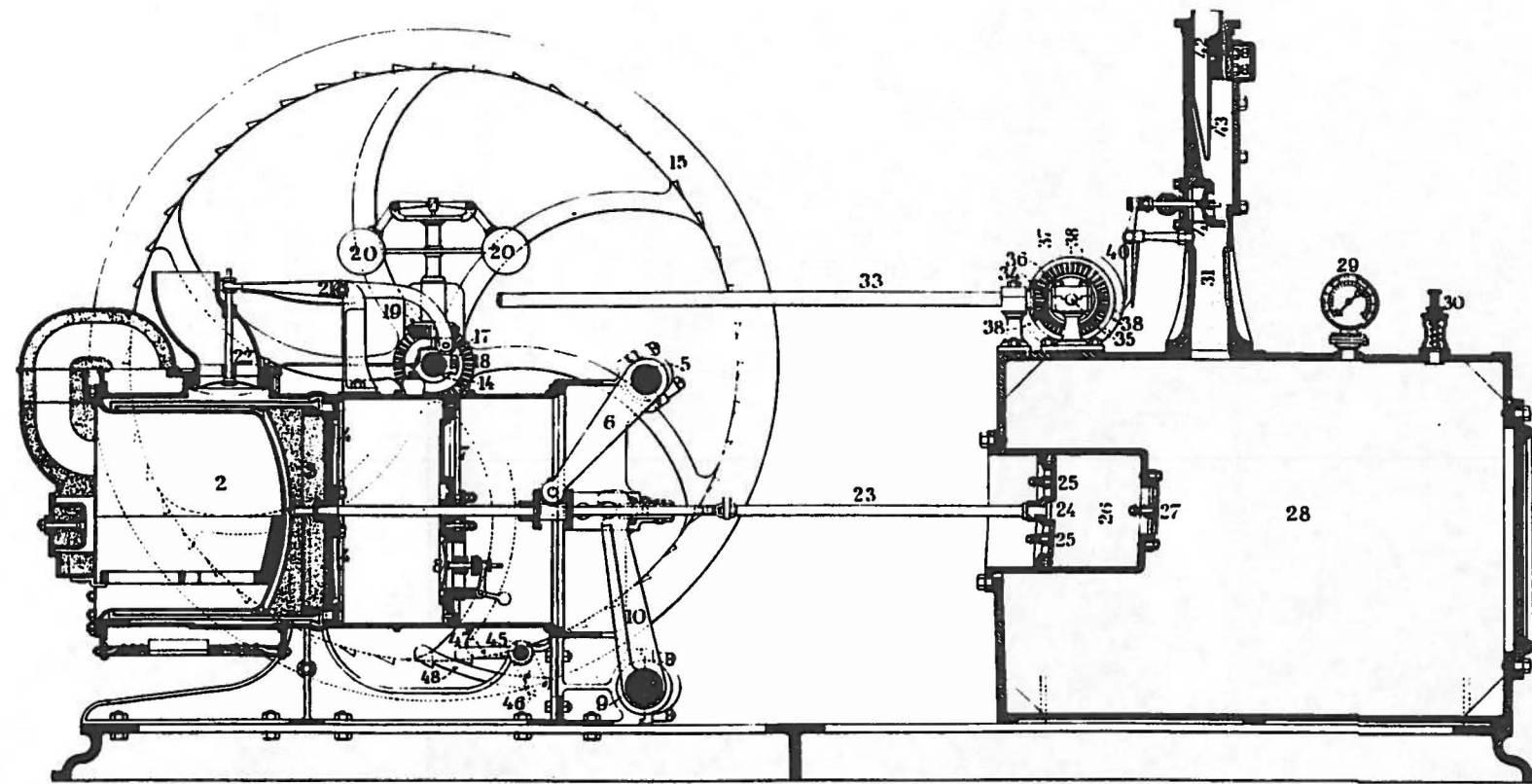


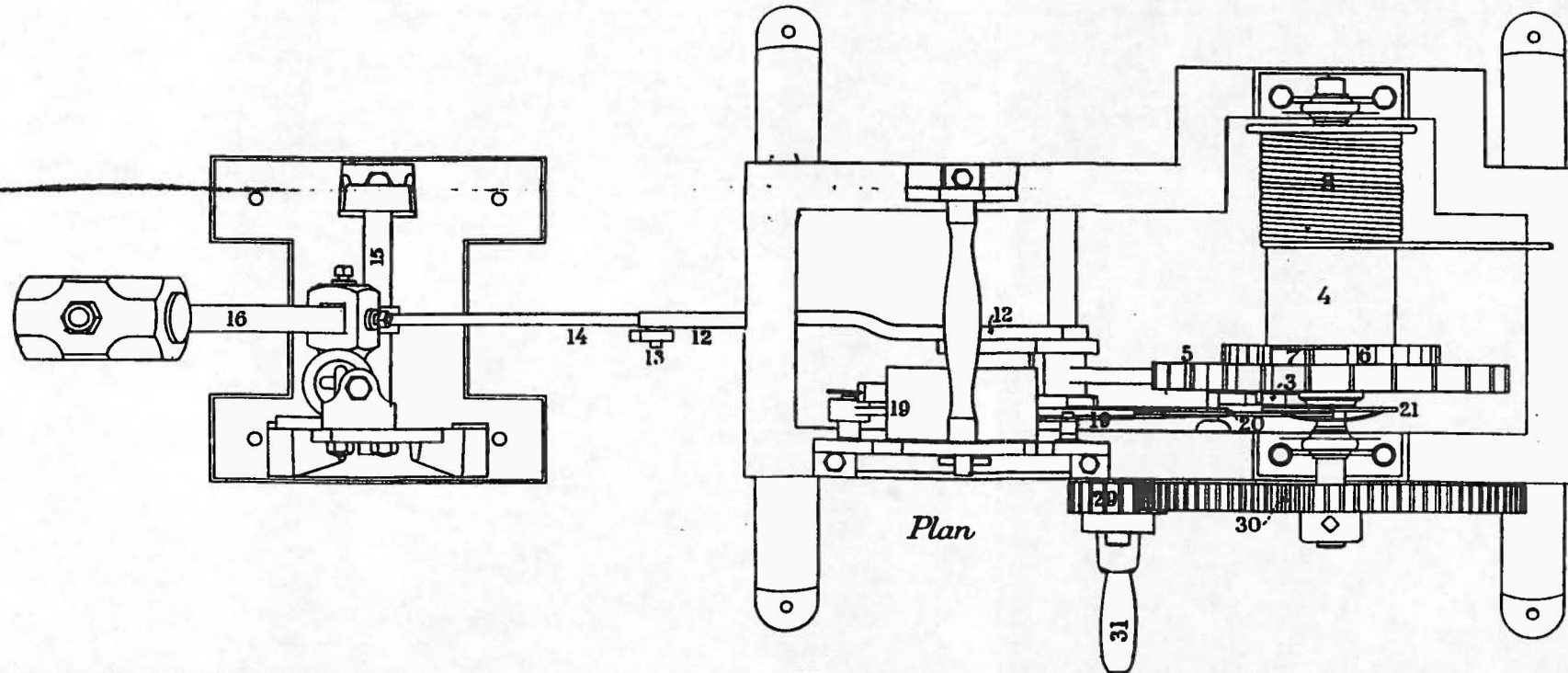
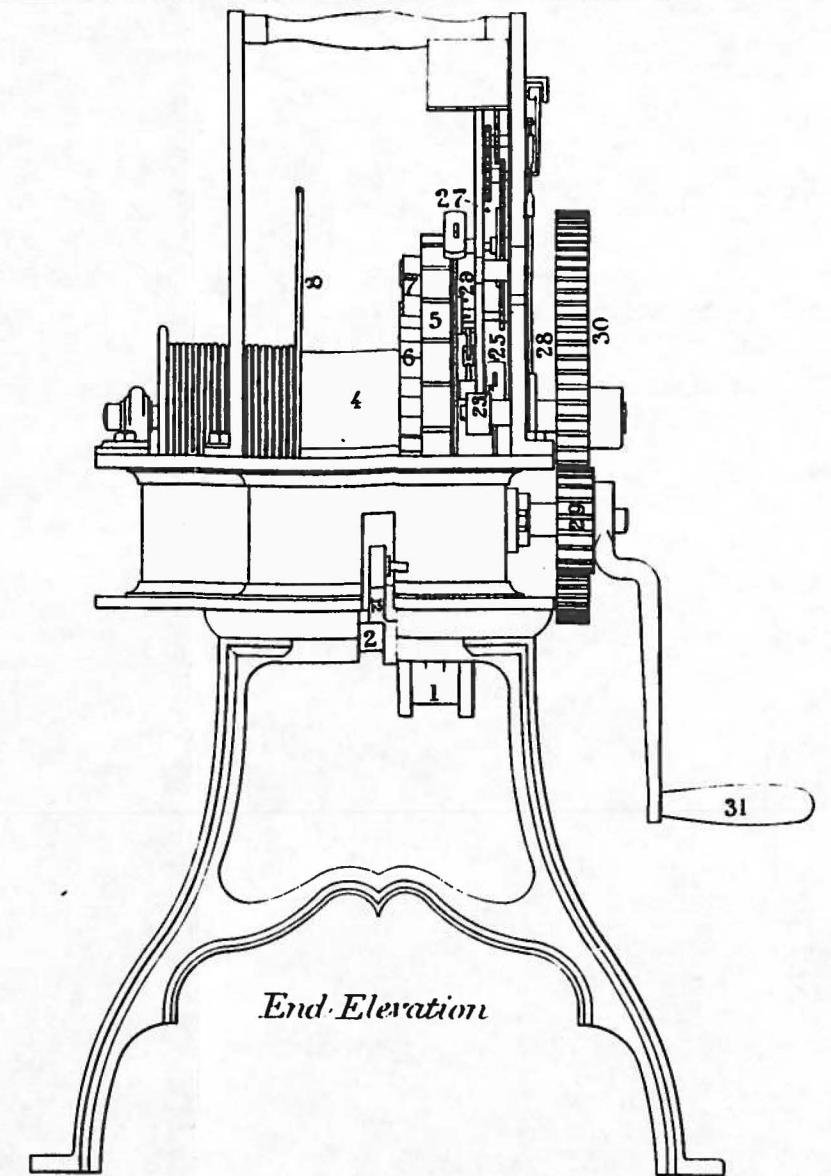
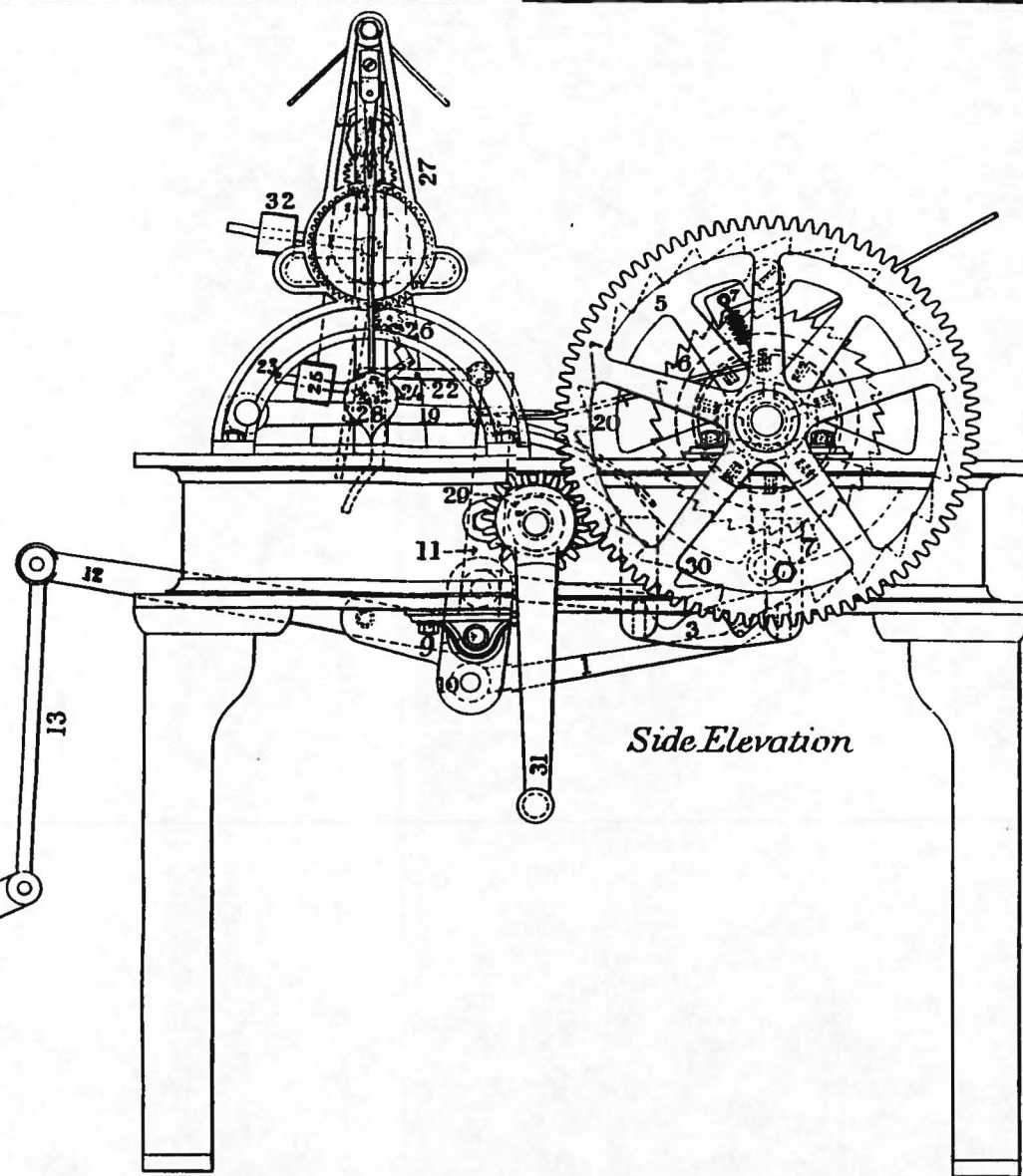
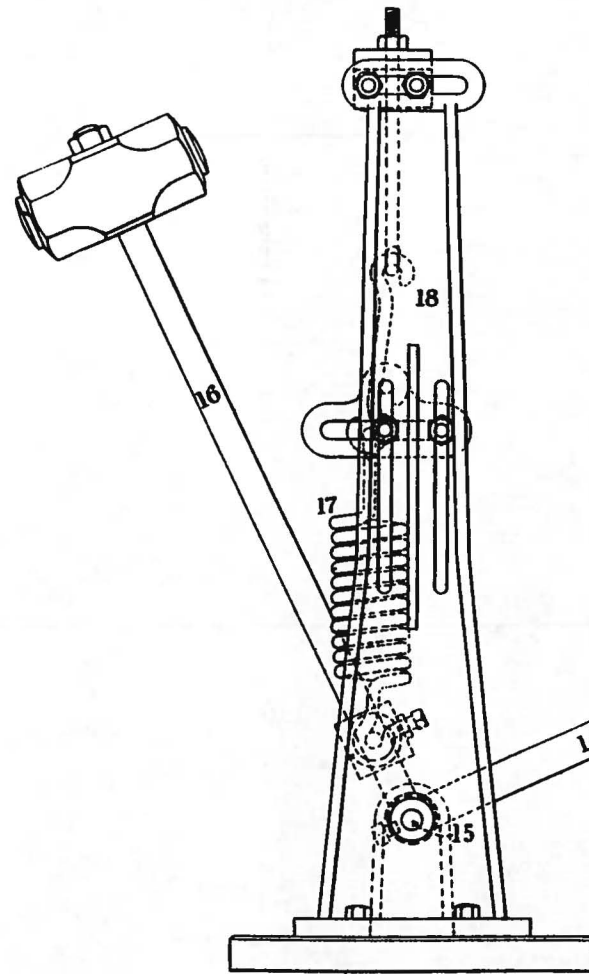
Fig. II.

STEAM FOG WHISTLE.

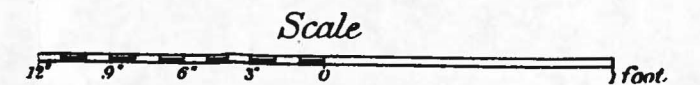


DABOLL'S FOG SIGNAL WITH ERICSSON'S CALORIC ENGINE.





STEVEN'S FOG BELL APPARATUS



U. S. FIVE WICK MINERAL OIL LAMP

1885.

- A Supply Reservoir
- B Burner
- C Chimney
- D Damper tube
- E Bridge
- F Float Chamber - brass
- G Supply tube
- H Holder to Damper attachment
- I Damper attachment
- K Connecting tube
- L Crown piece

- 1 Tripod
- 2 Plunger
- 3 Plunger valve
- 4 Packing ring
- 5 Chain
- 6 Chain guide roller
- 7 Supply tube strainer
- 8 Supply tube nut
- 9 Burner nut
- 10 Faucet
- 11 Float
- 12 Float pin
- 13 Float support
- 14 Float chamber cap
- 15-15 Burner screws
- 16 Gauze
- 17 Conical air tube
- 18 Chimney holder
- 19-20 Damper tube locks
- 21 Cleaning tube nut

Office of Engineer 3rd Lt. Ho. District,
Tompkinsville N.Y. March 26th 1889.

Major of Engineer, U.S.A.
Engineer 3rd Lt. Ho. Distr.

