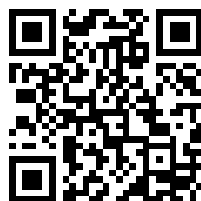


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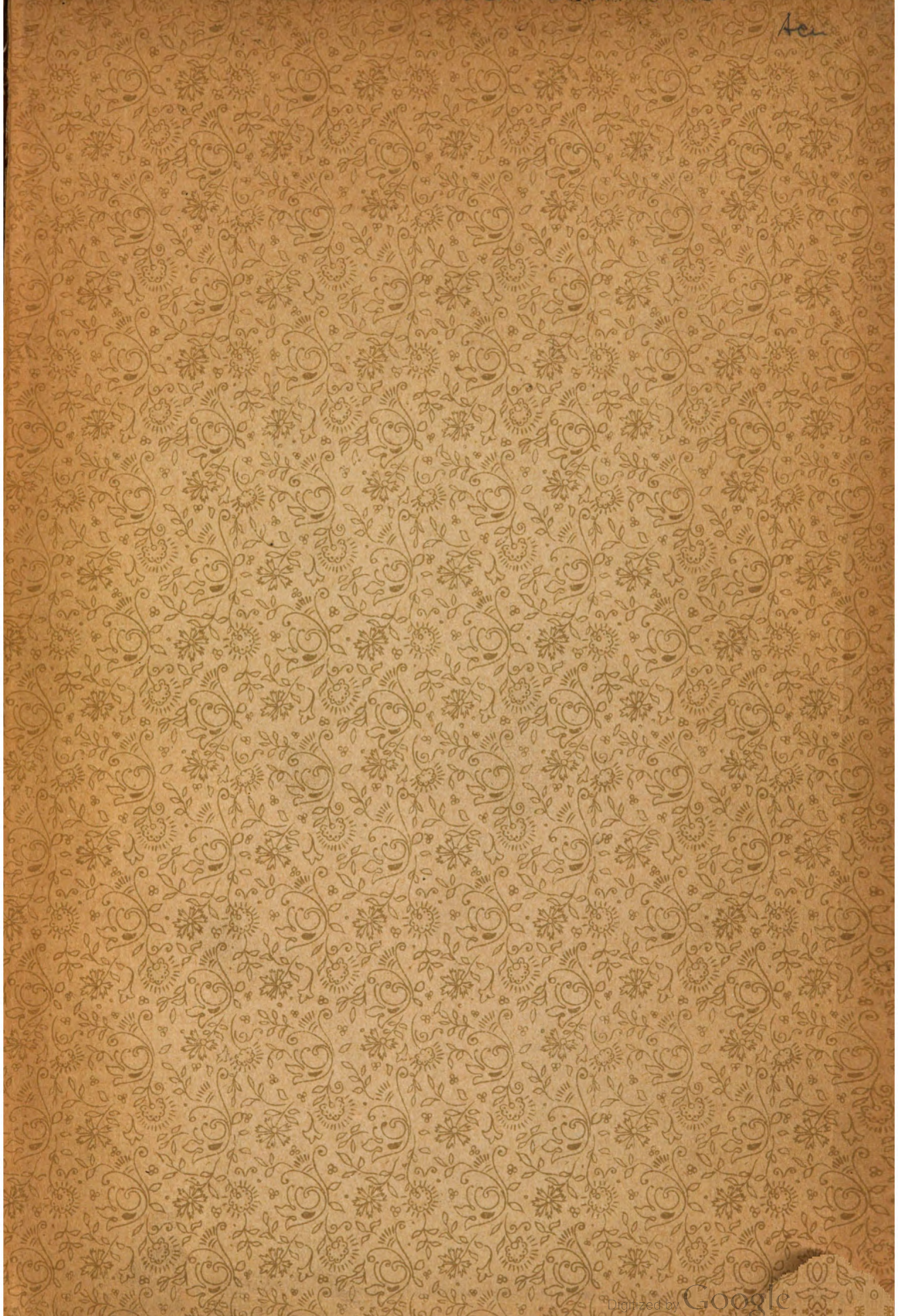
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C. T. HAMMAN MANUFACTURING CO.'S BUILDING
ERECTED 1890.



FRONTAGE, 200 FEET, DEPTH, 60 FEET.





ROCHESTER, N.Y.

C. T. Ham Manufacturing Co.,

MANUFACTURERS OF

TUBULAR AND RAILROAD LAMPS and LANTERNS.

♦ ♦ ♦ ♦ ♦

	<p>Tubular Station Lamps,</p> <p>Tubular Bridge Signal Lamps,</p>	
<p>Tubular Lanterns,</p>	<p>Tubular Dash Lamps,</p>	<p>Railroad Rear Signal Lamps,</p>
<p>Tubular Street Lamps,</p>	<p>Tubular Side Reflector Lamps,</p>	<p>Cab and Gauge Lamps,</p>
<p>Tubular Square Lamps,</p>	<p>Railroad Hand Lanterns.</p>	<p>Pole Target Lamps, Etc.</p>
	<p>Railroad Switch Target Lamps,</p>	
	<p>Railroad Caboose Lamps,</p> <p>Railroad Tail Lamps,</p>	

♦ ♦ ♦ ♦ ♦

Office and Manufactory:

ROCHESTER, N. Y.

• 1896 •

17200

ERNEST HART,
PRINTER,
ROCHESTER, N. Y.

Ham's "CLIPPER LIFT," No. 0, Oval Tube, Tin Tubular Lantern.

A FINE LANTERN.

No. 1 Burner. $\frac{5}{8}$ inch Wick.

No. 0 Globe.

Locked Burner. Basket Guard.

Quickly raised and lowered.

Oil Fount re-tinned.

A thoroughly serviceable lantern in every respect, strongly made and nicely finished.

THE OIL POT IS RE-TINNED TO PREVENT LEAKAGE.

The burner being locked makes it an absolutely safe lantern.

The lift movement is simple and efficient, raising globe to height allowing ample room to remove burner or trim wick.

The globe is very easily removed from within the guards, making it without doubt the easiest handled lantern on the market.

Packed in cases of 1 dozen each.

Furnished in the following styles:

Figure

50 —Plain Tin.

73C— " " Copper Plated.

73D— " " Brass "

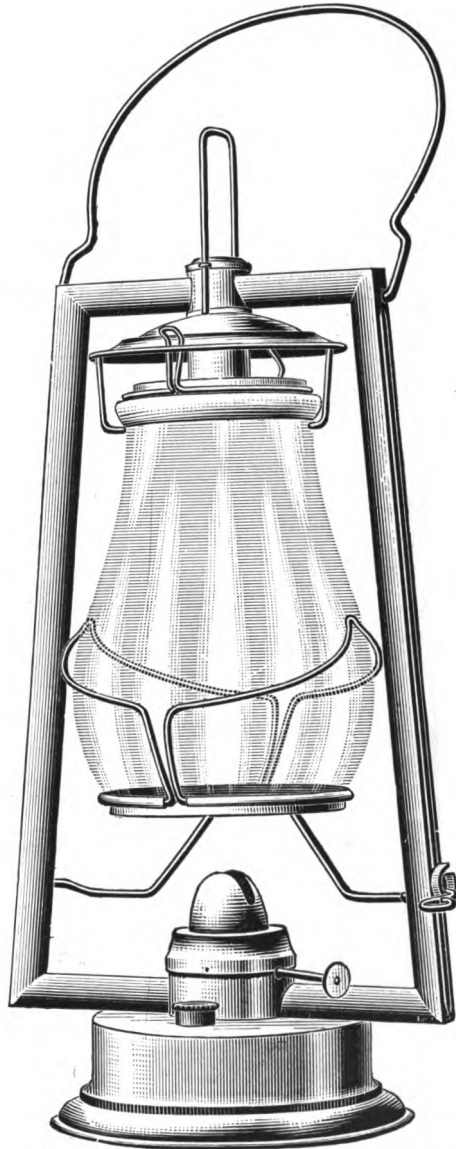
81E—Solid Brass.

81F— " " Nickel Plated.

PACKAGES:

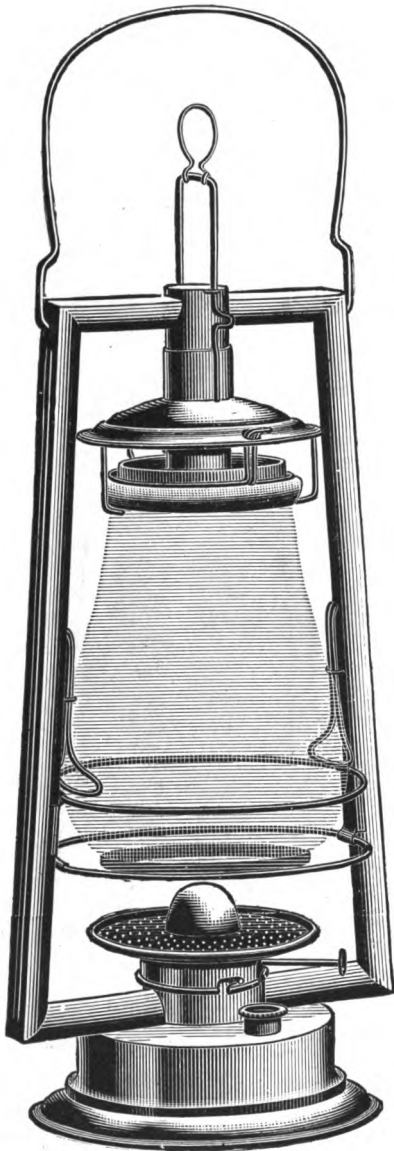
1 doz. cases	{	Net weight, 21 lbs.
	{	Gross " 34 "

$\frac{1}{2}$ doz. cases	{	Net weight, 10 $\frac{1}{2}$ lbs.
	{	Gross " 20 "



Patented.

Ham's No. 0, Side Spring Safety, Oval Tube, Tin Tubular Lantern.



Patented.

"SLICKEST THING OUT."

No. 1 Burner.

No. 0 Globe.

$\frac{3}{8}$ in. Wick.

With new Inside Guard and Locked Flange and Burner.

The side spring securely locks the globe up when raised and firmly holds the globe on the glass flange when lowered.

The globe is easily raised and lowered, as the side springs rest wholly on the smooth surface of the glass.

No rust can ever form to cause the lift to stick or work hard.

The glass flange is securely locked so that the burner cannot become detached without first unlocking the glass flange.

The globe is removable without taking off the guard.

All the oil founts are RE-TINNED and carefully tested to prevent leakage.

Packed in cases of 1 dozen each.

This Lantern is furnished in the following styles:

Figure.

No. 51 — Plain Tin.

" 74C— " " Copper Plated.

" 74D— " " Brass "

" 79E—Solid Brass.

" 79F— " " Nickel Plated.

PACKAGES:

1 doz. cases	{	Net weight, 21 lbs.
		Gross " 34 "

$\frac{1}{2}$ doz. cases	{	Net weight, 10 $\frac{1}{2}$ lbs.
		Gross " 20 "

Ham's No. 0, Glass Fount, Side Spring Safety Tin Tubular Lantern.

No. 1 Burner.

No. 0 Globe.

$\frac{5}{8}$ in. Wick.

With removable Glass Fount.

Glass Flange is securely fastened.

This lantern is also made with the
"Clipper" Lift attachment if desired.

Packed in cases of 1 dozen each.

This Lantern is furnished in the
following styles:

Figure.

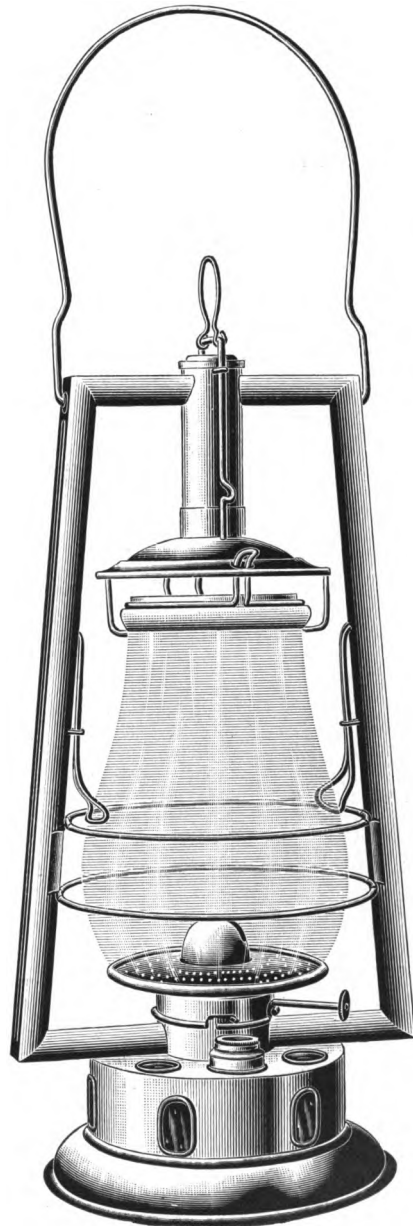
185—With "Side Spring Safety"
attachment.

186—With "Clipper" Lift attachment.

PACKAGES.

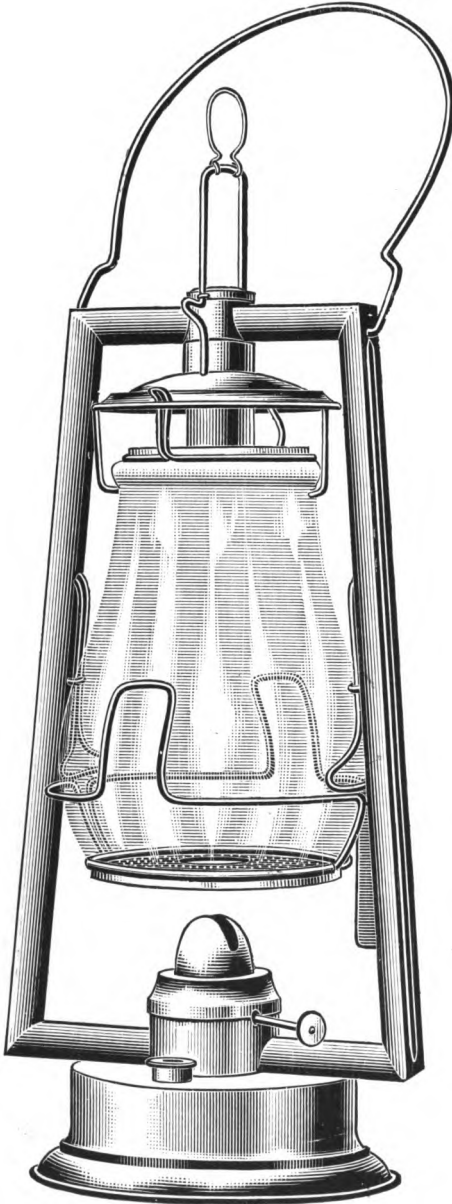
1 doz. cases	{	Net Weight.	29 lbs.
		Gross "	42 "

$\frac{1}{2}$ doz. cases	{	Net weight,	14 $\frac{1}{2}$ lbs.
		Gross "	24 "



Patented.

Ham's No. 0, "IMPROVED," Side Spring, Oval Tube, Tin Tubular Lantern.



Patented.

No. 1 Burner. $\frac{3}{8}$ in. Wick.

No. 0 Globe.

Basket Guard and Locked Burner.

Oil founts RE-TINNED.

Packed in cases of 1 dozen each.

This Lantern is furnished in the following styles:

Figures.

No. 52 —Plain Tin.

" 75C— " "Copper Plated.

" 75D— " "Brass "

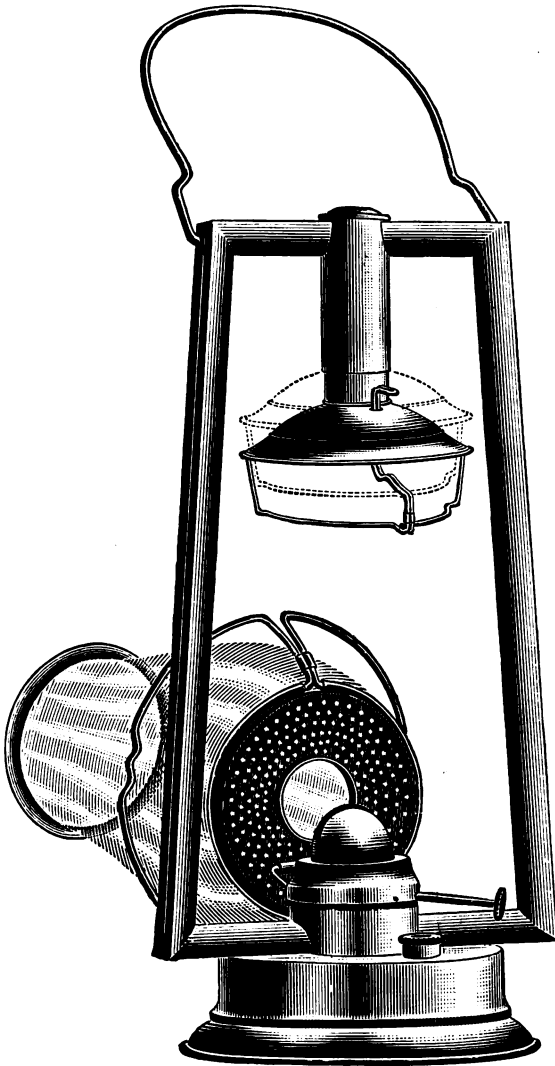
" 80E—Solid Brass.

" 80F— " "Nickel Plated.

PACKAGES.

1 doz. cases {	Net weight, 21 lbs.
	Gross " 34 "

$\frac{1}{2}$ doz. cases {	Net weight, 10 $\frac{1}{2}$ lbs.
	Gross " 20 "



Patented.

Figure No. 177—Plain Tin.

Ham's No. 0, "LEADER," Oval Tube, Tin Tubular Lantern.

No. 1 Burner.

 $\frac{5}{8}$ in. Wick.

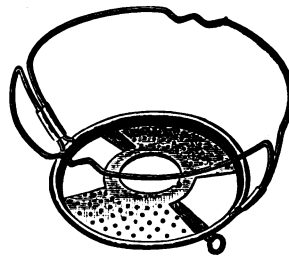
No. 0 Globe.

The globe is removable from the guards within which it is held, and when the globe and globe plate are thrown back leaves the burner exposed to trim wick, light, or remove the burner. The globe is securely locked in position at top.

Packed in cases of 1 dozen each. Furnished in plain tin only.

PACKAGES:

1 doz. cases	{	Net weight, 20 lbs.		$\frac{1}{2}$ doz. cases	{	Net weight, 10 lbs.
		Gross " 33 "				Gross " 20 "



SLIDE PLATE.
Open ready to insert match
to light.

Figure No. 181—Plain Tin.

No. 0, "HANDY," Oval Tube, Tubular Lantern.

No. 1 Burner.

$\frac{5}{8}$ in. Wick.

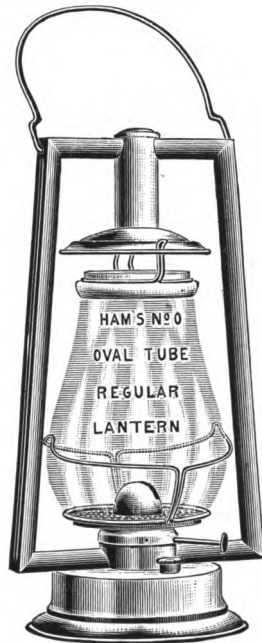
No. 0 Globe.

Quickly lighted. Does away with all lifting devices. When globe is removed to get at burner to trim wick, the guard and globe rest remain on globe, leaving free access to burner.

A thoroughly serviceable lantern. Furnished in plain tin only.

PACKAGES:

1 doz. cases	{ Net weight, 20 lbs.	½ doz. cases	{ Net weight, 10 lbs.
	{ Gross " 32 "		{ Gross " 19 "



Patented.

Figure No. 57—Plain Tin.

Ham's No. 0, Oval Tube, "Regular" Tin Tubular Lantern.

BASKET GUARD.

LOCKED BURNER.

No. 1 Burner.

 $\frac{5}{8}$ in. Wick.

No. 0 Globe.

This lantern is an exact duplicate of our No. 0 Oval Tube Side Spring Lantern, with the exception of having no lift attachment for raising the globe.

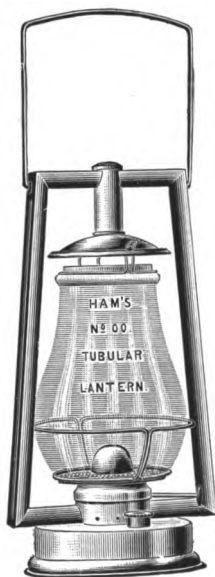
All the fine points of the Side Spring Lantern are combined in the construction of this lantern.

This lantern is intended for use where a cheap lantern is required.

Packed in cases of 1 dozen each. Furnished in plain tin only.

PACKAGES:

1 doz. cases { Net weight, 20 lbs. { Gross " 32 "	½ doz. cases { Net weight, 10 lbs. { Gross " 19 "
--	--



Ham's No. 00, Oval Tube, Tin Tubular Lantern.

BASKET GUARD.

No. 00 Gem Globe.

No. 0 Burner.

$\frac{1}{2}$ in Wick.

One size smaller than our No. 0 Lantern. Gives a nice light.

Furnished in the following styles:

Packed in cases of 1 dozen each.

Figure.

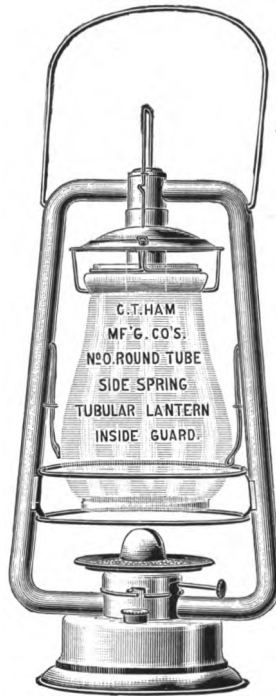
No. 59 —Plain Tin.

“ 58C — “ “ Copper Plated.

“ 58D — “ “ Brass “

PACKAGES:

1 doz. cases—Net weight, 14 lbs.; Gross weight, 25 lbs.



Patented.

Globe removable without taking off guard.

Figure No. 55—Plain Tin.

Ham's No. 0, Side Spring Safety, Round Tube, Tin Tubular Lantern.

No. 1 Burner.

$\frac{3}{8}$ inch Wick.

No. 0 Globe.

With new Inside Guard and Locked Glass Flange and Burner.

The side spring securely locks the globe up when raised, and firmly holds the globe on to the glass flange when lowered.

The globe is easily raised and lowered, as the side springs rest wholly on the smooth surface of the glass.

No rust can ever form to cause the lift to stick or work hard.

The glass flange is securely locked so that the burner cannot become detached without first unlocking the glass flange.

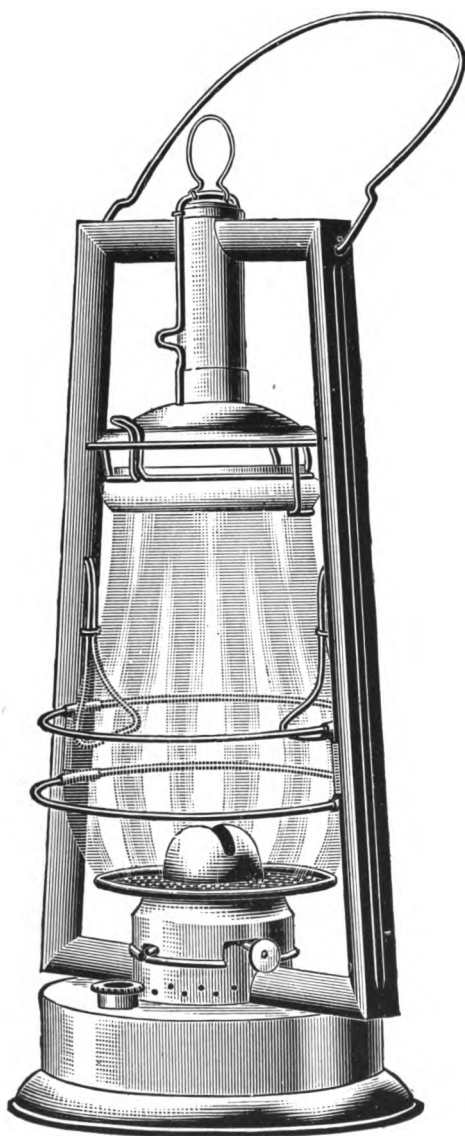
This lantern has our patent one-piece tubes, without elbows or joints, extra large oil pot, RE-TINNED to prevent leakage, extra heavy burner and raised filler tube.

Packed in cases of 1 dozen each. Furnished in plain tin only.

PACKAGES :

1 doz. cases {	Net weight, 20 lbs.	$\frac{1}{2}$ doz. cases {	Net weight, 10 lbs.
Gross " 35 "		Gross " 20 "	

Ham's No. 2, Side Spring Safety, Oval Tube, Tin Tubular Lantern.



Patented.

No. 2 Burner.

No. o Globe.

1 inch Wick.

Large Oil Fount. Large Light.

With new Inside Guard and Locked Glass Flange and Burner.

The side spring securely locks the globe up when raised, and firmly holds the globe on the glass flange when lowered.

The globe is easily raised and lowered, as the side springs rest wholly on the smooth surface of the glass.

No rust can ever form to cause the lift to stick or work hard.

The glass flange is securely locked so that the burner cannot become detached without first unlocking the glass flange.

The globe is removable without taking off the guard.

All the oil founts are RE-TINNED and carefully tested to prevent leakage.

Packed in cases of 1 dozen each.

Furnished in the following styles:

Figure.

No. 54 —Plain Tin.

“ 77C — “ “ Copper Plated.

“ 77D — “ “ Brass “

“ 82E —Solid Brass.

“ 82F — “ “ Nickel Plated.

PACKAGES:

1 doz. cases	{	Net weight,	23 lbs.
		Gross “	39 “

½ doz. cases	{	Net weight,	11½ lbs.
		Gross “	22 “

Ham's No. 2, "Clipper Lift," Oval Tube, Tin Tubular Lantern.

No. 2 Burner.

No. o Globe.

1 inch Wick.

Packed in cases of 1 dozen each.

Furnished in the following styles:

Figure.

No. 175 — Plain Tin.

" 76C— " " **Copper Plated.**

" 76D— " " **Brass** "

" 86E—**Solid Brass.**

" 103F— " " **Nickel Plated.**

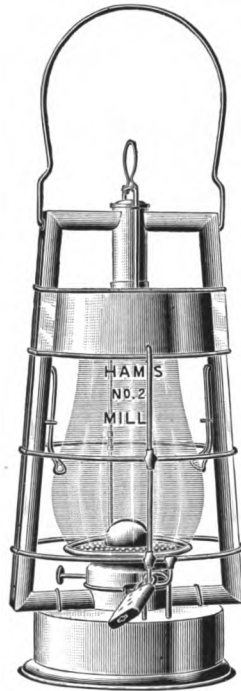
PACKAGES:

1 doz. cases	{	Net weight, 22 lbs.
		Gross " 37 "

½ doz. cases	{	Net weight, 11 lbs.
		Gross " 21 "



Patented.



Patented.

Ham's No. 2, MILL Lantern, Side Spring Safety, Oval Tube, With Shield and Lock.

No. 2 Burner.

1 inch Wick.

No. 0 Globe.

For use of watchmen in mills. Thoroughly guarded, to prevent breakage of globe. Lantern cannot be opened while being used in making rounds, thus overcoming the danger of fire.

Furnished in plain tin as follows:

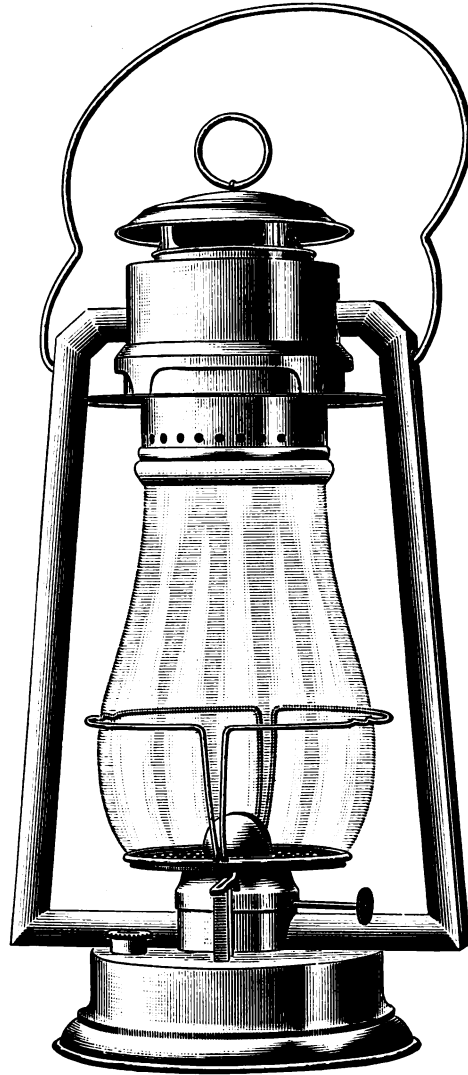
Figure.

No. 53A—With Lock.

“ 53B—Without Lock.

PACKAGES:

1 doz. cases—Net weight, 30 lbs.; Gross weight, 46 lbs.



Patented.

Figure No. 178—Plain Tin.**No. 0, Cold Blast, Bottom Lift, Oval Tube Lantern.**

No. 0 Globe.

 $\frac{3}{8}$ inch Wick.

No. 1 Burner.

The light obtained from this construction is far ahead of the light in the ordinary No. 0, "Hot Blast" Lantern—the light being large, clear and beautiful, and positively can not be blown out by the wind.

Packed in boxes of 1 dozen each. Furnished in plain tin only.

PACKAGES:

1 doz. cases	{ Net weight, 26 lbs.	$\frac{1}{2}$ doz. cases	{ Net weight, 13 lbs.
	{ Gross " 40 "		{ Gross " 23 "



Patented.

Ham's No. 2, Round Tube, "Cold Blast," Bottom Lift, Tin Tubular Lantern.

No. 2 Burner.

1 inch Wick.

No. 0 Globe.

Globe removable without taking off guard.

This lantern being made on the principle of our celebrated Globe Street Lamp, with Wind-break, makes it a superior lantern in its burning qualities to our Hot Blast Lantern, and a very desirable lantern for use in places where there are strong drafts of wind.

It is especially adapted for use in mills and other places where there is considerable dust, as the burner will not clog up.

The one-piece tubes are strongly made—no elbows or joints.

Globe easily raised to light and trim. Globe is removable without disturbing the guard. Gives a fine light. Packed in cases of $\frac{1}{2}$ dozen each.

Furnished in following styles:

Figure.

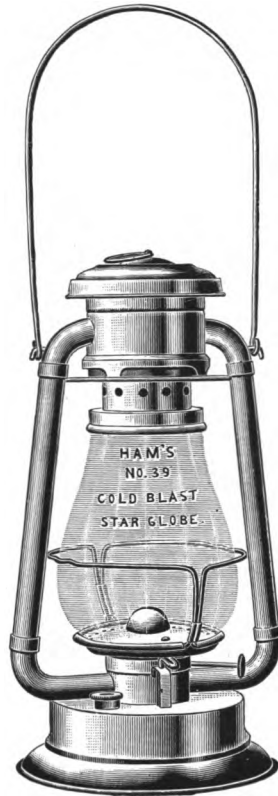
No. 56 —Plain Tin.

" 83E—Solid Brass.

" 83F— " " Nickel Plated.

PACKAGES :

$\frac{1}{2}$ doz. cases	{	Net weight, 15 lbs.	} Tin Lanterns.
		Gross " 27 "	



Patented.

Figure No. 184—Plain Tin.

**Ham's No. 39, Cold Blast, Round Tube, "Star"
Globe, TIN Tubular Lantern.**

No. 00 Burner.

$\frac{1}{2}$ inch Wick.

"Star" Globe.

An elegant burning lantern. Strongly built and a great favorite.

Will not blow out.

Packed in cases of 1 dozen each. Furnished in plain tin only.

PACKAGES:

1 doz. cases	{	Net weight, 30 lbs.	{	1/2 doz. cases	{	Net weight, 15 lbs.
		Gross " 50 "				Gross " 35 "



Patented.

Ham's No. 39, Brass, Cold Blast, Round Tube, "Star" Globe, Tubular Lantern.

WOUND BAIL. STRONGLY GUARDED.

No. 00 Burner.

$\frac{1}{2}$ inch Wick.

"Star" Globe.

This is a high grade lantern, finely finished and very serviceable.
Furnished in the following styles:

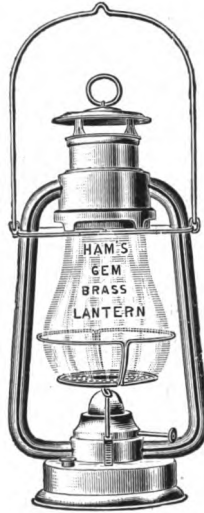
Figure.

No. 183E—Solid Brass.

" 183F— " " Nickel Plated.

PACKAGES:

$\frac{1}{2}$ doz. cases—Net weight, 21 lbs.; Gross weight, 37 lbs.



Patented.

Ham's "Gem" Tubular Lantern.

SOLID BRASS AND NICKEL PLATED.

No. 00 Burner.

$\frac{1}{2}$ inch Wick.

No. 00 Globe.

So many SMALL brass lanterns have been presented to the trade as "first-class" lanterns in their burning qualities, and have turned out to be "worthless things," and the trade thereby having been "humbled," that we take a justifiable pride in claiming for our "Gem" lantern the following points, viz:

It is a perfect lantern in its burning qualities.

The light produced is stronger and brighter than

the light produced by any lantern using a $\frac{3}{8}$ inch burner.

It will not blow out in the wind, and will not smoke.

We have entirely overcome the usual objection in a brass lantern, *i. e.*, the oil sweating through the brass. It is nicely finished and of convenient size for use where a small lantern is required. A trial of this lantern will convince all that we have stated FACTS only.

Packed in cases of 1 dozen each.

Furnished in the following styles:

Figure.

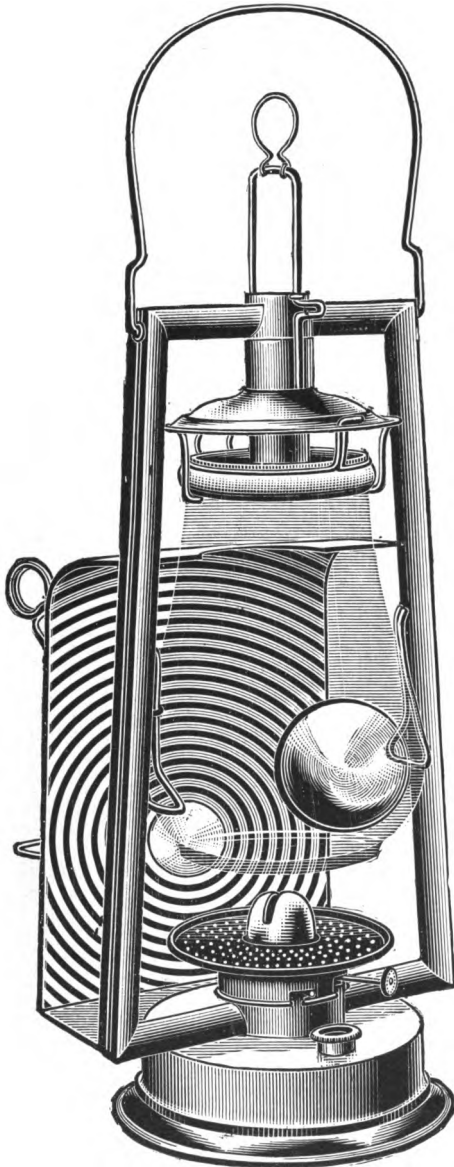
No. 78E—Solid Brass.

" 78F— " " Nickel Plated.

PACKAGES:

1 doz. cases—Net weight, 19 lbs.; Gross weight, 35 lbs.

Ham's Celebrated No. 15 Tin Dash Lamp, Oval Tube, Side Spring, Locked Burner.



Patented.

FURNISHED WITH BULL'S EYE OR PLAIN
GLOBE, AS DESIRED.

No. 1 Burner.

No. 0 Globe.

$\frac{3}{8}$ inch wick.

Furnished in Blue Japanned and Plain
Tin.

This is the best and most popular dash
lamp to be found in the market.

The tin reflector has a circular corruga-
tion, producing a POWERFUL REFLECTION
OF THE LIGHT, which is very much in-
creased by aid of the "bull's eye" blown
in the globe.

It has the celebrated side spring attach-
ment for raising and lowering the globe.

The oil pot is RE-TINNED, thus pre-
venting leakage.

The light will not jar out while in
position on the dash, and is not affected
by the wind.

GIVES A FINE LIGHT.

Packed in cases of $\frac{1}{2}$ dozen each.

Furnished in the following styles:

Figure.

No. 61G—Plain Tin and Plain Globe.

" 61H— " " " B. E. "

" 61K—Japanned and Plain "

" 61L— " " " B. E. "

PACKAGES:

$\frac{1}{2}$ doz. cases	{	Net weight, 14 lbs.
		Gross " 27 "

Ham's Celebrated No. 2, Tin Dash Lamp, Oval Tube, Side Spring, Locked Burner.

LARGE FOUNT.

No. 2 Burner.

No. o Globe.

1 inch Wick.

Finished in Blue Japanned and Plain Tin.

This is the best and most popular dash lamp to be found in the market.

The tin reflector has a circular corrugation, producing a POWERFUL REFLECTION OF THE LIGHT, which is very much increased by aid of the "bull's eye" blown in the globe.

It has the celebrated side spring attachment for raising and lowering the globe.

The oil pot is RE-TINNED, thus preventing leakage.

The light will not jar out while in position on the dash, and is not affected by the wind.

GIVES A FINE LIGHT.

Packed in cases of $\frac{1}{2}$ dozen each.

Furnished in the following styles:
Figure.

No. 62G—Plain Tin, Plain Globe.

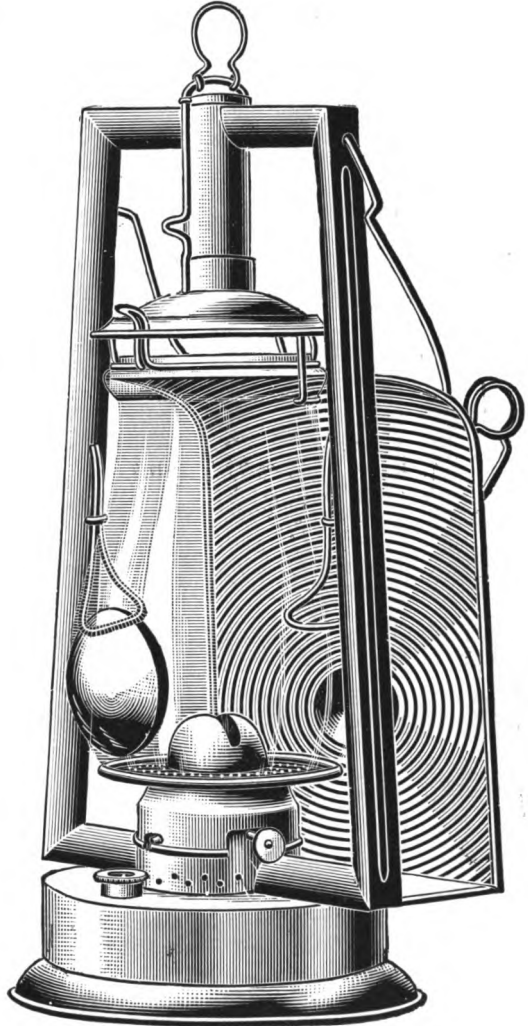
" 62H— " " B. E. "

" 62K—Japanned, Plain "

" 62L— " B. E. "

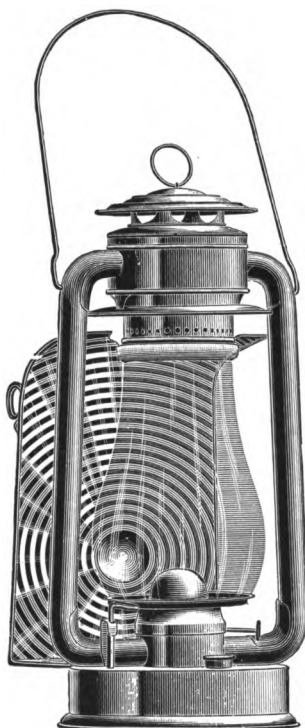
PACKAGES:

$\frac{1}{2}$ doz. cases { Net weight, 15 lbs.
Gross " 28 "



Patented.

Furnished with Bull's Eye or Plain Globe, as desired.



Patented.

With Bull's Eye or Plain Globe, as desired.

Ham's No. 17, Cold Blast, Tin Dash Lamp. Round Tube, Bottom Lift.

No. 2 Burner.

1 inch Wick.

No. 0 Globe.

Finished in Blue Japanned and Plain.

This lamp is intended for use where a more POWERFUL LIGHT is required than can be obtained from our No. 15 Dash Lamp.

Packed in cases of $\frac{1}{2}$ dozen each.

Furnished in the following styles:

Figure.

No. 63G—Plain Tin and Plain Globe.

“ 63H— “ “ “ Bull's Eye Globe.

“ 63K—Japanned and Plain Globe.

“ 63L— “ “ Bull's Eye Globe.

PACKAGES:

$\frac{1}{2}$ doz. cases—Net weight, 18 lbs.; Gross weight, 34 lbs.



Patented.

Globe Raised for Lighting.

Ham's No. 0, Hood Reflector, Tin Dash Lamp. "Side Spring."

(WITH DASH ATTACHMENT.)

No. 1 High Cone Burner. $\frac{5}{8}$ in. Wick. No. 0 Globe.

Furnished with Plain and Bull's Eye Globe.

This lantern has our celebrated Side Spring Attachment for raising the globe for lighting, large oil pot, raised filler tube and 5-inch SILVERED GLASS REFLECTOR. Produces a very powerful light.

Packed in cases of $\frac{1}{2}$ dozen each.

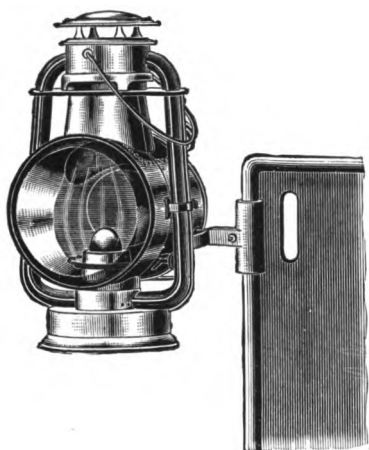
Furnished in the following styles:

Figure.

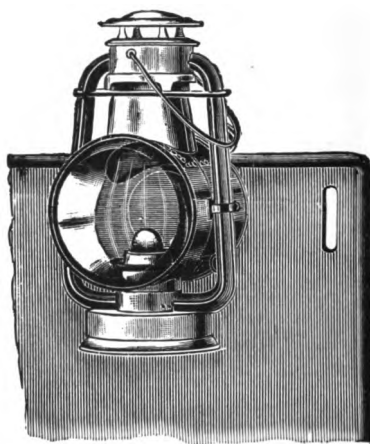
- No. 64 G—Plain Tin and Plain Globe.
- “ 64 H— “ “ “ Bull's Eye Globe.
- “ 64 K—Japanned and Plain Globe.
- “ 64 L— “ “ Bull's Eye Globe.

PACKAGES:

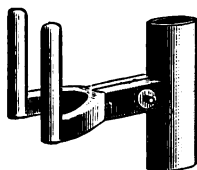
$\frac{1}{2}$ doz. cases—Net weight, 16 lbs.; Gross weight, 40 lbs.



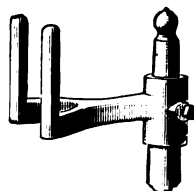
In position on side of Dash.



In position on front of Dash.

Figure 66.**Figure 67.**

DASH CLAMP, to fasten Gem Driving Lamp on end of dash board.

**Figure 68.**

SEAT ROD BRACKET, to fit on upright rod at end of seat.

Ham's "Gem" Driving Lamp.

MADE IN TIN, BRASS OR NICKEL PLATE.

Copper Reflector, Silver Plated.

Beveled Plate Glass in Door.

No. 00 or Gem Globe.

$\frac{1}{2}$ inch Wick.

No. 00 Burner.

Gives a Fine Light. Elegantly Finished. A Fine Lamp.

Packed in barrels of 1 dozen each.

Furnished as follows:

Figure.

No. 66G—In Tin, Black Enameled, with Dash Clamp.

" 66H— " " " " Seat Rod Bracket.

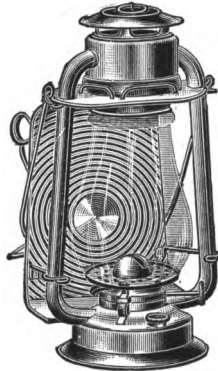
" 66D—In Brass, with Dash Clamp.

" 66E— " " Seat Rod Bracket.

" 66L— " Nickel Plate, with Dash Clamp.

" 66M— " " " " Seat Rod Bracket.

Weight—Net, 48 lbs to 1 doz.; Gross, 65 lbs. to 1 doz.



Patented.

Ham's "Gem," Brass and Nickel Plate, Tubular Dash Lamp.

(REFLECTOR REMOVABLE.)

No. 00 Burner.

$\frac{1}{2}$ inch Wick.

No. 00 Globe.

We claim for our "Gem" Dash Lantern the following points, viz:
It is a perfect lantern in its burning qualities.

The light produced is stronger and brighter than
the light produced by any lantern using a $\frac{5}{8}$ in. burner.

It will not blow out in the wind, and will not smoke.

We have entirely overcome the usual objection in a brass lantern, *i. e.* the oil sweating through the brass. It is nicely finished and of convenient size for use where a small Dash Lantern is required. The dash attachment for this lantern is removable, and furnished in tin-bronzed and nickel-plated, which makes it a very desirable lantern for doctors' use, or any one desiring a neat, small dash lantern.

Packed in cases of 1 dozen each.

Furnished as follows:

Figure.

No. 69A—In Brass.

" 69B—In Nickel Plate.

Weight—Net, 29 lbs.; Gross, 45 lbs.



Patented.

No. 1, "U. S. L. H. E." TIN Tubular Lantern.

SIDE SPRING ATTACHMENT.

WIND-BREAK.

RAISED FILLER TUBE.

No. 1 Burner.

$\frac{3}{8}$ inch Wick.

No. 1 Globe.

This lantern is used by the Government for placing on buoys, etc., but having so large an oil pot is adapted for use in packing houses, breweries, malt houses, etc., where a light is required for a longer time than usual.

Packed in barrels of 10 each.

Furnished as follows:

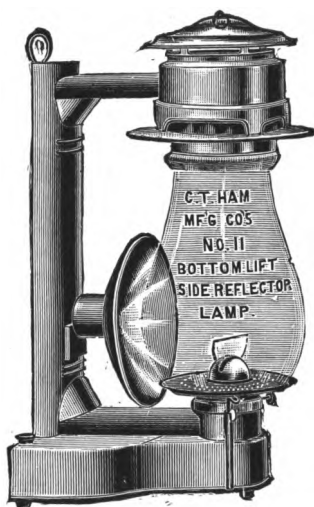
Figure.

No. 70 B—With White Globe.

" 70 C— " Green or Blue Globe.

" 70 D— " Ruby Globe.

Weight—Net, 30 lbs. ; Gross, 55 lbs.



Patented.

No. 11, Cold Blast, Tin Tubular, Side Reflector Lamp.

FIVE INCH SILVERED GLASS REFLECTOR.

No. 1 Burner.

$\frac{5}{8}$ inch Wick.

No. 0 Globe.

Finished in Blue Japanned and Plain.

The above cut illustrates our new Tubular Side Reflector Lamp, which can be hung against the wall indoors, or any convenient place out of doors, or carried in the hand. Having our Patent Wind-break, same as we use on our Street Lamps, they will stand the wind in exposed places without smoking or blowing out. Produces a very strong light. Can be filled, lighted or trimmed without removing the globe.

Especially adapted for use in stores, warehouses, barns, engine and boiler rooms, or any place where a strong light is required.

Packed in cases of $\frac{1}{2}$ dozen each.

Furnished as follows:

Figure.

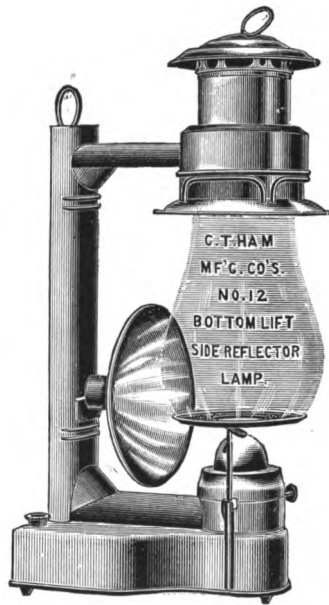
No. 71K—Plain Tin.

“ 71L—Japanned.

“ 71M—Brass or Copper Plated.

PACKAGES:

$\frac{1}{2}$ doz cases—Net weight, 16 lbs.; Gross weight, 30 lbs.



Patented.

Ham's No. 12, Cold Blast, Tin Tubular Side Reflector Lamp.

SIX INCH SILVERED GLASS REFLECTOR.

No. 2 Burner.

1 inch Wick.

No. 0 Globe.

Finished in Blue Japanned and Plain.

The above cut illustrates our new Tubular Side Reflector Lamp, which can be hung against the wall indoors, or any convenient place out of doors, or carried in the hand. Having our Patent Wind-break, same as we use on our Street Lamps, they will stand the wind in exposed places without smoking or blowing out. Produces a very strong light. Can be filled, lighted or trimmed without removing the globe.

Especially adapted for use in stores, warehouses, barns, engine and boiler rooms, or any place where a strong light is required.

Packed in cases of $\frac{1}{2}$ dozen each.

Furnished as follows:

Figure.

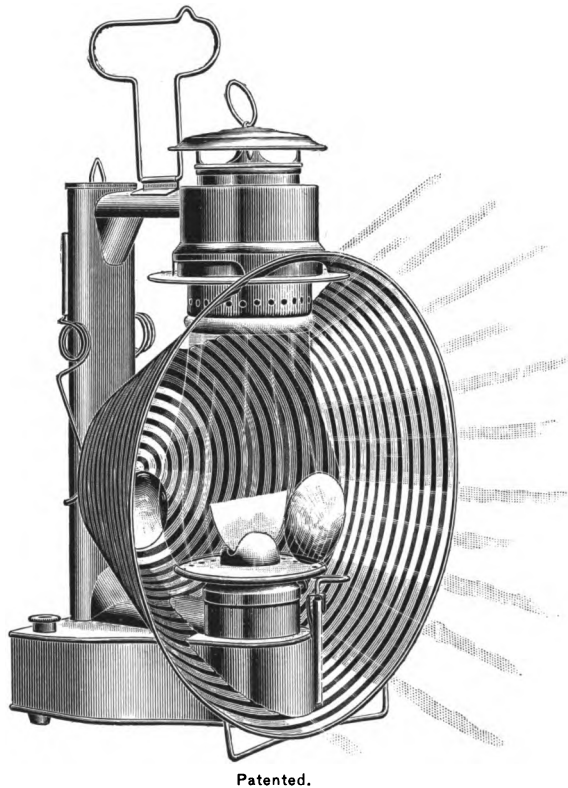
No. 72N—Plain Tin.

“ 72P—Japanned.

“ 72R—Brass or Copper Plated.

PACKAGES:

$\frac{1}{2}$ doz. cases—Net weight, 16 lbs.; Gross weight, 33 lbs.



Ham's No. 20, Tubular "Search Light."

Reflector, 12 inches diameter, 7 inches deep.

No. 2 Burner.

1 inch Wick.

No. 0 Tubular Globe.

Finished in Blue Japan.

Just the lamp you want where a strong light is required, and to be spread over a large space, as in livery stables, barns, saw and planing mills, warehouses, packing houses, work-shops, picnic grounds, lawns, summer resorts, etc. The lamp throws a brilliant and steady light, and will burn as well out of doors as inside, without smoking or flickering, and is not affected by the wind or strong drafts.

Packed in cases of $\frac{1}{2}$ dozen each.

Furnished as follows:

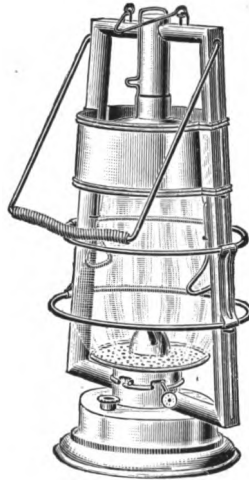
Figure.

No. 176B—Japanned and Bull's Eye Globe.

" 176P— " " Plain Globe.

PACKAGES:

$\frac{1}{2}$ doz. cases—Net weight, 22 lbs.; Gross weight, 50 lbs.



Patented.

Ham's No. 0, Side Spring Safety, Oval Tube, FIREMAN'S LANTERN.

With Water Shield.

SOLID BRASS POLISHED AND NICKEL PLATED.

No. 1 Burner.

$\frac{5}{8}$ inch Wick.

No. 0 Globe.

For Fire Department use.

The shield is for the purpose of keeping water and steam from entering the globe when in burning buildings.

This lantern is intended for use where a MEDIUM WEIGHT lantern is required.

Packed in barrels of 1 dozen each.

Furnished as follows:

Figure.

No. 84M—Solid Brass.

“ 84N— “ “ Nickel Plated.

Weight—Net, 34 lbs.; Gross, 65 lbs.



Patented.

Ham's No. 0, Oval Tube, "Side Spring," Tubular FIREMAN'S LANTERN.

With Water Shield.

SOLID BRASS POLISHED AND NICKEL PLATED.

No. 1 Burner.

$\frac{5}{8}$ inch Wick.

No. 0 Globe.

This lantern has been adopted by a number of Fire Departments after severe tests with competing lanterns.

The Oval Tube is made of heavier metal than our Round Tube lantern and is a more durable lantern, and is especially adapted for use in large cities.

The shield is for the purpose of keeping water and steam from entering the globe when in burning buildings. Elegant in finish.

Packed in barrels of 1 dozen each.

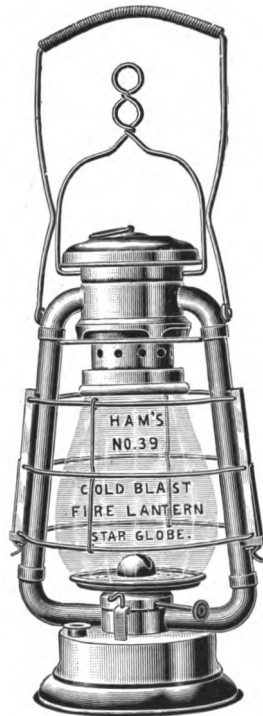
Furnished as follows:

Figure.

No. 85H—Solid Brass.

" 85L— " " Nickel Plated.

Weight—Net, 42 lbs.; Gross, 70 lbs.



Patented.

“CHIEF.”

Ham's No. 39, Cold Blast, Round Tube, Tubular FIREMAN'S LANTERN.

SOLID BRASS POLISHED AND NICKEL PLATED.

No. 00 Burner.

$\frac{1}{2}$ inch Wick.

“Star” Globe.

Strongly built, well guarded. Will not blow out, jar out or smoke, and gives a very bright light. A very fine lamp.

Packed in cases of 1 dozen each.

Furnished as follows:

Figure.

No. 182W—Solid Brass.

“ 182R— “ “ / Nickel Plated.

Weight—Net, 42 lbs.; Gross, 70 lbs.



No. 39, FIREMAN'S LANTERN. Ring in Top.

SOLID BRASS POLISHED AND NICKEL PLATED.

BURNS LARD OIL.

$\frac{5}{8}$ in. Ratchet Burner.

No. 39 Globe.

For Fire Department use.

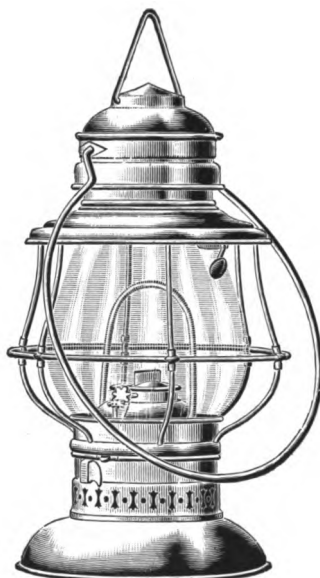
This lantern is strongly made, and is intended for use where a lower priced lantern is required than our Oval and Round Tube Fireman's Tubular Lanterns.

Furnished as follows:

Figure.

No. 87P—Solid Brass.

“ 87T— “ “ **Nickel Plated.**



**No. 39, FIREMAN'S LANTERN, WITH HOOD
and Outside Ratchet.**

BURNS LARD OIL.

$\frac{5}{8}$ in. Ratchet Burner.

No. 39 Globe.

For Fire Department use. Strongly Built.

Furnished as follows:

Figure.

No. 110E—Solid Brass.

“ 125F— “ “ Nickel Plated.



Figure 188.

“CADET” LANTERN.

Great favorite with the trade.

All Brass, and suitable for household use.

Best Skating Lantern made.

Neatest of all brass lanterns. Handy for all purposes. Can light or re-light without removing the globe. Wicked ready for use.

Buy the Cadet if you want a lantern that will not go out or give you trouble.

Packed in cases of 6 dozen each.

Net weight, 39 lbs.; Gross weight, 55 lbs.

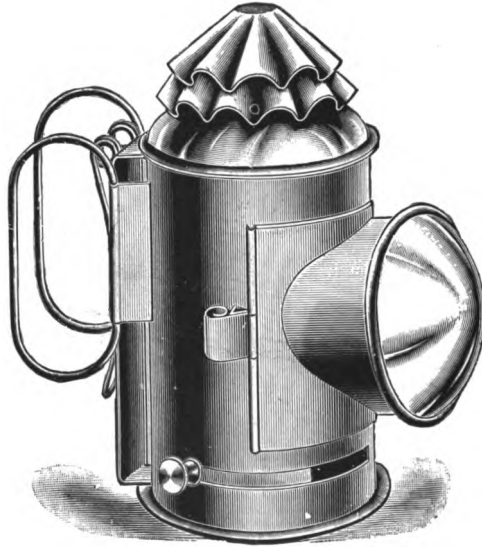


Figure 128—2¾ inch.

“ 162—3 “

Bull's Eye Police or Dark Lantern, Regular.

Small Size, 2¾ inch.

Medium Size, 3 inch.

The light is controlled by the ordinary slide.

Packed in cases of 2 dozen each.

Gross weight, 30 lbs.; Net weight, 19 lbs.

Ham's Finely Finished CONDUCTORS' LANTERNS.

For Lard or Sperm Oil.



Fig. 88B—Brass.
“ 88D— “ Nickel
Plated.
No. 3. Bayonet Catch.

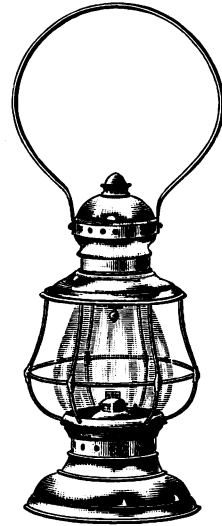


Fig. 89E—Brass.
“ 89F— “ Nickel
Plated.
No. 3. Screw Oil Cup.

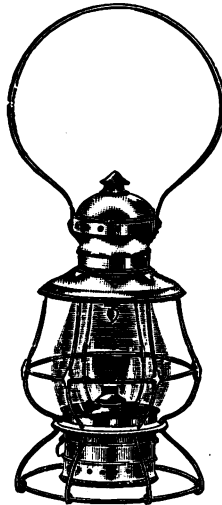


Fig. 90F—Brass.
“ 90G— “ Nickel Plated.
No. 3.
Wire Bottom.

Made in solid Brass, highly polished,
also finished in Nickel, Silver
and Gold Plate.

(Globes, best flint, hand made.)

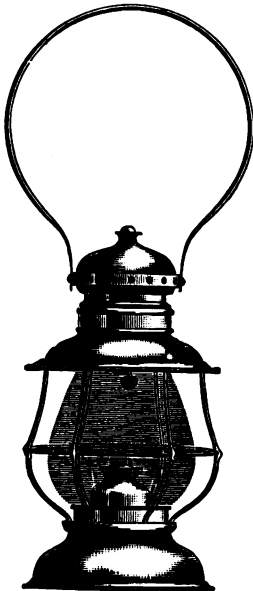


Fig. 91T—Brass.
“ 91L— “ Nickel
Plated.
No. 1. (Takes “Queen”
Globe.) Screw Oil Cup.

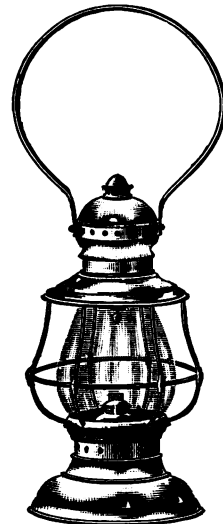


Fig. 92H—Brass.
“ 92K— “ Nickel
Plated.
No. 3½. (Takes “Pullman”
Globe.) Screw Oil Cup.

(See page 38.)



Fig. 93M—Brass.
 “ 93N— “ Nickel
 Plated.
 No. 6.
 Bayonet Catch.

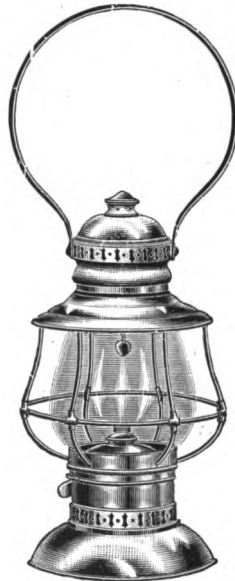


Figure 95 E—Brass.
 “ 95W— “ Nickel Plated.
 No. 39.
 Bayonet Catch.

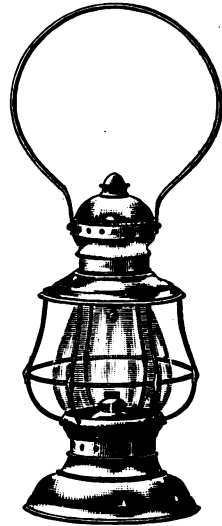


Fig. 94P—Brass.
 “ 94R— “ Nickel
 Plated.
 No. 6.
 Screw Oil Cup.

Finely Finished Brass, Nickel, Silver and Gold Plated Conductor Lanterns.

Made extra strong.

For Lard or Sperm Oil.

Globes, best flint, hand made.

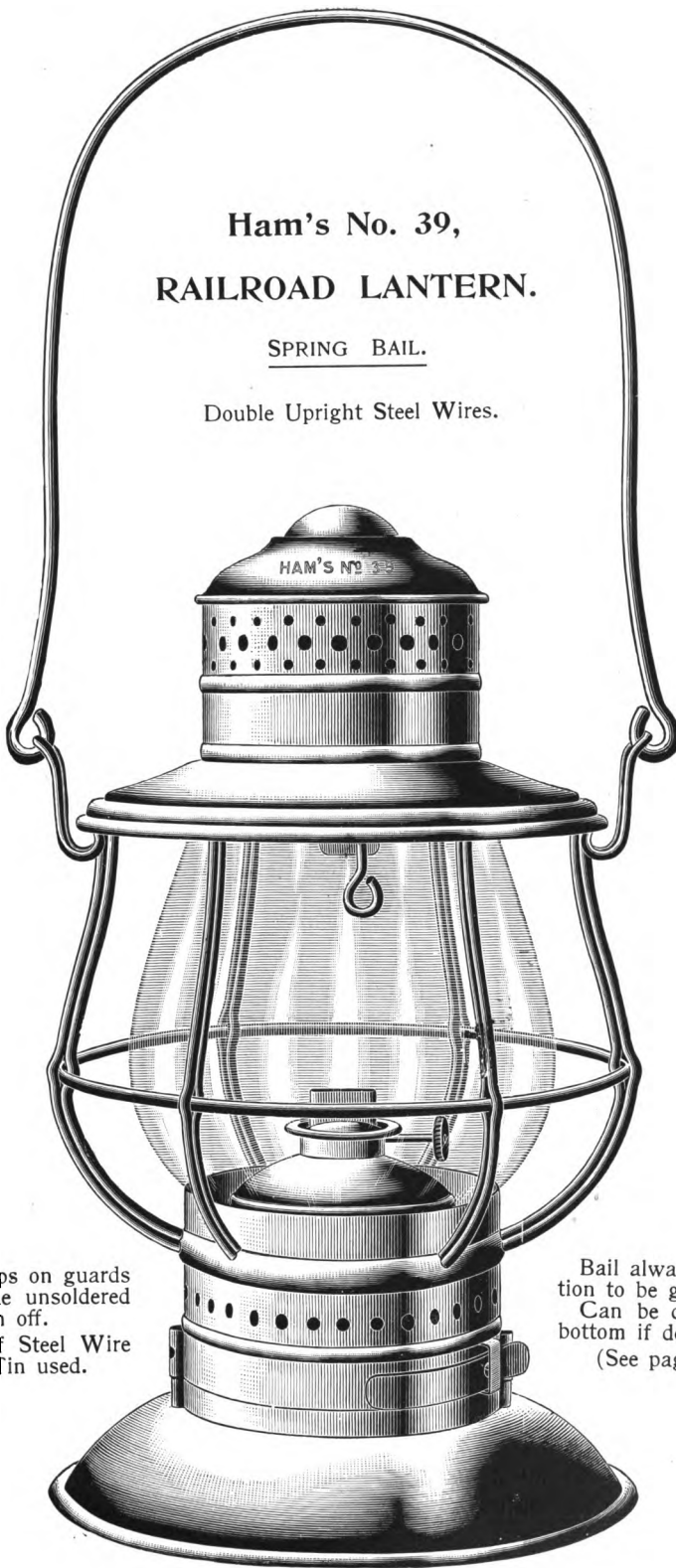
Furnished in White, Ruby, Green, Blue, half Green, half Ruby, half Blue Globes.

(See page 37.)

Ham's No. 39,
RAILROAD LANTERN.

SPRING BAIL.

Double Upright Steel Wires.



No clips on guards
to become unsoldered
or broken off.

Best of Steel Wire
and IX Tin used.

Bail always in posi-
tion to be grasped.
Can be dropped to
bottom if desired.

(See page 40.)

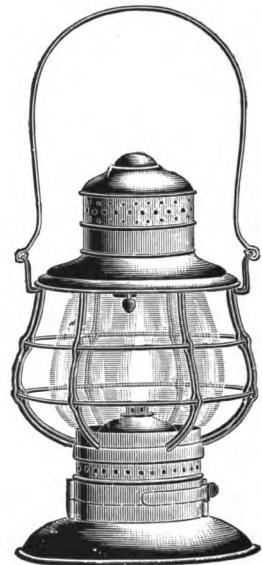
Patented.

**Figure 96.**

Patented.

**NO. 39, WIRE BOTTOM.
DOUBLE WIRE.****MADE IN SINGLE AND
DOUBLE GUARD.****Figure 97.**

Patented.

**NO. 39, TIN BOTTOM.
DOUBLE WIRE.****SINGLE GUARD.****Figure 98.**

Patented.

**NO. 39, TIN BOTTOM.
DOUBLE WIRE.****DOUBLE GUARD.****BAIL STANDS PERMANENTLY ERECT.**

HAM'S RAILROAD LANTERNS.

For Lard or Sperm Oil, also Kerosene.

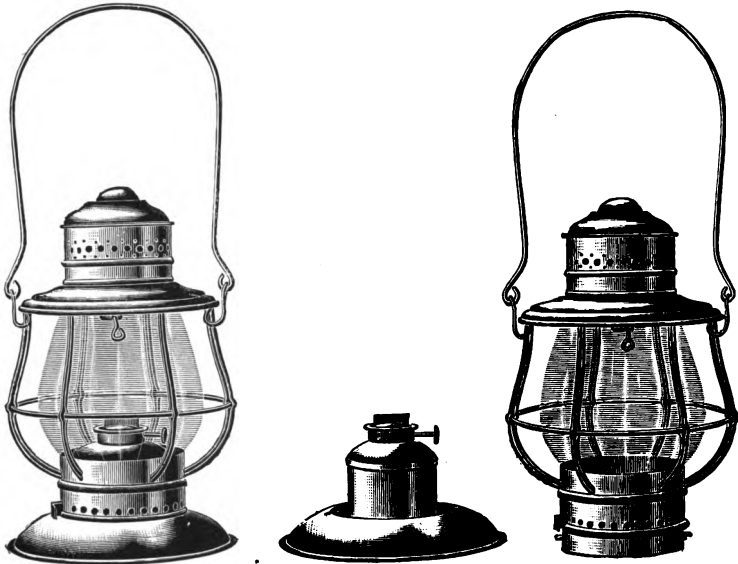
ENTIRELY NEW.

The Upright Guards are constructed of double round steel wire, in one continuous piece (as shown in above cuts), more than doubling the strength of the frame of the lantern and adding but little in weight, thereby producing A VERY STRONG and DURABLE LANTERN.

The Bails are so arranged that when the lantern is set down the bail stands upright in position to be instantly grasped, a great convenience over the old style where bail drops to the base of lantern when set down. The bail can be thrown down on the base of the lantern if required.

The best of material is used in the construction of these lanterns.

Please bear in mind that in buying these lanterns no additional charge is made for the double wires and improved bail.



Patented.

Figure 166.

Ham's No. 39, Railroad Lantern.

NEW STYLE OF BOTTOM.

For Lard or Sperm Oil, also Kerosene.

LATEST OUT.

Upright Guards made of double round steel wire in one continuous piece.

Bottom is securely attached to frame by our new device, and is a very durable lantern.

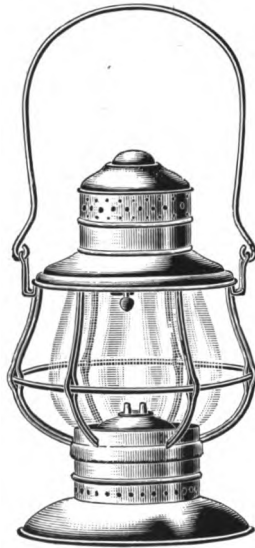


Figure 99.

No. 47, Farmers' and Railroad Lantern.

DOUBLE WIRE.

Sangster Pot. Single Guard.

For Lard or Sperm Oil, also Kerosene.

ENTIRELY NEW.

THE UPRIGHT GUARDS are constructed of Double Round Wire, in one continuous piece (as shown in above cut), more than doubling the strength of the frame of the lantern and adding but little in weight, thereby producing A VERY STRONG AND DURABLE LANTERN.

THE BAILS are so arranged that when the lantern is set down the bail stands upright in position to be instantly grasped, a great convenience over the old style where bail drops to the base of lantern when set down. The bail can be thrown down on the base of the lantern if required.

The best of material is used in the construction of these lanterns.

Please bear in mind that in buying these lanterns no additional charge is made for the double wires and improved bail.

**Figure 127.**

No. 7, Old Lake and River Lantern.
Hinge Top.
 (Regular Pattern.)

**Figure 100.**

No. 7, Old Lake and River Lantern.
Hinge Bottom.
 (Regular Pattern.)

**Figure 101.**

No. 7, New Lake and River Lantern.
Hinge Top.
 (Government Pattern.)

Lake and River, Lard Oil, Tin Lanterns.

These Lanterns are built very strong and finely finished.

Used principally on River and Lake Steamers and Vessels.



Figure
104.
Turned
Wood Post.



Patented



Showing Lift Wire. Fount and Burner for No. 9 Street Lamp.

No. 9, Improved Globe Tubular Street Lamp.

With Bottom Lift Attachment for Raising Globe.

Outside Wick Regulator.

Automatic Extinguisher.

No. 3 Globe.

1½ in. Wick.

Patent Wind-break.

Our Globe Street Lamps have many new and modern improvements, Solid Elbows, Automatic Time Extinguisher, Bottom Lift Attachment, etc., also our new Wind-break around the top of lamp, MAKING IT IMPOSSIBLE FOR THE WIND TO EXTINGUISH THE LIGHT. It is the most perfect Globe Street Lamp made.

Our Patent Bottom Lift Attachment is a great improvement over the old way of raising the globe to light and trim, and for purpose of removing oil fount, as the use of one hand only is required to raise the globe. The possibility of the globe dropping and breaking is positively avoided. The globe is easily removed to clean.

By use of the Automatic Extinguisher the lamp can be set, when lighted, to burn a certain number of hours. It will then go out of its own accord, thus saving the trouble and expense of extinguishing.

Gives a steady, bright light, free from all flickering.

We guarantee this lamp to give perfect satisfaction.

Packed in cases of 1 each. Net weight, 7 lbs.; Gross weight, 29 lbs.

Weight of Posts, 25 lbs. net.

Figure.

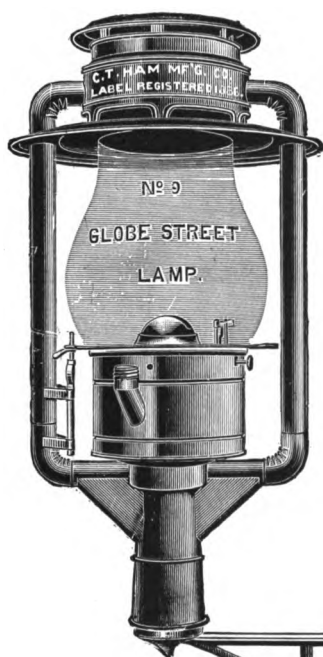
No. 102A—With Tin Fount.

“ 102K— “ Glass “

“ 102B— “ Brass “

“ 102C— “ Copper “

“ 102D—All Brass.



Patented.

In Position on Iron Bracket.

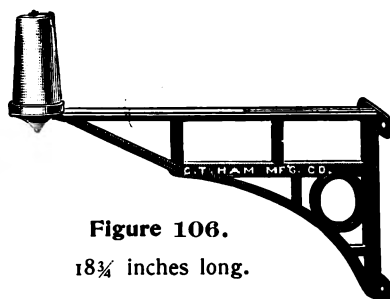


Figure 106.

18 $\frac{3}{4}$ inches long.

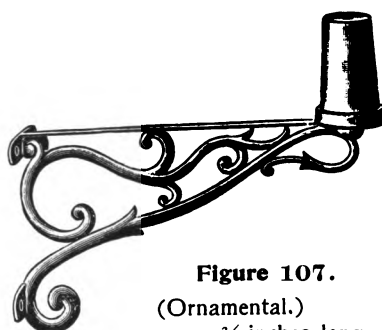


Figure 107.

(Ornamental.)

19 $\frac{3}{4}$ inches long.

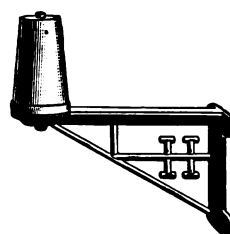


Figure 108.

11 $\frac{1}{2}$ inches long.

No. 9, Improved Globe Tubular Street Lamp and Iron Brackets.

WITH BOTTOM LIFT ATTACHMENT.

Outside Wick Regulator.

Automatic Extinguisher.

No. 3 Globe.

1 $\frac{1}{2}$ in. Wick.

Patent Wind-break.

A perfect burning lamp.

Will not smoke or blow out.

(See page 44.)



Figure
104.
Turned
Wood Post.



Patented.

Figure 109.

No. 10, New Improved Square Tubular Street Lamp.

Outside Wick Regulator.

Automatic Extinguisher.

Patent Wind-break.

1½ inch Wick.

The above cut represents our NEW Improved No. 10 Square Tubular Street Lamp, which is constructed on the same principle as our celebrated No. 9 Globe Street Lamp, and is equal in every respect to the Globe Street Lamp in its burning qualities.

It will not freeze up in cold weather, and will not smoke or blow out in the hardest winds. Gives a very bright light and entirely free from flickering. The burner is set corner-wise across the lamp so that the flat side of the flame is shown from each of the four sides of the lamp, thereby giving an equal light in all directions, and which also prevents the flame from striking the top lights of glass, which in other lamps is a serious defect, causing excessive breakage.

By use of the Automatic Extinguisher the lamp can be set, when lighted, to burn a certain number of hours. It will then go out of its own accord, thus saving the trouble and expense of extinguishing.

This lamp is beautiful in its proportions, strongly and well made, and of the best of material. One trial of this lamp will satisfy all of its superiority.

Packed in cases of 1 each. Net weight, 12 lbs.; Gross weight, 35 lbs.

Weight of Posts, 25 lbs. net.



No. 10, New Improved Square Tubular Street Lamp.

Outside Wick Regulator.

Automatic Extinguisher.

Patent Wind-break.

1½ inch Wick.

A perfect burning lamp.

Will not smoke or blow out.

Will not freeze up in the coldest of weather.

Combustion perfect.



Figure
104.
Turned
Wood Post.



Patented.

No. 9, Improved Globe Tubular Hanging Lamp.

WITH BOTTOM LIFT ATTACHMENT.

AUTOMATIC EXTINGUISHER.

OUTSIDE WICK REGULATOR.

No. 3 Globe.

1½ inch Wick.

Patent Wind-break.

The above Globe Hanging Lamp has Solid Elbows, Automatic Time Extinguisher, Bottom Lift Attachment, and our Patent Wind-break around the top of lamp, making it impossible for the wind to extinguish the light. It is the most perfect Globe Hanging Lamp made.

This lamp is made exactly like our Globe Street, with the exception of the addition of bail to hang, and bottom in place of post socket.

Our Patent Bottom Lift Attachment is a great improvement over the old way of raising globe to light and trim, and for purpose of removing oil fount, as the use of one hand only is required to raise the globe. The possibility of the globe dropping and breaking is positively avoided. The globe is easily removed to clean.

Gives a steady, bright light, free from all flickering.

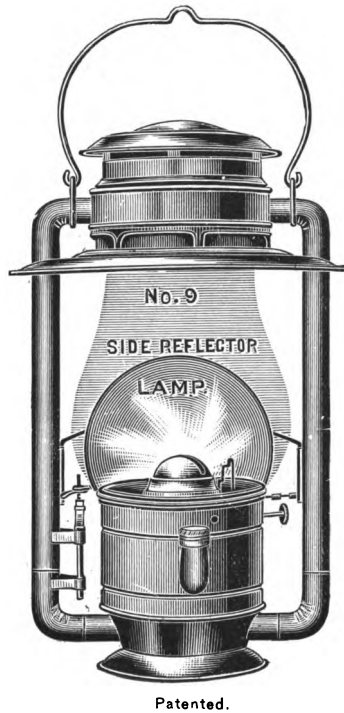
Packed in cases of 1 each.

Figure.

No. 111F—With Tin Fount.

“ 111G— “ Glass “

Net weight, 7½ lbs.; Gross weight, 27 lbs.



No. 9, Improved Globe Tubular Hanging Lamp, with Side Reflector.

WITH BOTTOM LIFT.

OUTSIDE WICK REGULATOR.

Patent Wind-break.

No. 3 Burner.

1½ in. Wick.

No. 3 Globe.

The above Globe Hanging Side Reflector Lamp has Solid Elbows, Bottom Lift Attachment, and our Patent Wind-break around the top of lamp, making it impossible for the wind to extinguish the light.

Our Patent Bottom Lift Attachment is a great improvement over the old way of raising the globe to light and trim, and for purpose of removing oil fount, as the use of one hand only is required to raise the globe. The possibility of the globe dropping and breaking is positively avoided. The globe is easily removed to clean. Gives a fine light.

Packed in cases of 1 each.

Figure.

No. 112H—With Tin Fount.

“ 112J — “ Glass “

Net weight, 8 lbs. ; Gross weight, 28 lbs.

**Figure 113.**

No. 4, Improved Globe Tubular Hanging Lamp.

WITH BOTTOM LIFT. OUTSIDE WICK REGULATOR.

PATENT WIND-BREAK.

No. 2 Burner.

1 inch Wick.

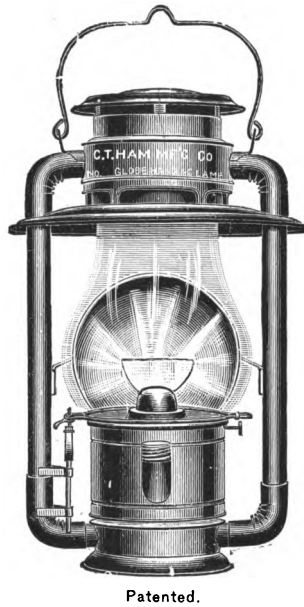
No. 2 Globe.

The above Globe Hanging Lamp has Solid Elbows, Bottom Lift Attachment, and our Patent Wind-break around the top of lamp, making it impossible for the wind to extinguish the light.

Our Patent Bottom Lift Attachment is a great improvement over the old way of raising globe to light and trim, and for purpose of removing oil fount, as the use of one hand only is required to raise the globe. The possibility of the globe dropping and breaking is positively avoided. The globe is easily removed to clean. Gives a fine light.

Packed in cases of 1 each.

Net weight, 5 lbs.; Gross weight, 21 lbs.

**Figure 114.**

No. 4, Improved Globe Tubular Hanging Side Reflector Lamp.

WITH BOTTOM LIFT.

OUTSIDE WICK REGULATOR.

PATENT WIND-BREAK.

No. 2 Burner.

1 inch Wick.

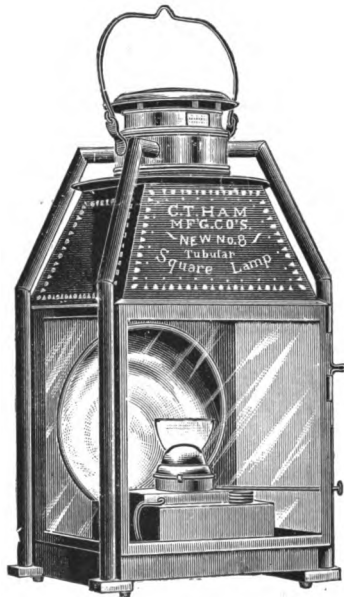
No. 2 Globe.

The above Globe Hanging Side Reflector Lamp has Solid Elbows, Bottom Lift Attachment, and our Patent Wind-break around the top of lamp, making it impossible for the wind to extinguish the light.

Our Patent Bottom Lift Attachment is a great improvement over the old way of raising the globe to light and trim, and for purpose of removing oil fount, as the use of one hand only is required to raise the globe. The possibility of the globe dropping and breaking is positively avoided. The globe is easily removed to clean. Gives a fine light.

Packed in cases of 1 each.

Net weight, 6 lbs. ; Gross weight, 22 lbs.



Patented.

Figure 115.

No. 8, New Improved Square Tubular Lamp.

OUTSIDE WICK REGULATOR.

PATENT WIND-BREAK.

TEN INCH SILVERED GLASS REFLECTOR.

Height, 24½ in.

Width, 13½ in.

Depth, 11½ in.

No. 3 Burner.

1½ in. Wick.

Furnished with guards if desired.

Gives a very bright light, equal to the best gas jet, and will not smoke or blow out in the strongest wind. Especially adapted for use in warehouses, packing houses, saw mills, lumber yards, freight yards, railway stations, or places where a good strong light is required.

Packed in cases of 1 each.

Net weight, 11 lbs.; Gross weight, 31 lbs.



Patented.

Figure 116.

No. 5, Triangular Tubular Lamp. No Chimney.

OUTSIDE WICK REGULATOR.

PATENT WIND-BREAK.

TEN INCH SILVERED GLASS REFLECTOR.

No. 3 Burner.

1½ inch Wick.

An elegant lamp.

Made of heavy material and finely finished.

This lamp produces a very bright light. Has been adopted by many of the leading railroads as a station lamp. Also suitable for bridges, stables, mills, packing houses, large halls, etc. Is not affected by the wind.

Packed in cases of 1 each.

Net weight, 10 lbs.; Gross weight, 30 lbs.



Patented.

Figure 117.

No. 7, New Improved Square Tubular Lamp.

OUTSIDE WICK REGULATOR.

PATENT WIND-BREAK.

EIGHT INCH SILVERED GLASS REFLECTOR.

Height, 22½ in.

Width, 11¼ in.

Depth, 10½ in.

No. 3 Burner.

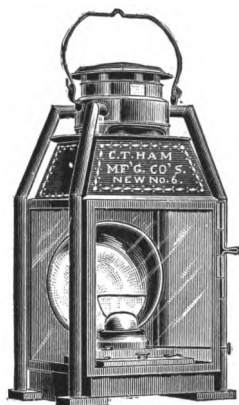
1½ in. Wick.

Furnished with guards if desired.

Gives a very bright light, equal to the best gas jet, and will not smoke or blow out in the strongest wind. Especially adapted for use in warehouses, packing houses, saw mills, lumber yards, freight yards, railway stations, or any place where a good strong light is required.

Packed in cases of 1 each.

Net weight, 8 lbs. ; Gross weight, 23 lbs.



Patented.

Figure 118.

No. 6, New Improved Square Tubular Lamp.

OUTSIDE WICK REGULATOR.

PATENT WIND-BREAK.

SIX INCH SILVERED GLASS REFLECTOR.

Height, $16\frac{3}{4}$ in.

Width, $8\frac{3}{4}$ in.

Depth, $7\frac{1}{2}$ in.

No. 2 Burner.

1 in. Wick.

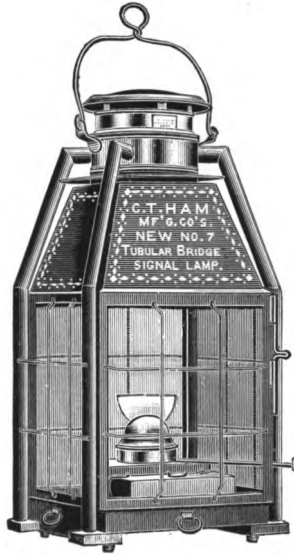
Furnished with guards if desired.

Gives a very bright light, equal to the best gas jet, and will not smoke or blow out in the strongest wind.

Just the thing where a small lamp is required.

Packed in cases of 1 each.

Net weight, 5 lbs.; Gross weight, $13\frac{1}{2}$ lbs.



Patented.

Figure 119.

New No. 7, Tubular Square Bridge Signal Lamp.

No. 3 Burner.

1 ½ inch Wick.

Furnished with colored glass four sides, or glass in two sides and front, and with solid back and Corrugated Glass Reflector.

This lamp has our Patent Wind-break, and will not smoke or blow out in the strongest gales.

Wick is regulated without opening door.

For a Bridge Signal Lamp it is not excelled.

Packed in cases of 1 each.

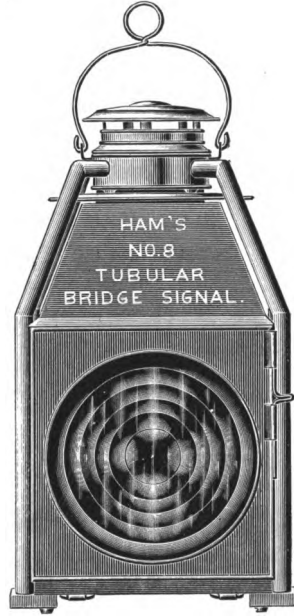
Net weight, 9 lbs. ; Gross weight, 25 lbs.



No. 7.

Figure No. 186.

Patented.



No. 8.

Figure No. 187.

Tubular Square Bridge Signal Lamps.

No. 3 Burner.

1½ inch Wick.

FURNISHED WITH 8 INCH SEMAPHORE LENSES, IN COLORS AS DESIRED.

ALSO WITH BULL'S EYE LENSES IF DESIRED.

For use on Railroad Bridges.

Made of Galvanized Iron.

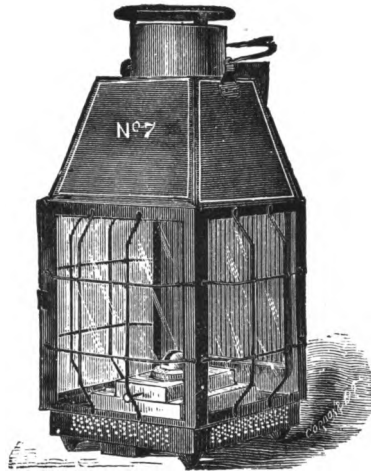


Figure 120.

No. 7, Tubular Square Government Guarded Lamp.

CORRUGATED GLASS REFLECTOR.

No. 2 Burner.

1 inch Wick.

Same Size as No. 7 Square Lamp.

This lamp is especially adapted for Government use, railway stations, mines, etc. It is made with eight inch Square Corrugated Glass Reflector, Square Air Tube on back of lamp, etc.

Packed in cases of 1 each.

Net weight, 9 lbs. ; Gross weight, 25 lbs.

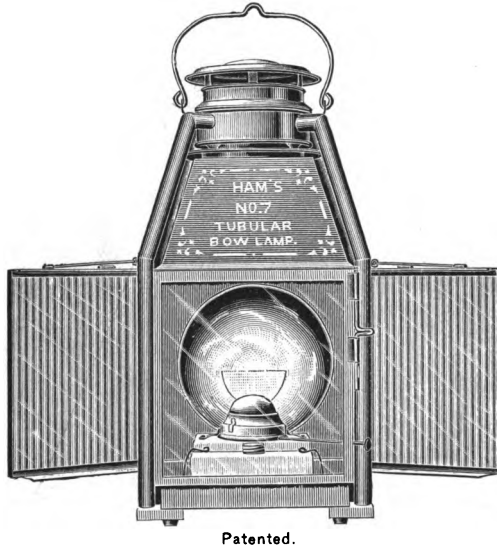


Figure 105.

No. 7, New Improved Tubular Square Bow Lamp.

EIGHT INCH SILVERED GLASS REFLECTOR.

No. 3 Burner.

1½ inch Wick.

With Corrugated Glass Side Reflectors.

For Boat use.

Packed in cases of 1 each.

Net weight, 10 lbs. ; Gross weight, 23 lbs.



Figure 121, No. 1—Small Size.

Figure 122, No. 2—Medium Size.

Figure 123, No. 3—Large Size.



Figure 124.

Nested for Packing.

SQUARE STATION LAMPS.

Three Sizes—Nos. 1, 2 and 3.

These lamps are put up complete with Fount, Burner, Chimney and Silvered Glass Reflector.

Also furnished without Burner, Chimney or Reflector, and the three lamps nested.

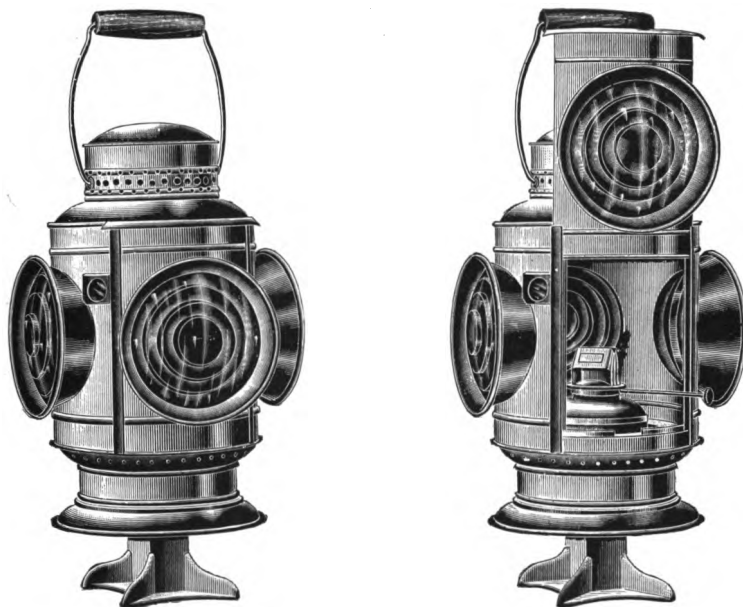
Packed in cases of 1 each, or 3 nested together and packed in 1 case.

No. 1. { Net weight, 4 lbs.
Gross " 12 "

No. 2. { Net weight, 6 lbs.
Gross " 15 "

No. 3. { Net weight, 8 lbs.
Gross " 20 "

1, 2 and 3, { Net weight, 16 lbs.
Nested. { Gross " 35 "



Door Raised to Light.

Figure 161 —With 4 inch Semaphore Lens.

“ 161A— “ $5\frac{3}{8}$ “ “ “

Switch Target Lamp—Railroad.

ROUND BODY. FOR KEROSENE.

Furnished with Red, Green, Blue or White Lenses—4 inch and $5\frac{3}{8}$ inch,
as desired.

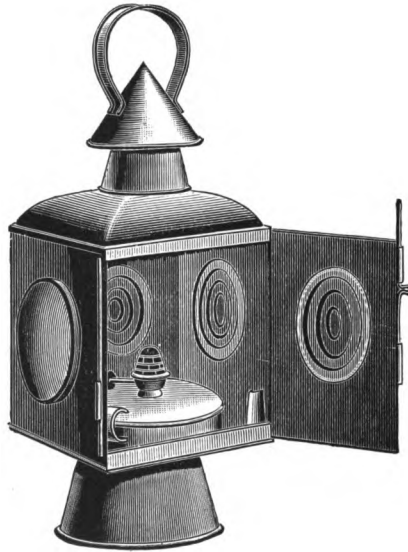


Figure 126.

Railroad Switch Target Lamp.

SQUARE BODY.

4 INCH CORRUGATED LENS.

ANY COLOR LENS.

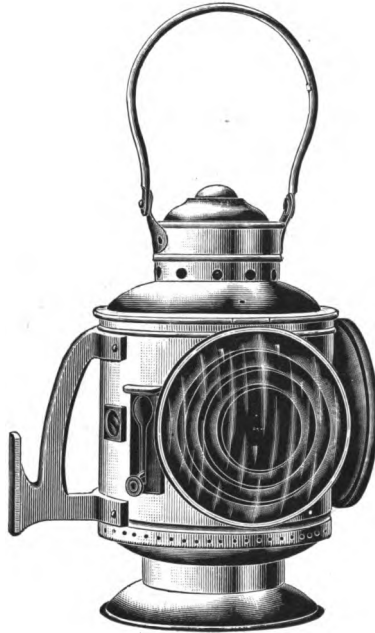


Figure 180.

“Blizzard” or Engine Signal Lamp.

ROUND BODY.

Prices furnished on application, according to styles of Lenses required.

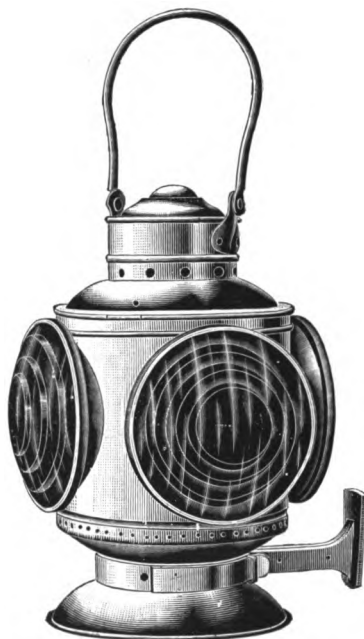


Figure 130.

“Marker” or Rear Signal Lamp—Railroad.

ROUND BODY.

FOR USE ON PASSENGER TRAINS.

Prices furnished on application, according to styles of Lenses required.

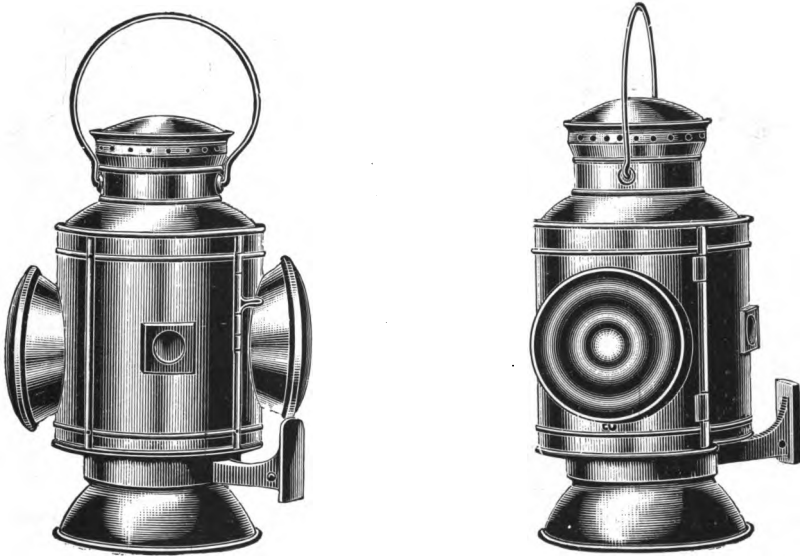


Figure 129.

“Marker” or Rear Signal Lamp.

FOR PASSENGER TRAINS.

WITH FOUR INCH CORRUGATED LENS.

ANY COLOR.

This lamp is used on rear of Passenger Trains, one on each corner of the car.

RAILROAD TAIL LAMPS.

SQUARE BODY.

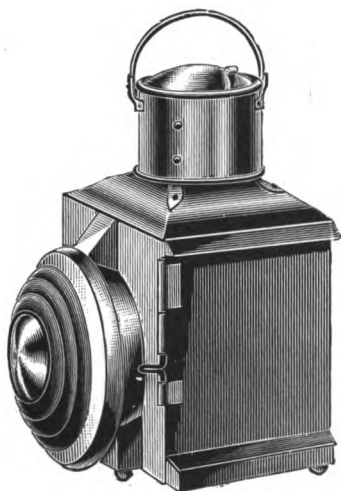


Figure 131.

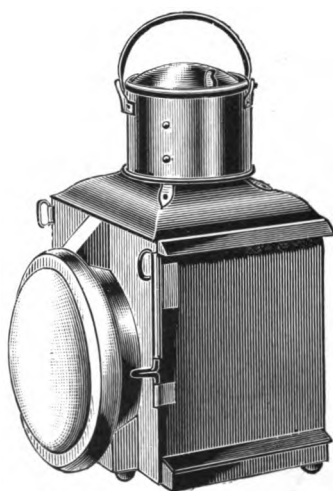


Figure 132.

Single Eight Inch Semaphore Lens and Bull's Eye Tail Lamp.

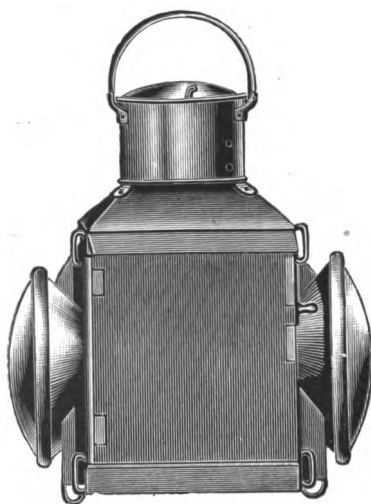


Figure 133.

Double Eight Inch Semaphore Lens and Bull's Eye Tail Lamp.

SQUARE BODY.

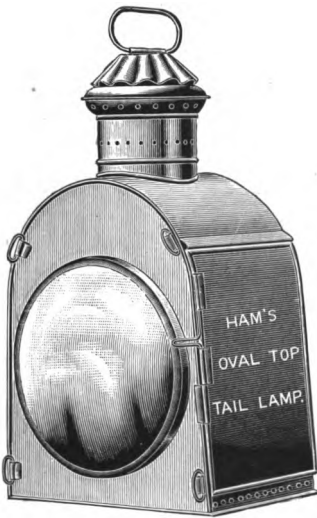


Figure 136.

SINGLE EIGHT INCH LENS.



Figure 179.

DOUBLE EIGHT INCH LENS.

Oval Top Railroad Tail Lamps.

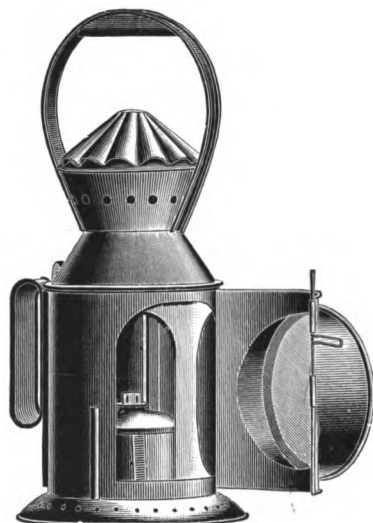


Figure 134.

Railroad TRI-COLORED Inspector's Lamp.

WITH FOUR INCH REFLECTOR.

FIVE INCH BEVELED EDGE FRONT GLASS.

Showing Red, Green or White Light, as desired.

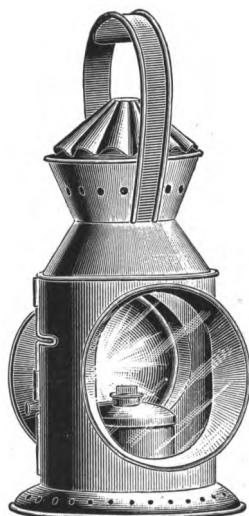


Figure 135.

Railroad Inspector's Lamp.

(WITHOUT THE TRI-COLORS.)

WITH FOUR INCH REFLECTOR.

FIVE INCH BEVELED EDGE FRONT GLASS.

For inspecting cars.

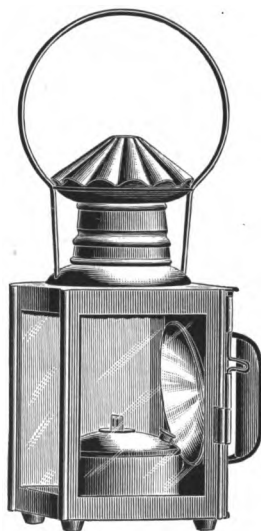


Figure 137.

Square Railroad Signal Lamp.

WITH SILVERED METAL REFLECTOR.

For inspecting cars.

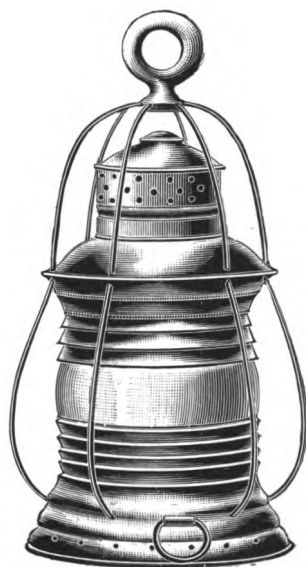


Figure 138.

Pole Target or Mast Head Lamp.

WITH IMPROVED BOTTOM.

Burns Kerosene.

With White, Green or Ruby Fresnel.

Will not blow out.

Brass and Nickel Cab and Gauge Lamps.

BRASS AND NICKEL PLATED.

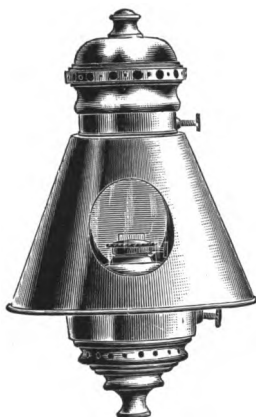


Figure 139.
Loose Globe.

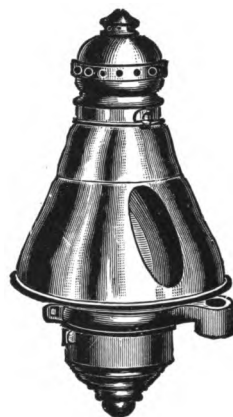


Figure 140.
Plastered Globe.

Locomotive Cab Lamps.

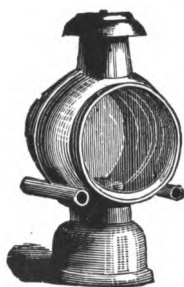


Figure 141.
(Grant Pattern.)

Locomotive Gauge Lamp.

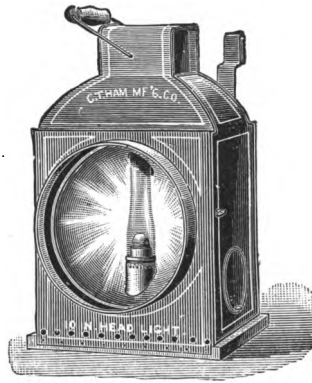


Figure 142.

Ten Inch Square Motor Head Light.

WITH DASH BOARD ATTACHMENT.

For Cable or Motor Cars.

We present herewith cut of our new Ten Inch Square Motor or head Light, for use on Cable and Electric Motor Cars and Railroad Switch Engines.

Gives a strong light, and draft is so arranged that the flame will not blow out in high winds, and will not jar out in passing over switches, frogs, etc.

The lamp can be instantly placed in position on the dash of motor car and as readily removed. It is strongly made and nicely finished.

CASE— $21\frac{3}{4}$ inches high, 12 inches wide, $9\frac{1}{2}$ inches in depth.

REFLECTOR—Made of Copper and Silver plated. 10 inches diameter, $3\frac{3}{4}$ inches in depth.

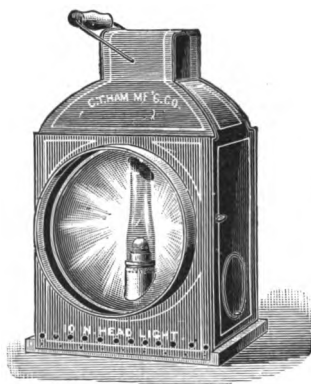
BURNER—Regular Locomotive Head-light Pattern. Takes circular "Moehring" wick, 5 inches long.

CHIMNEY—No. 87, "Ham's" Pattern.

Net weight, 16 lbs.; Gross weight 32 lbs.

**Figure 143.**

Foot Piece for Head Light
to set on, on Boiler
Head.

**Figure 144.****Figure 145.**

Bracket for 10 and
11 in. Stack.

Traction Engine Head Light.

TEN INCH.

When ordering, specify whether with or without the Bracket and Foot Piece.

This Head Light is especially adapted for this purpose, as it gives a very strong light, and the draft is so arranged that the flame will not smoke or blow out in high winds, nor jar out while passing over rough roads.

It is strongly made and nicely finished.

CASE—21 $\frac{3}{4}$ inches high, 12 inches wide, 9 $\frac{1}{2}$ inches in depth.

REFLECTOR—Made of Copper and Silver Plated. 10 inches diameter, 3 $\frac{3}{4}$ inches deep.

BURNER—Regular Locomotive Head-light Pattern. Takes circular “Moehring” wick, 5 inches long.

CHIMNEY—No. 87, “Ham’s” Pattern.

Net weight, 16 lbs.; Gross weight, 32 lbs.

Tubular Lantern Globes.

FOR TUBULAR LAMPS AND LANTERNS.

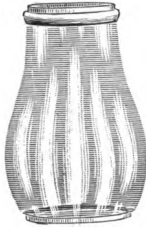


Figure 146.

NO. 0 TUBULAR GLOBE.

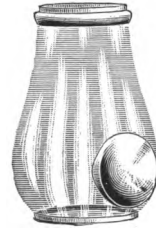


Figure 147.

NO. 0 TUBULAR BULL'S EYE GLOBE.



Figure 148.

NO. 00 OR "GEM" GLOBE.

These Globes furnished
direct from glass works in
original packages, and from
our factory in Rochester.



Figure 149.

NO. 1 TUBULAR GLOBE.

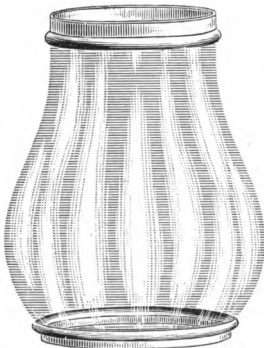


Figure 150.

**NO. 9 STREET AND HANGING
LAMP GLOBE.**

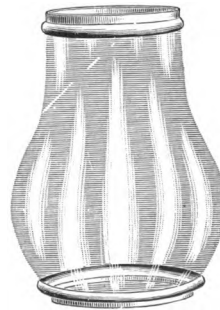


Figure 151.

NO. 4 (2) HANGING LAMP GLOBE.

Railroad and Commercial Lantern Globes.

AND BEST FLINT HAND-MADE CONDUCTORS' GLOBES.

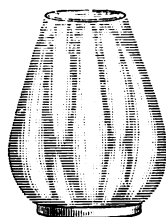


Figure 152.
NO. 39 R. R. GLOBE.

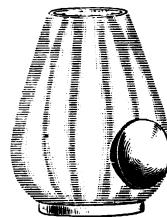


Figure 153.
NO. 39 R. R. GLOBE.
WITH BULL'S EYE.

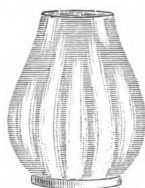


Figure 154.
NO. 1 "QUEEN" COND'R GLOBE.

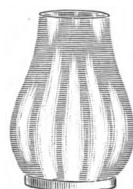


Figure 155.
"PULLMAN" COND'R GLOBE.

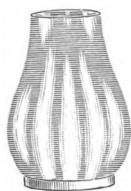


Figure 156.
NO. 3 COND'R GLOBE.

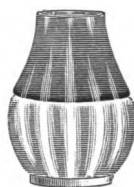


Figure 157.
NO. 3 COND'R GLOBE.
ONE-HALF COLORED.

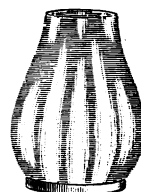


Figure 158.
NO. 6 COND'R GLOBE.

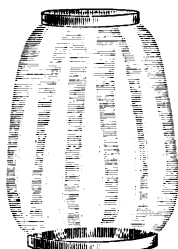


Figure 159.
**NO. 7 OLD STYLE LAKE AND
RIVER GLOBE.**

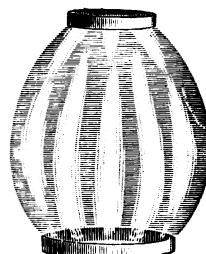


Figure 160.
**NO. 7 (NEW) GOVERNMENT
PATTERN GLOBE.**

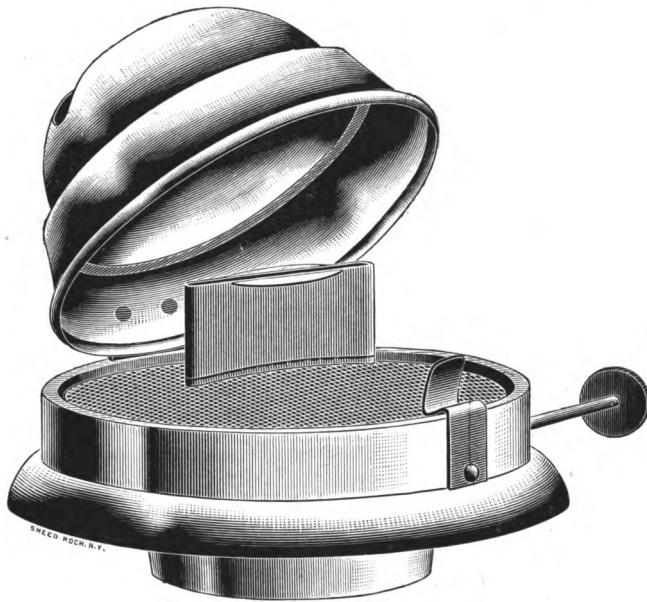


Figure 165.

Ham's No. 9 Tubular Burner.

NEW STYLE, "D" WICK—1½ INCH.

We present herewith cut of our NEW NUMBER NINE TUBULAR BURNER, which we are now using in the following lamps of our make, viz:

No. 9,	Globe	Tubular	Street	Lamp.
" 9,	"	"	Hanging	"
" 10,	Square	"	Street	"
" 7,	"	"	Lamp.	
" 8,	"	"	"	
" 5,	Triangular	Tubular	Lamp.	

When requiring EXTRA BURNERS for repairs for these lamps they should be supplied *by us*, for the following reasons:

When we receive the burners from the burner manufacturer, we add to the burner and adjust it properly for the lamp for which it is intended, and thereby produce a perfect working lamp. The burner as sent out by the burner makers will not work well in our lamps on account of their not being properly adjusted, and the consumer finds that his lamp smokes, *and condemns the lamp unjustly*, when the cause of all the trouble is in not using the right burner.

ASK FOR HAM'S NO. 9 BURNER, and state for which of the above lamps it is required, and DON'T ACCEPT ANY OTHER.

Tubular Lantern Burners.

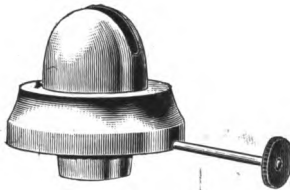


Figure 189.

**NO. 0, ½ IN. TUBULAR BURNER.
FOR GEM OR NO. 00 LANTERN
AND GEM DRIVING LAMP.
AND NO. 0 AND NO. 39 COLD BLAST LANTERNS.**

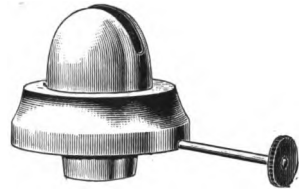


Figure 163.

**NO. 1, ¾ IN. TUBULAR BURNER,
FOR NO. 0 LANTERN.**

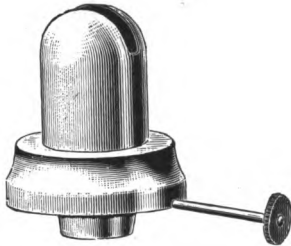


Figure 167.

**NO. 1, ¾ IN. HIGH CONE HOOD
REFLECTOR LAMP BURNER.**

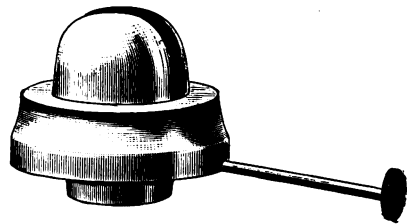


Figure 164.

**NO. 2, 1 IN. TUBULAR BURNER,
FOR NOS. 2, 4, 6, 12 AND 17.**

Railroad Lantern Kerosene Burner.

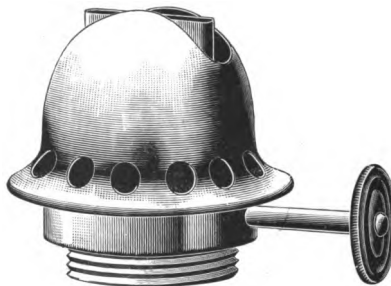


Figure 190.

NO. 1, "SANGSTER." ¾ INCH WICK.

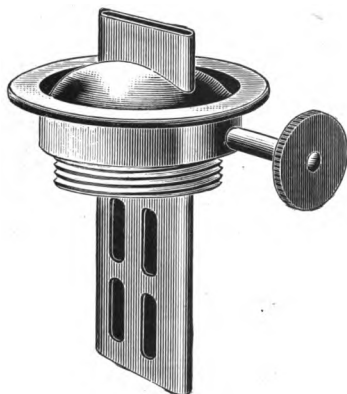
Railroad Lantern Burners. Lard Oil and Kerosene.

Figure 168.
NO. 1, RATCHET BURNER.
 5-8 IN WICK. LARD OIL.

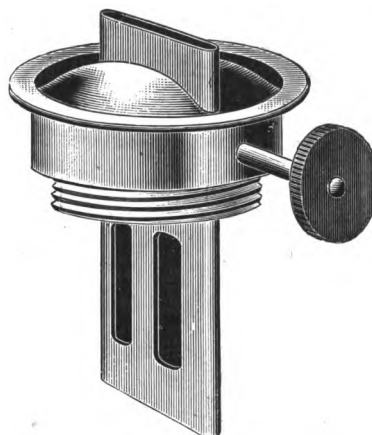


Figure 169.
NO. 1, EXTRA RATCHET BURNER.
 7-8 IN. WICK. LARD OIL.

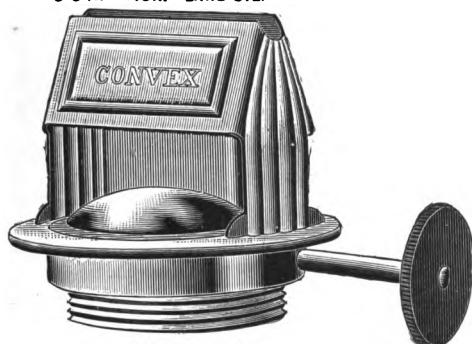


Figure 170.
NO. 2, CONVEX BURNER.
 7-8 IN. WICK. KEROSENE.

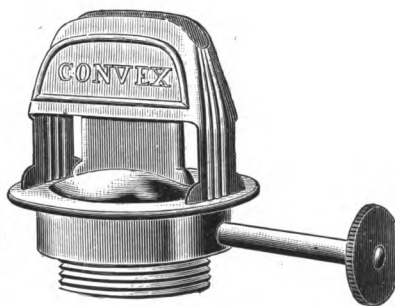


Figure 171.
NO. 1, CONVEX BURNER.
 5-8 IN. WICK. KEROSENE.

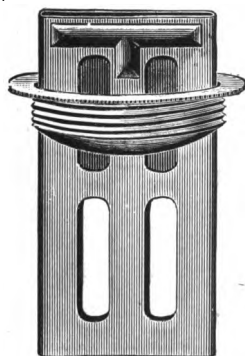


Figure 172.
NO. 1, EXTRA FLAT
COPPER BURNER.
 7-8 IN. WICK. LARD OIL.

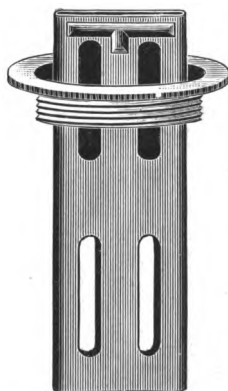


Figure 173.
NO. 1, FLAT COPPER
BURNER.
 5-8 IN. WICK. LARD OIL.

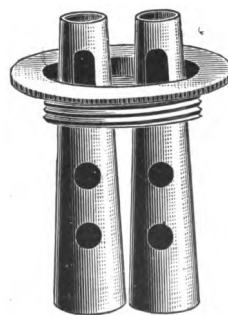


Figure 174.
NO. 1, TWO TUBE TIN
BURNER.
 LARD OIL.

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Ham, C.T., Manufacturing Co., Rochester,
Lanterns and lamps : Catalogue no. 5.



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