

GALE'S Patent Circus Lights, IMPROVED,

For Lighting Tents of every Description,

*Pleasure Grounds, Camp Grounds, Manufacturing
Establishments, Public Halls, Etc.*

FOR simplicity, durability and brilliancy, the Gale Light has no equal, and is used by all principal shows in the United States, South America, Australia, Mexico and Cuba; also used by all the leading Medicine Companies, for which Gale's Improved Beacon Lights are particularly recommended, as it will run for an entire season without repacking or disturbing.

WRITE FOR FURTHER PARTICULARS.

M. F. GALE,

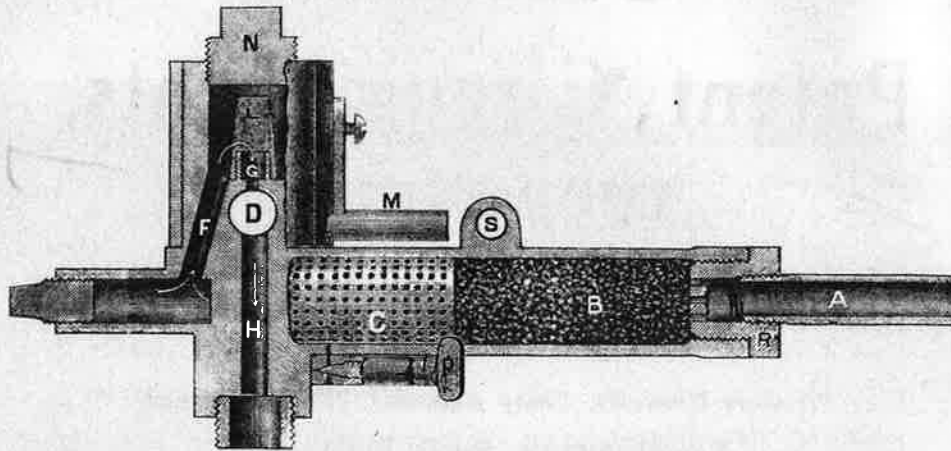
Patentee and Manufacturer,

68 West Street,

Brooklyn, N. Y.

One Block from 10th and 23d Street Ferries.

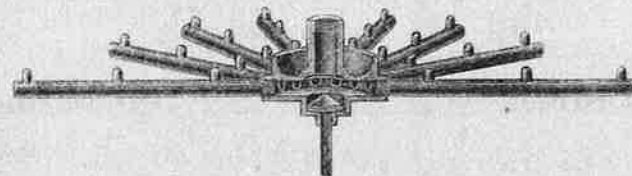
RETORT.



These cuts represent a sectional view of the Retort and Cluster, and is described as follows :

- A. Feed Pipe.
- B. Packing in Neck of Retort.
- C. Perforated Cylinder.
- D. Air Hole.
- E. Gas Passage to Jet.
- F. Inducing Jet.
- G. Gas Passage to Cluster.
- H. Air Regulator.
- N. Plug in Top of Retort.
- P. Thumb Screw Valve.

CLUSTER.



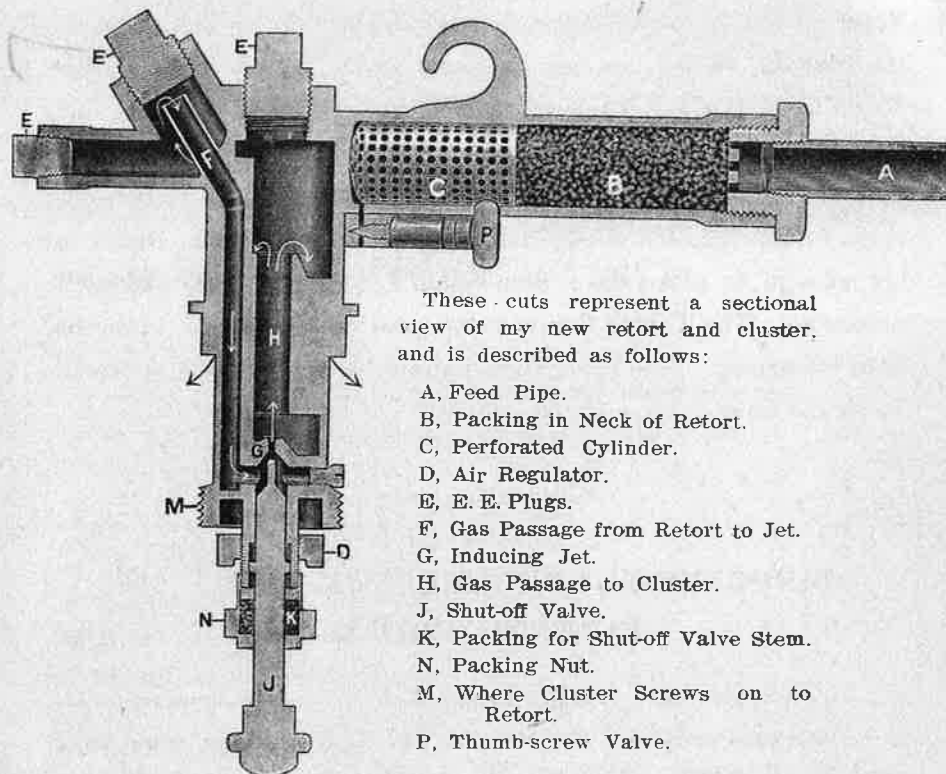
DIRECTIONS FOR LIGHTING.

When you have your chandelier ready for lighting, first open **THUMB SCREW VALVE** ; give it several turns. Then open **Feed Valve** a little, and at the same time watch the **Cup** in the center of the **Cluster**. When you see it about half full, close the **FEED VALVE QUICKLY**, then close **THUMB SCREW VALVE**, and light the oil in the **Cup**. When the **Retort** becomes hot it will make gas, and the light will begin to burn. When it gets well under way, open **FEED VALVE SLOWLY**, to make sure that the **Retort** is hot enough to make gas ; then open **Feed Valve** wide and let it remain so. The **Thumb Screw Valve** must remain closed while the light is burning. The **Feed Valve** should be well opened, or it will check the force of oil, and the light will not burn properly.

DIRECTIONS FOR KEEPING LIGHT IN RUNNING ORDER.

Do not put any packing in the **Retort**, only in the neck of it, as represented at **B.** and **C.** Should the **Light** at any time burn languid, or apparently with not much force, remove **Plug N.**, also the **Wire Screen L.** and see that **Jet G.** is clear and free from dirt (it can be cleaned with a small wire). Should you find the **Jet** all right, then you may know the trouble lies in **FEED PIPE A.** It may become clogged or packed too tight, so as to check the flow of oil. It must be so as to allow the oil to flow quite free. The above mentioned parts are all that require being looked after to keep the light in perfect running order. **IN RE-PACKING THE FEED PIPE, A.**, observe as nearly as possible the amount of **WICK** you find in it and put in the same quantity, and you will have no trouble.

THE NEW RETORT.



NEW CLUSTER.

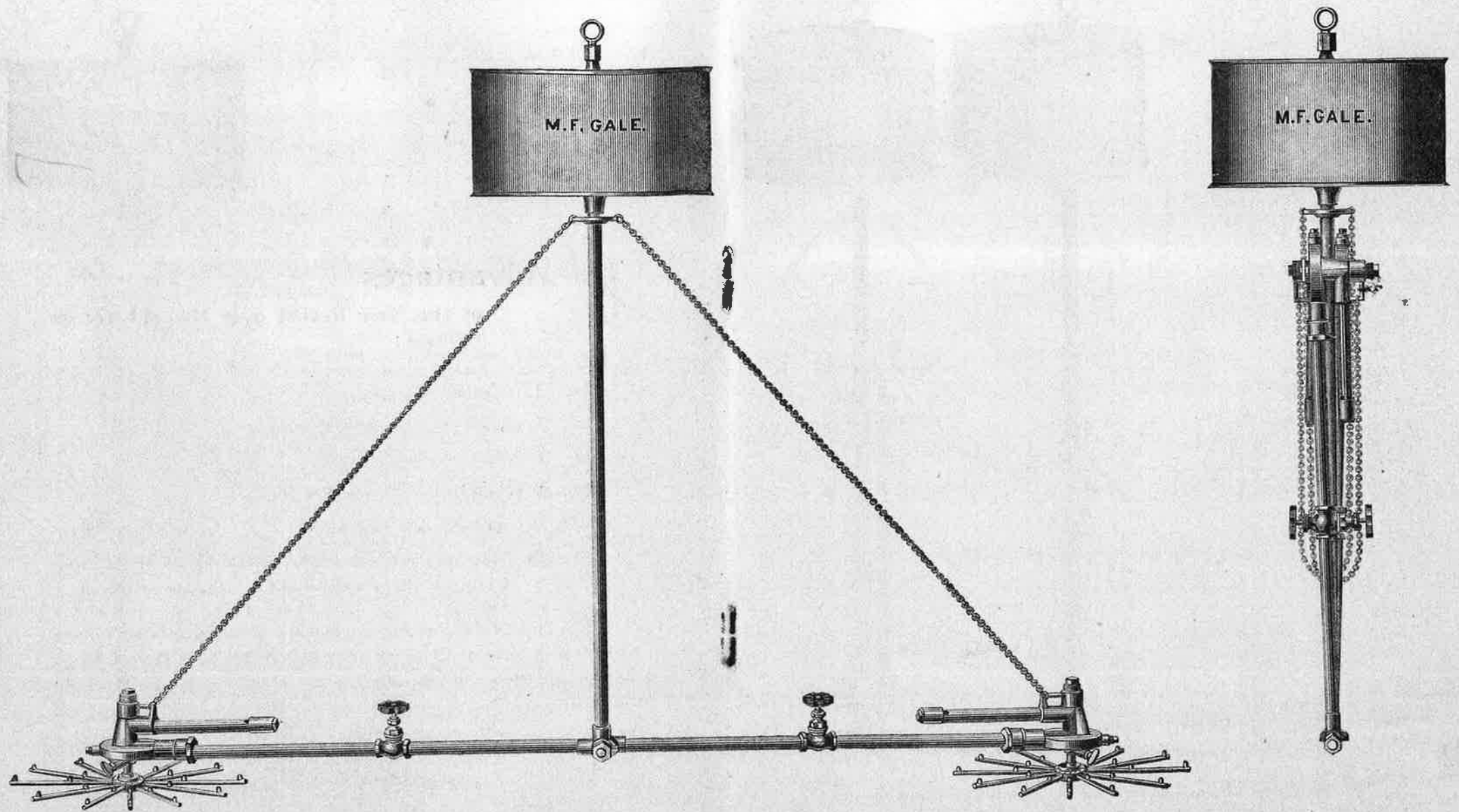


The Advantages

of the New Retort over the old are as follows:

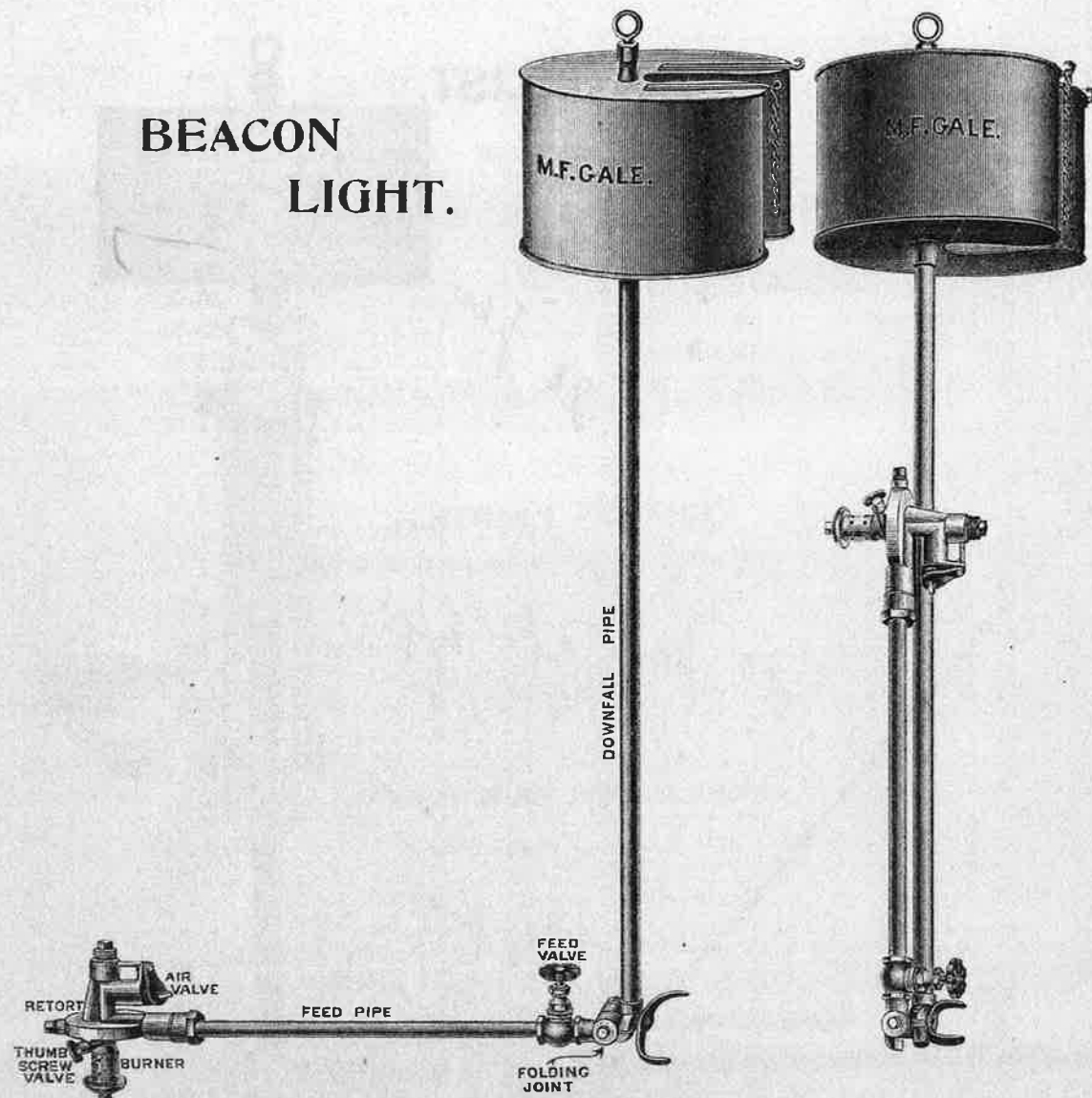
- 1st. It consumes less oil.
- 2d. It gives a steadier and whiter light.
- 3d. It is easier to handle.
- 4th. It is less liable to get out of order.
- 5th. It is much less in weight.
- 6th. In case of any accident, such as a blow-down or the light falling, it will go out instantly, also shut off the oil.

The Improved Retort can be attached to any chandelier to take the place of the old. A 32 jet will give a better light than a 48 jet of the old style. By pushing up the shut-off valve J., the light goes out instantly and shuts off the oil; this a great advantage, and *can not be done* with any other light on the market.



This cut represents a TWO-ARM CHANDELIER. This light is especially for interior illuminations, and has no equal. It is acknowledged, by all who have used them, to be the most complete Chandelier ever introduced for traveling exhibitions of every description. To ship the Chandelier, it is not necessary to take it apart; it folds up in a very compact shape, as represented in above cut. Nothing is disconnected but the cluster, and with proper usage need not be taken apart for seasons. They have been run for two or three seasons without having any of the parts disconnected. This is a great advantage over the former style. Taking apart the Chandelier for shipping is the principal thing that gives rise to the many difficulties that inexperienced parties have had in keeping the Lights in perfect running order. The new mode of packing the Retort and the device for folding up the Light, overcomes all the trouble that may have been experienced heretofore and enables anyone to use them with perfect success and safety.

BEACON LIGHT.



The above cut represents my latest improved BEACON LIGHT, complete. This Light is especially for outdoor purposes, and has no equal for simplicity, durability and convenience. It gives double the light, with the same amount of oil, of any other Light manufactured. It contains less parts and is so simple that it can be handled with perfect success and safety by anyone. For Traveling Exhibitions of every description it is the most complete light ever produced. It does not need to be taken apart for transportation. This fact alone makes it worth double that of any other light. It folds up as represented by above cut, and with ordinary fair usage, it will not be necessary to disconnect any of its parts for years.

PRICE LIST.

CHANDELIERS FOR INTERIOR ILLUMINATION.

No. 1 Chandelier, 1 arm, 8 jets.				\$ 10 00
" 2 "	" 16 "			20 00
" 3 "	" 24 "			33 50
" 4 "	" 48 "			50 00
" 5 "	2 " 96 "			100 00
" 6 "	3 " 144 "			150 00
" 7 "	4 " 162 "			200 00
" 8 "	6 " 288 "			275 00

BEACON LIGHTS.

FOR ALL KINDS OF OUT DOOR ILLUMINATION.

No. 1 Beacon			\$ 8 00
" 2 "			19 00
" 3 "			37 50
" 4 "			45 00

PRICE LIST FOR FOLDING JOINT.

No. 1 Chandelier, 1 arm			NET.
" 1 "	2 "		\$ 2 50
" 2 "	1 "		4 00
" 2 "	2 "		4 00
" 3 "	1 "		6 00
" 3 "	2 "		5 00
" 4 "	1 "		8 00
" 5 "	2 "		6 00
" 6 "	3 "		10 00
" 7 "	4 "		12 00
			15 00

IN ORDERING LIGHTS, PLEASE STATE WHETHER WITH OR WITHOUT FOLDING JOINT.

TERMS:—A Deposit of 20 per cent. required on all orders, the balance C. O. D.

REFERENCES.

BARNUM & BAILEY,
RINGLING BROS.,
SELLS BROS.,
B. E. WALLACE,
ROBERT HUNTING,
HAGAR & HENSHAW,
COLE & LOCKWOOD,
HURLBURT & LEFTWICH,
CARLISLE & BEATTIE,
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STAUB BROS.,
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