

(No Model.)

T. A. BROUWER, Jr.
SCREEN FOR LAMPS OR GAS LIGHTS.

No. 486,323.

Patented Nov. 15, 1892.

Fig: 1.

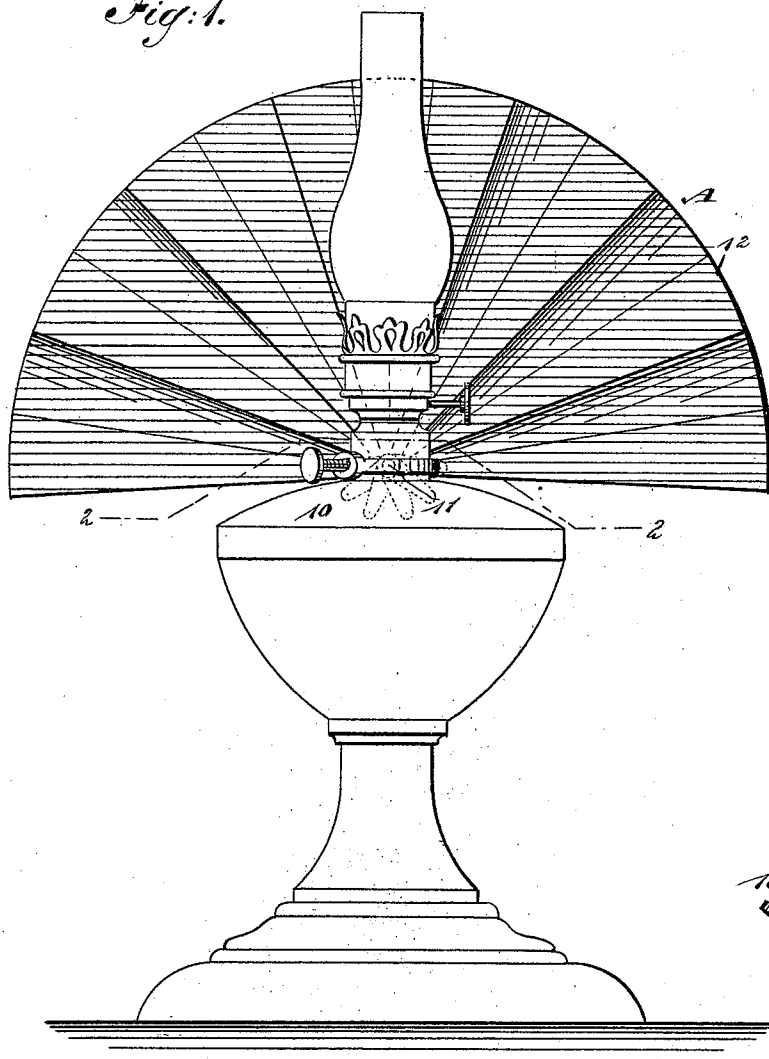


Fig: 2.

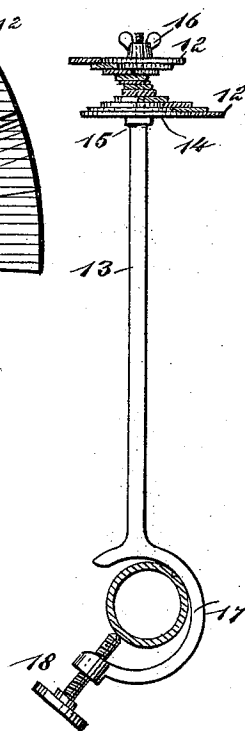


Fig: 3.

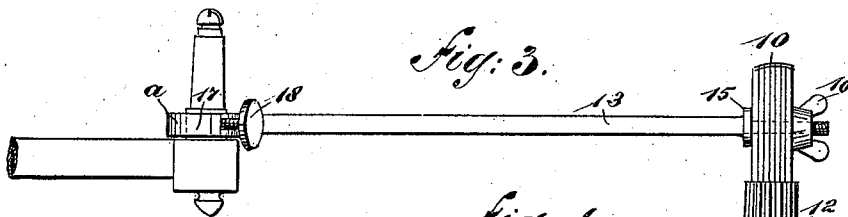
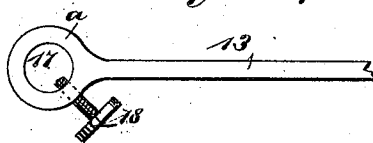


Fig: 4.



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SCREEN FOR LAMPS OR GAS-LIGHTS.

SPECIFICATION forming part of Letters Patent No. 486,323, dated November 15, 1892.

Application filed March 22, 1892. Serial No. 425,920. (No model.)

To all whom it may concern:

Be it known that I, THEOPHILUS A. BROUWER, Jr., of East Hampton, in the county of Suffolk and State of New York, have invented a new and useful Improvement in Screens for Lamps or Gas-Lights, of which the following is a full, clear, and exact description.

My invention relates to an improvement in screens, and has for its object to provide a screen especially adapted to shade the light from a lamp or from a gas-light, and also has for its object to provide a screen of exceedingly simple, durable, and economic construction, capable of being expeditiously and conveniently attached to a gas-burner or to a lamp, and to so construct the screen that it may be rendered more or less wide or may be folded up in like manner as a fan and dropped down out of the way when not in use.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of a lamp, illustrating the application of the improved screen thereto. Fig. 2 is a section taken practically on the line 2 2 of Fig. 1, illustrating the attaching medium of the screen in plan view. Fig. 3 is a side elevation of the device applied to a gas-burner, the screen being in its inverted position, which position it occupies when not in use; and Fig. 4 is a detail plan view of a portion of the attaching medium of the screen.

The screen A is constructed somewhat like a fan, and comprises a series of ribs 10, pivoted near one end by a pivot-pin 11 or the equivalent thereof, each of said ribs carrying a panel 12 of any suitable or desired material, the panels being connected by yielding or flexible material, so that one panel may be folded over upon the other or any desired number of panels may be unfolded while some of them remain in the folded position.

One end of the rod or bar 13 is utilized as the pivot-pin for the panels of the screen, and this portion of the rod is designated by the

reference-numeral 14 in the drawings, it being divided from the body of the rod by a shoulder or collar 15, and the outer end of this pivot-section of the rod is threaded and provided with a lock-nut 16 or its equivalent. The pivot-section of the rod 13 is passed through suitable apertures in the ribs 10, and the ribs are held in position one upon the other or one over the other by the lock-nut 16, as is best shown in Fig. 2. At the opposite end of the rod 13 a socket 17 is formed. This socket, when the device is to be placed over a gas-burner, is circular, as shown at a, in Figs. 3 and 4; but when it is to be placed around the neck of a lamp-body, as shown in Fig. 1, or around any portion of the burner of a lamp, the socket is open at one side, so that it may be sprung to position; but no matter how the socket is constructed, a locking device is used in connection therewith, and the locking device preferably employed consists of a binding or adjusting screw 18, passed through a threaded aperture in the socket in such manner that it may engage with the article that the socket surrounds.

It is evident that when the device is attached to a lamp or to a gas-burner, for instance, and the screen is carried to its upper vertical position as many of its panels may be spread apart as may be required to properly shade the room or a portion of the room, or the screen may be entirely opened and may be held in such position by the lock-nut 16. When the screen is not needed, the lock-nut 16 may be loosened and the screen, when folded, may be permitted to drop downward, as shown in Fig. 3, from which position it may be quickly and conveniently elevated when its use is required.

It is obvious that when a screen is constructed, as has been above described, the screen may be made of a combustible material, such as paper, as the screen is held at such a distance from the flame that the latter will have no effect whatever upon the screen, and there is a free circulation of air at all times between the flame and the screen. This construction of the screen and its support admits of a material being employed for such screens which has not been possible under other constructions.

Having thus described my invention, I

claim as new and desire to secure by Letters Patent—

1. A screen for lamps, consisting of an arm having an attaching device at one end, a series of folding panels having registering apertures through which the opposite end of the arm projects, and an adjusting device to secure the panels in any desired position, substantially as set forth.
2. In a device of the character described, the combination, with an arm, of a series of panels capable of folding one over the other and pivoted upon the arm, and a locking device carried by the arm and adapted for engagement with the panels, and a socket formed at one end of the arm, the said socket being provided with a locking mechanism, as and for the purpose specified.
3. In a device of the character described, the combination, with an arm, of a screen comprising a series of panels of fan-like ar-

rangement and loosely pivoted upon the arm at one end, and a locking device carried by the arm adapted to exert pressure upon the panels to hold them in a predetermined position, a socket formed at one end of the arm and adapted to embrace a gas-burner, a portion of a lamp or a fixture, and a set-screw extending within the socket and adapted for engagement with the article that the socket surrounds, as and for the purpose set forth.

4. As an improved article of manufacture, a fan-like screen comprising panels adapted to fold one upon the other and an arm carrying a socket and locking mechanism, the said arm constituting a pivot-pin for the panels of the screen, as and for the purpose set forth.

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Witnesses:

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