No. 640,659. Patented Jan. 2, 1900.

J. H. HOOD.

SUPPORT FOR GLOBES, &c., OF GAS BURNERS.

(Application filed Feb. 23, 1899.)

(No Model.)

Fig. 1.

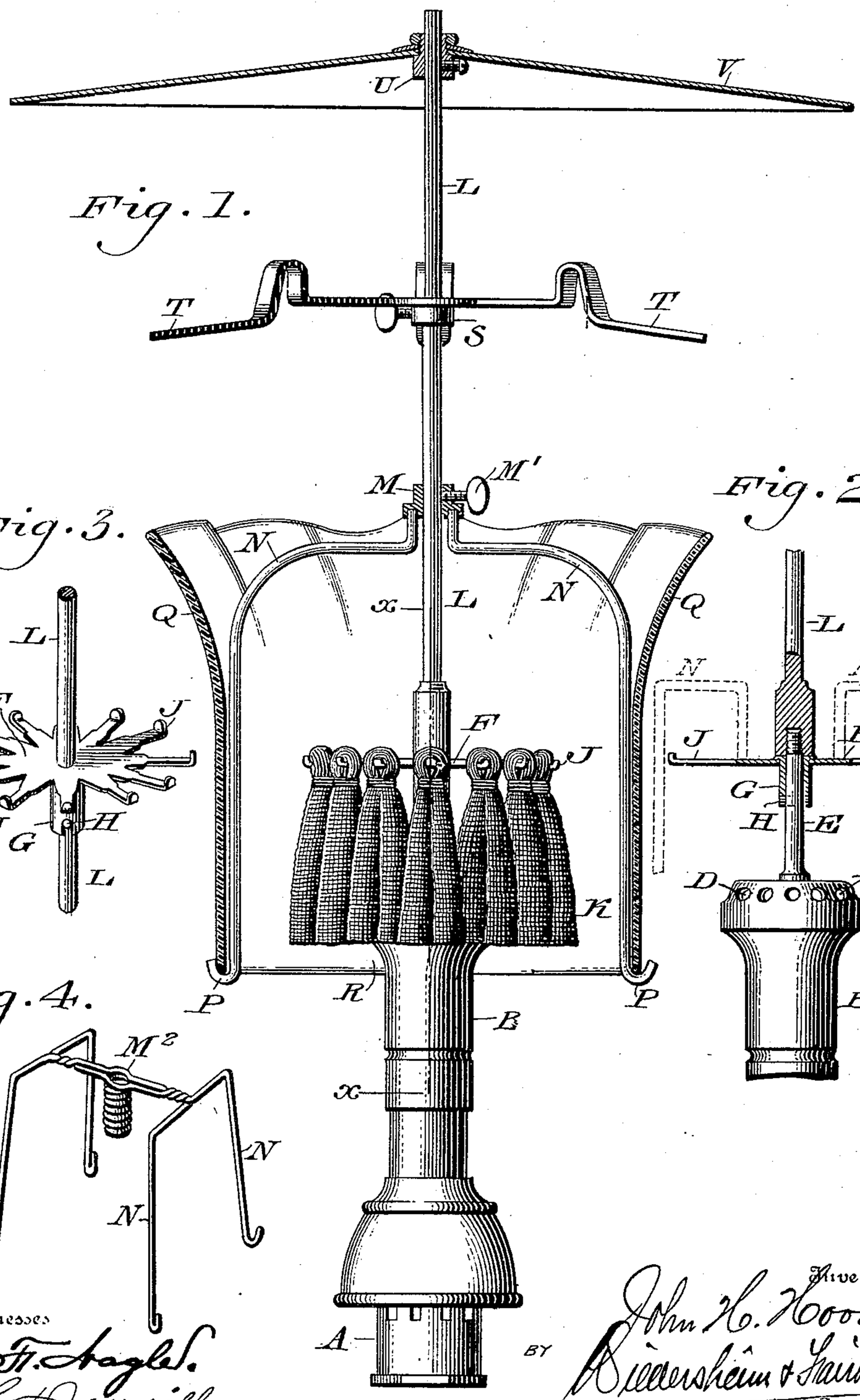

Fig. 2.

Fig. 3.

Fig. 4.

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JOHN H. HOOD, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO JOHN J. HOOD, OF SAME PLACE.

SUPPORT FOR GLOBES, &c., OF GAS-BURNERS.

SPECIFICATION forming part of Letters Patent No. 640,659, dated January 2, 1900.

Application filed February 23, 1899. Serial No. 706,441. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. HOOD, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Supports for the Globes, &c., of Gas-Burners, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a standard which rises above a gas-burner and is adapted to support a globe true and steady, provide an unobstructed passage around the lower portion of the burner, whereby casting of shadows is materially prevented, and present a large space for lighting purposes, avoiding smoking of said globe.

My invention further consists in the upward extension of said standard for the purpose of sustaining a globe and a shade and a smoke-canopy, it being apparent that by the employment of said rod said globe, shade, and canopy may be readily and quickly assembled and adjusted relatively to each other and to the flame according to requirements.

It further consists of novel details of construction, all as will be hereinafter fully set forth, and particularly pointed out in the claims.

Figure 1 represents a side elevation of a support for the globe, shade, and smoke-canopy of a gas-burner embodying my invention, the globe being shown in section. Fig. 2 represents a partial side elevation and partial vertical section of a detached portion. Fig. 3 represents a perspective view of a detached portion of a modification. Fig. 4 represents a perspective view of a modification of the globe-support.

Similar letters of reference indicate corresponding parts in the drawings.

Referring to the drawings, A designates the inlet-tube of the burner, the same being adapted to be screwed or otherwise secured to a gas-bracket of usual construction. The gas passes through the inlet-tube A into the mixing-tube B, and thence to the burner C, which latter is provided with openings D, said burner having a stem E supported thereon.

F designates a saddle, the same consisting of a sleeve G, adapted to fit on the stem E and rested upon the stop H, and the arms J, from which the depending incandescing tassels K are supported. The stop H is of the form of a pin, which projects from the rod or standard E and enters vertical slots on the lower portion of the sleeve G, thus sustaining said sleeve and connected parts and preventing rotation thereof on the standard.

L designates a rod adapted to be screwed or otherwise attached to the upper portion of the stem E or otherwise supported above the flame, said rod carrying the collar M, which is adjustably secured thereon by means of a set-screw M′ or other fastening device. N designates arms which depend from said collar and have at their lower portions the hooks or lips P, by means of which the globe Q may be effectively supported, said arms forming a skeleton sustainer for the globe without materially interfering with the passage of light through the latter, it being apparent that an open and unobstructed space R exists between the burner-tube B and the lower portion of the globe Q, whereupon it will be apparent that no shadows will be cast, the globe will be steadily supported, and the space R provides ready means for lighting the burner without smoking the globe.

S designates a collar adjustably attached to the rod L, said collar carrying the arms T, which are adapted to support thereon a shade of any suitable construction.

U designates a collar mounted on the rod L above the collar S and carrying the smoke-canopy V, said collar U being also adjustably secured on rod in any suitable manner.

I desire to lay especial emphasis upon the feature of the present invention wherein an open and unobstructed passage exists between the lower portion of the globe and the burner or burner-tube, whereby the casting of shadows is almost entirely avoided, attention being also called to the fact that by supporting the collars M, S, and U adjustably on the rod L in the manner described the same can be shifted according to requirements and all the parts can be simultaneously and readily removed for inspection or repairs or for other purposes.

It will be apparent by a reference to the dotted lines, Fig. 2, that the upper ends of the

supports N can be deflected upwardly and downwardly and have their extremities attached to the saddle F without departing from the spirit of my invention.

It will be apparent that other slight changes may be made by those skilled in the art which will come within the scope of my invention, and I do not therefore desire to be limited in every instance to the exact construction I have herein shown and described.

In Fig. 4 I show the arms N depending from a cross-bar, to which is secured the collar M^2, the latter being adapted to be fitted on the rod L and supported by a set-screw, such as M', or rest on the saddle F, or otherwise, as desired.

In Fig. 3 the rod L is continuous above and below the saddle F instead of being screwed to the stem E, as in Fig. 2, with, however, substantially the same results in either case.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A burner, a standard rising therefrom, a support on said standard above said burner, an incandescent device on said support and a skeleton globe-support which is free from said standard below, connected at top with said standard and surrounds said device.

2. A burner, a standard rising therefrom, a collar on said standard above said burner, globe-sustaining arms depending from said collar, and a support for an incandescent device mounted on said standard between said burner and collar, said arms being free from said standard below.

3. A burner, a standard rising therefrom, a support mounted on said standard, and an incandescent device pendent from said support, in combination with a globe-holder which is free from said standard below and adjustably connected at top with said standard.

4. A burner, in combination with a standard which rises therefrom, a support for an incandescent device mounted on said standard, a sleeve on said support mounted on said standard and provided with a vertically-extending slot, a pin on said standard, said slot receiving said pin, and globe-sustaining arms which are connected at top with said standard, and free from the latter below.

5. A burner, and a standard rising therefrom in combination with collars on said standard, successively one above the other, a support for an incandescent device, a globe-sustainer, a shade-holder and a smoke-canopy connected respectively with said collars, said globe-sustainer being free from said standard below.

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Witnesses:
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