

E. H. MOSEMAN.
ILLUMINATING MEANS FOR CHRISTMAS TREES.
APPLICATION FILED JUNE 22, 1917.

1,303,103.

Patented May 6, 1919.
2 SHEETS—SHEET 1.

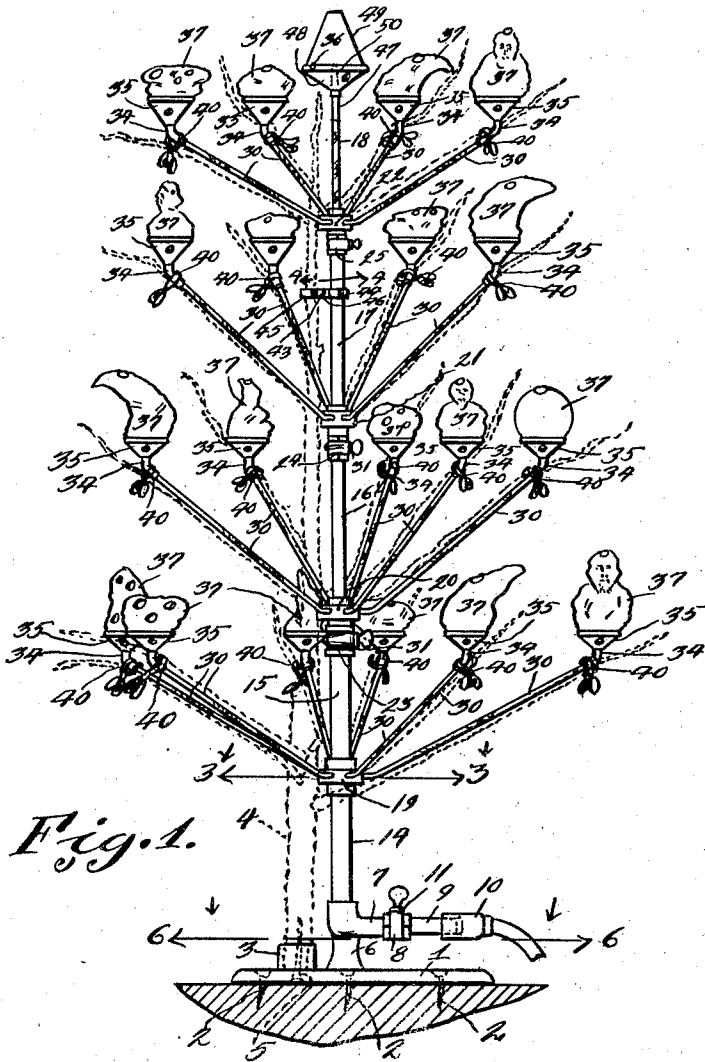


Fig. 1.

Fig. 4.

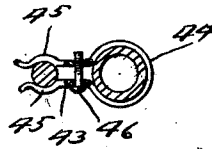
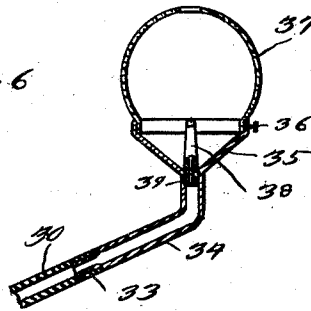
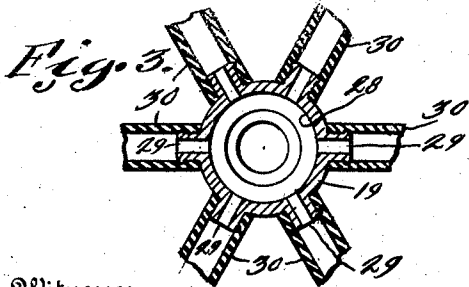


Fig. 5.



Witnesses

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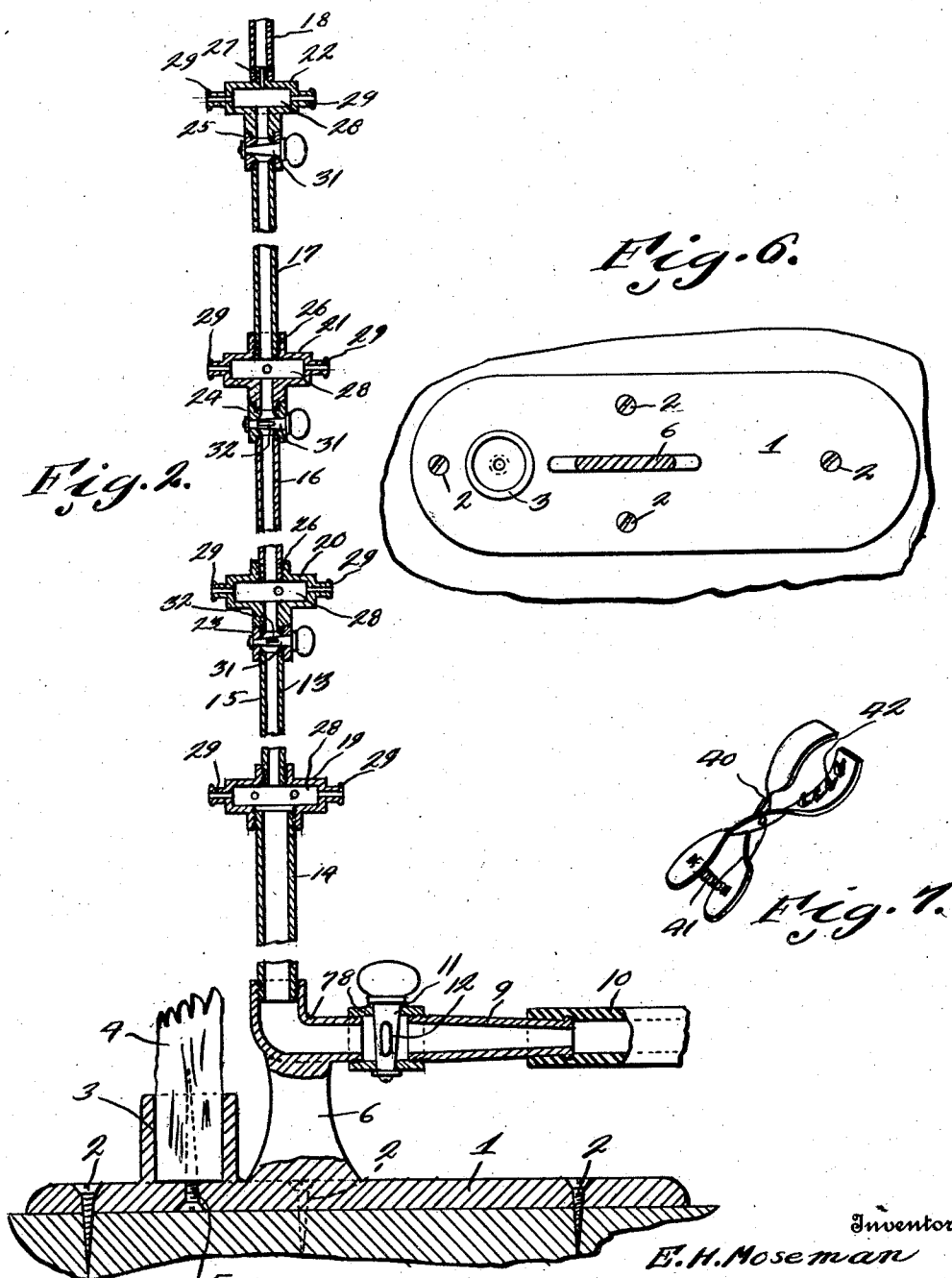
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UNITED STATES PATENT OFFICE.

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ILLUMINATING MEANS FOR CHRISTMAS TREES.

1,303,103.

Specification of Letters Patent.

Patented May 6, 1919.

Application filed June 22, 1917. Serial No. 176,348.

To all whom it may concern:

Be it known that I, ERNEST H. MOSEMAN, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented a new and useful Illuminating Means for Christmas Trees; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an improved illuminating device for Christmas trees, and one of the objects of the invention is to provide an illuminator stand constructed of tubular pipe sections, designed to have connection with a suitable source of gas supply, and provided with flexible tubular branches terminating in gas burners and suitable globes, for brilliantly illuminating a Christmas tree and the ornaments thereon.

A further object of the invention is the provision of a plurality of series of tubular branches, the central stem of the illuminator stand having suitable valves or stop-cocks, one for each series of branches, whereby the gas to each series may be controlled separately from the other series.

A further object of the invention is the provision of globes for the burners, each to resemble or be constructed in order to constitute an ornament for the tree as well as a shield for the light.

A further object of the invention is to provide suitable clamps for the flexible branches for connecting them to the branches of the tree.

In practical fields, the details of construction may necessitate alterations falling within the scope of what is claimed.

The invention comprises further features and combination of parts, as hereinafter set forth, shown in the drawings and claimed.

In the drawings:—

Figure 1 is a view in side elevation of the improved illuminator for Christmas trees, constructed in accordance with the invention.

Fig. 2 is a vertical sectional view through the central stem of the illuminator.

Fig. 3 is a sectional view on line 3—3 of Fig. 1.

Fig. 4 is a sectional view on line 4—4 of Fig. 1.

Fig. 5 is a vertical sectional view through the extremity of one of the flexible branches

of the illuminator, showing the burner and illustrating the globe.

Fig. 6 is a plan view of the base of the stand of the illuminator, showing the holder for the tree.

Fig. 7 is a detail view of the clamp for connecting the terminal portion of each flexible branch to a limb of the tree.

Referring more especially to the drawings, 1 designates a suitable base for the Christmas tree illuminator, which may be secured to the floor or the like by means of screws or other devices 2. Rising upwardly from the base 1, is a Christmas tree socket 3, to receive the lower end of the stem 4 of the Christmas tree, there being a screw 5 extending upwardly through the base 1 and into the stem 4, to hold the Christmas tree securely in the socket. The base 1 is designed to be cast, and formed integrally therewith is an upstanding plate 6. Also cast to the elbow 7 is a valve casing 8, into the other end of which a nipple 9 is threaded. This nipple 9 may be connected to any suitable source of gas supply, not shown, by any suitable flexible tube connection 10. The casing 8 is provided with a conventional form of tapering plug valve 11, provided with a transverse opening 12, adapted to register with the passages of the elbow 7 and the nipple 9. The Christmas tree illuminator has a central tubular stem 13, which comprises the tubular sections 14, 15, 16, 17 and 18, and the connecting casings 19, 20, 21 and 22, and the valve casings 23, 24 and 25. The casing 19 connects the two sections 14 and 15, while the lower ends of the sections 16 and 17 are threaded at 26 into the casings 20 and 21, respectively. The lower ends of the casings 20, 21 and 22 are threaded into the valve casings 23, 24 and 25, respectively, the upper ends of the tubular sections 15, 16 and 17 being threaded into the lower ends of the valve casings 23, 24 and 25, respectively. The tubular section 18 of the stem of the illuminator is constructed from a flexible tube, and its lower end is fitted over the nipple 27 of the casing 22. The casings 19, 20, 21 and 22 are provided with chambers 28, and extending radially from said casings are nipples 29, to which the flexible tubular branches 30 of the illuminator are fitted, whereby the gas that collects in the chambers of said casings may pass through the flexible branches to the burners. Each of the casings 23, 24, and 25

is provided with a conventional form of plug gas cock or valve 31 provided with a transverse opening 32, adapted to register with the passage through the stem of the illuminator. By these valves, the gas to each series of tubular branches may be controlled. The outer end of each tubular branch 30 is connected to an extension nipple 33 of an elbow 34, which terminates in a conical flange 35 having screws 36 to hold the globes 37 to the flanges. Each globe may be of a different shape or configuration, in order to act as an ornament, as well as a shield for the light from the burner 38, which is threaded at 39 in the outer upturned end of the elbow 34. In using the illuminator, the tubular branches 30 (which are flexible) are connected to the limbs of the Christmas tree, by means of the clamps 40, in order to hold the flexible tubular branches adjacent said limb, in the manner shown in Fig. 1. The handles of the clamps 40 have springs 41 interposed therebetween to cause the clamping jaws to hold the flexible tubular branches to the limbs of the tree. One of the clamping jaws of each clamp is provided with struck up spurs 42, to pierce or embed into the limb of the tree, to prevent slipping of the clamp. Suitable clamping device 43, constructed from a single strip of spring sheet metal is provided. The spring sheet metal of the device 43 is bent to afford a substantially circular portion 44, which engages about the stem of the illuminator, and the opposing arms of the device 40 have curved parts 45, to clamp diametrically opposite portions of the stem of the Christmas tree, there being a screw 46 to draw the opposing arms of the device 43 toward each other. The vertical flexible branch section

18, at its upper end, connects to a short tube 47 provided with a flaring flange 48, which supports a top globe 49, and fixed or extended into the tube 47 is a burner 50. By the construction of a device of this kind, a Christmas tree may be illuminated by virtue of gas. It is the aim to have the burners reasonably small, and the globes comparatively large, thereby avoiding intense heat in order to prevent fire. However, the globes are not to be so large, as to be more prominent than the ornaments of the tree, and furthermore, the globes may be of different colors.

The invention having been set forth, what is claimed as new and useful is:—

In an illuminator for Christmas trees, the combination with a perpendicular standard, of a base therefor, said standard comprising a plurality of elongated sections gradually diminishing in diameters from the base to the top of the standard, reducing couplings connecting the adjacent ends of said sections, whereby they are supported axially super-imposed, said couplings having chambers and provided with radially protruding reduced nipples having beaded ends, and flexible tubes connected to the beaded nipples and having their outer ends terminating in burners, and means for connecting said standard to the central stem of the tree.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ERNEST H. MOSEMAN.

Witnesses:

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FRANK M. MOSEMAN.