May 15, 1923. 1,455,592

W. F. LENT

PORTABLE LAMP

Filed March 24, 1921

Fig. 1.

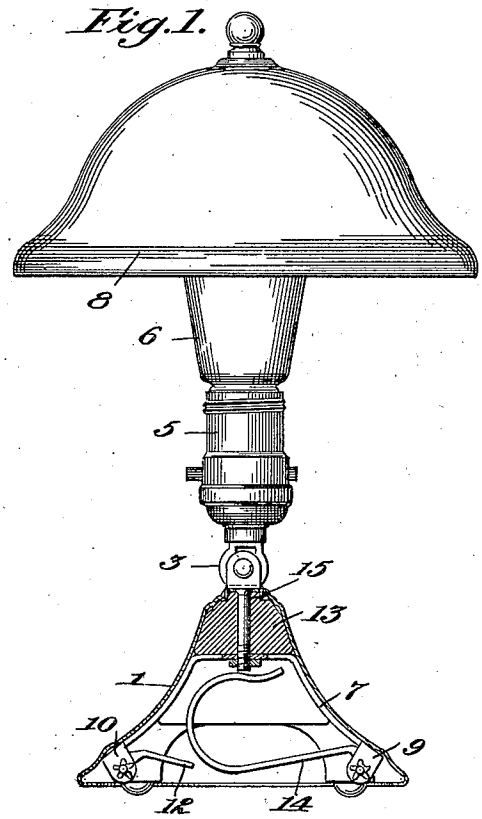


Fig. 3.

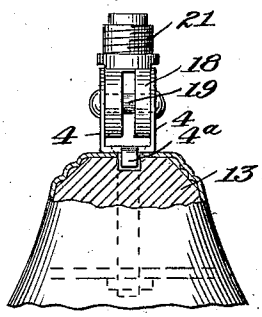
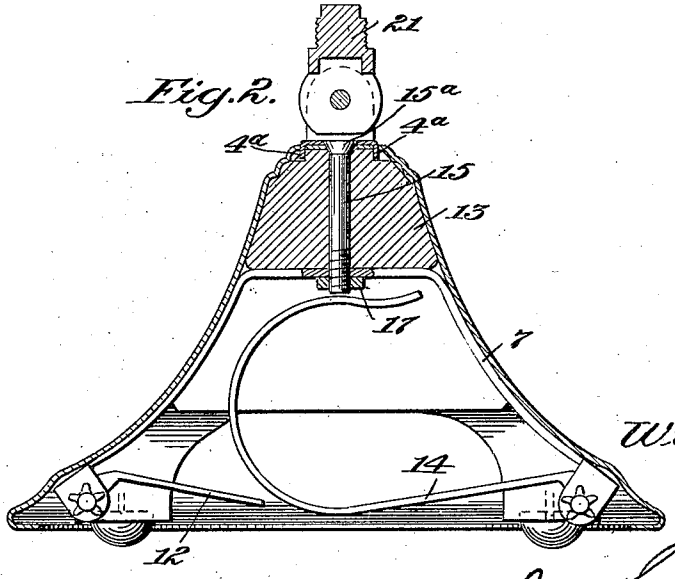


Fig. 2.



Inventor:
Wilmar F. Lent,

By, C. A. Mason Atty.

Patented May 15, 1923. 1,455,592

UNITED STATES PATENT OFFICE.

WILMAR F. LENT, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO THE GREIST MANUFACTURING COMPANY, OF NEW HAVEN, CONNECTICUT, A CORPORATION OF CONNECTICUT.

PORTABLE LAMP.

Application filed March 24, 1921. Serial No. 455,336.

To all whom it may concern:

Be it known that I, WILMAR F. LENT, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented a certain new and useful Improvement in Portable Lamps, of which the following is a full, clear, and exact description.

This invention relates to improvements in portable lamps, and in particular to a certain novel construction of the lamp base embodying an improved means for coupling together certain parts.

The improvements can be best understood from the following detailed description, in connection with the accompanying drawings illustrating a preferred construction, and in which,

Figure 1 represents a lamp, with the base in vertical section;

Figure 2 is an enlarged sectional view of the base; and

Figure 3 is a detail view, showing in side elevation the top portion of the base and the pivotal connection for the lamp.

The lamp comprises a base portion 1, pivot 3, which connects the base with the switch socket 5, which receives the lamp bulb 6, the latter supporting a shade 8. The base 1 is preferably made of sheet metal and may be of conical form as shown. The base is hollow, and a strip of metal 7, which may be provided at or near its ends with angularly bent ears 9, 10, is located within the base. The ears 9 and 10 are for the purpose of supporting lamp-suspending devices 12 and 14 adapted to be folded out, when desired, in suitable position, for sustaining the lamp from a nail or screw projecting from a vertical wall, or from a horizontal rail, at will. These lamp suspending devices form no part of the present invention but are merely described for a better understanding of the improvements which are claimed herein.

The metal strip 7 will be hereinafter referred to as a "holder" inasmuch as it performs the function of holding or supporting the lamp-sustaining members 12 and 14. The upper portion of the sheet metal shell constituting the base 1 is occupied by a weight 13 which is shaped to exactly fit within the base, and is provided with a central vertical perforation to receive a long screw 15 having a tapering head 15^a, and its opposite end threaded. This screw extends through a perforation in a horizontal portion of the holder 7 and receives a clamping nut 17, which serves to fasten together the several parts. The pivot 3 for connecting the upper portion of the lamp with the base is composed of a lower member preferably made of sheet metal, and having upstanding spaced lugs. The lugs 4, 4, receive between them a bifurcated member 18 having a threaded shank 21, and being perforated to aline with perforations in the lugs 4, 4, to receive a pivot bolt 19, which holds these parts together with capacity for swinging movement in a vertical plane. The blank from which the lugs 4, 4, are formed is provided, in its process of manufacture, with two opposite, laterally extending lugs 4^a, 4^a, located preferably at right angles to the upstanding lugs 4, 4, and bent downwardly to enter recesses in the upper portion of the weight 13, as clearly shown in Figures 2 and 3 of the drawing. The lugs 4^a, 4^a, also pass through slits or openings in the upper part of the base 1, and the screw 15 passes through central apertures in the base of the blank from which the lugs are formed, in the top portion of the sheet metal lamp base 1, the weight 13, and the holder 7, whereby when the nut 17 is applied to the threaded end of the bolt and turned thereon these several parts will be firmly clamped together in the proper positions which they should occupy in the finished lamp.

It will be seen that by the construction described a very simple arrangement is provided for holding together, by a single member, the lower portion of the lamp-pivoting element, the lamp base, the weight, and the holder for the lamp sustaining means. Engagement of the lugs 4^a, 4^a with walls of the recesses in the weight prevents rotation of the pivot 3 relative to the base and weight, which is important with the construction shown in order to maintain the two suspending hooks 12 and 14 in the plane of movement of the lamp on said pivot, so that when the lamp is suspended from either hook its plane of movement will be correct relative to the hook.

Having described the invention what is claimed is:

1. In a device of the class described, the combination with a lamp base, of a weight located in the upper portion of said base, a lamp pivoting member on said base, means

on said lamp pivoting member engaging the base and weight to prevent relative rotation of said parts, and a single fastening member for securing the several parts together.

2. In a device of the class described, the combination with a hollow sheet metal base, a weight in the upper portion thereof, a lamp pivoting member comprising upstanding lugs to receive a co-operating pivoting member, means projecting from the first mentioned lamp pivoting member and engaging said base and weight, and a screw passing through the lamp pivoting member base and weight provided with clamping means for securing the several parts together.

3. In a device of the class described, the combination with a hollow lamp base, a weight located in the upper portion of said base, a lamp pivoting member comprising spaced upwardly extending lugs, and spaced downwardly extending lugs, the latter passing through apertures in said base and seated in recesses in said weight, and a clamping screw extending through the lamp pivoting member, base and weight, and arranged to fasten said parts together.

4. In a device of the class described, the combination with a hollow sheet metal base, provided with spaced apertures at its top, a weight within said base and provided with recesses in alinement with said apertures, a lamp-pivoting member sustained upon said base and having downwardly extending lugs entering said apertures and said recesses, a holder within the base and provided with a portion fitting against the lower portion of said weight, and a clamping screw extending through the pivoting member, base, weight and holder and having a nut applied to its threaded end for clamping said parts together.

In testimony whereof I have hereunto set my hand this 17th day of March A. D. 1921.

WILMAR F. LENT.