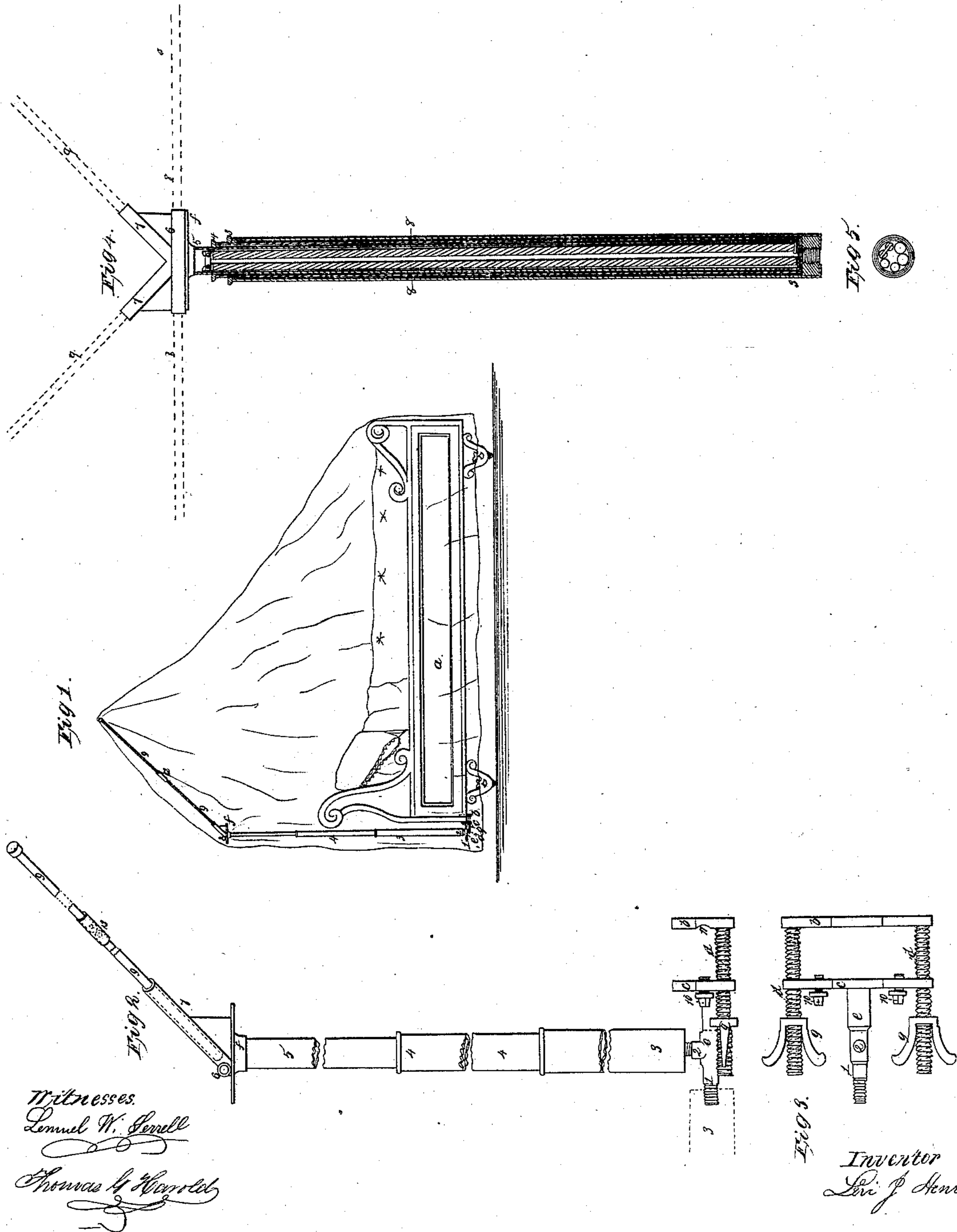


L. J. Henry,
Mosquito Canopy.

N^o 15,592.

Patented Aug. 19, 1856.



Witnesses
Lemuel W. Gerrell
Thomas H. Harold

Inventor
L. J. Henry

UNITED STATES PATENT OFFICE.

LEVI J. HENRY, OF NEW YORK, N. Y., ASSIGNOR TO BENJAMIN J. HART.

MOSQUITO-CANOPY.

Specification of Letters Patent No. 15,592, dated August 19, 1856.

To all whom it may concern:

Be it known that I, LEVI J. HENRY, of the city, county, and State of New York, have invented, made, and applied to use a new and useful Portable Mosquito-Canopy; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making part of this specification, wherein—

Figure 1, is a side elevation of a bedstead as with my canopy applied thereto; Fig. 2 is a side view of the canopy frame in larger size; Fig. 3 is a plan of the clamp to attach said canopy frame to the bedstead, and Fig. 4 is a section of the canopy frame shut up into a compact and portable form.

Similar marks of reference indicate the same parts.

Several characters of mosquito nettings have heretofore been devised for covering bedsteads but almost, if not all of them, are objectionable on account of the room they occupy in transportation, because travelers are the ones which generally need mosquito nettings the most, and unless they are in a light and compact form are not available for such persons; besides this almost all other mosquito frames that have been invented are attached to the bedstead by means of screw eyes holes or other appliances to the bedstead which disfigure the same, and that to such an extent that permission is not always granted to travelers to attach their mosquito netting.

The nature of my invention consists in providing a frame of such a construction that it can be folded up and packed into a very small compass for transportation, or be spread with ease and attached almost instantaneously to any character of bedstead and that without the least damage to the bedstead; and then a netting is to be thrown over said canopy frame and the bedstead, the said netting being made in any usual or convenient manner.

In the drawing *a*, is a bedstead of any usual form, but shown herein as an open French bedstead, and the canopy frame is attached to the underside or edge of the headboard.

b is a fixed jaw permanently attached on the ends of screws *d d* on which screws a moving jaw *c*, is fitted, and *g, g*, are nuts by which to clamp the moving jaw *c* to the head of the bedstead; and in cases where

said clamp is applied beneath the head of the bedstead as shown in Fig. 1, the screws *d*, will be in a horizontal position and the canopy frame will have to be attached thereto, at right angles to the screws *d*, the same being done by screwing the lower joint (3) onto the vertical screw stud 2, projecting from the side of the bar *e*; but if the aforesaid clamp can be attached more conveniently to the rail of the headboard so that the screws *d, d*, stand vertically, then the canopy frame (3) is to be screwed onto the screw 1, at the end of the bar *e*; and in cases where this clamp is to be applied to an iron bedstead the screws *g, g*, are to be set up tight by hand and then the small screws 10, 10 are to be set up by a small wrench that accompanies the apparatus, and this is particularly necessary in attaching the clamp to the round rails of iron bedsteads, and in this case said round rail occupies the small curved groove 11, see Fig. 2.

The canopy frame itself is formed similar to a telescope tube so as to be shortened or lengthened at pleasure, and the larger joint 3, is constructed so as to screw onto the rod *e*, as before mentioned.

4, is the middle and 5 the upper and inner joint of canopy tube, on the end of which a cap *f* is fitted, the same being either screwed or slipped on; and this cap *f* is provided with a cross pipe 6, receiving the horizontal rod 8, that is to stand parallel or nearly so with the head board; and 7, 7 are inclined pipes attached to the upper side of the cap *f*, receiving the inclined rods or stretchers 9, 9, that extend diagonally toward the sides of the bedstead at the same time that they rise. These rods 8 and 9, 9 are each jointed at or near the center so that they will fold together in one direction but the ends of the joints abutting together will retain the rods out straight in the opposite direction. The rod 8, passes through and is sustained by the tube 6; and the rods 9, 9, in the tubes 7, 7 are prevented from folding together accidentally, by slide tubes 12, over the joints.

The canopy frame being thus applied to a bedstead and adjusted to the desired height is to receive a netting, gauze, lace, or similar canopy over the same to protect the occupants of the bed; and when said canopy is to be taken down for transportation or otherwise, the covering is to be removed and folded up, the tubes (3, 4, 5) unscrewed

from the bar *e*, and shut together. The cap *f* is removed and the bars or rods 8 and 9, 9, removed therefrom, folded together and inserted into the tube 5, as seen in Fig. 5; 5 and the clamp being removed from the bedstead leaves the whole canopy ready for easy and convenient transportation.

I do not claim a telescope tube, neither do I claim a screw clamp as these parts are 10 all well known, but

What I claim and desire to secure by Letters Patent is—

1. The construction of the clamp (*b*, *c*,) with the rod *e*, and screw studs 1, and 2, by 15 which the canopy frame may always be made to stand vertically whether the clamp

itself stand vertically or horizontally, as specified.

2. I also claim the cap *f* fitted to receive the bars 8 and 9, 9, for sustaining the 20 canopy or covering when combined with the sliding tubes 3, 4, 5, for regulating the height of said canopy and also receiving the bars 8 and 9, 9, when packed away for transportation substantially as specified. 25

In witness whereof have I hereunto set my signature this eighteenth day of July 1856.

LEVI J. HENRY.

Witnesses:

LEMUEL W. SERRELL,
THOMAS G. HAROLD.