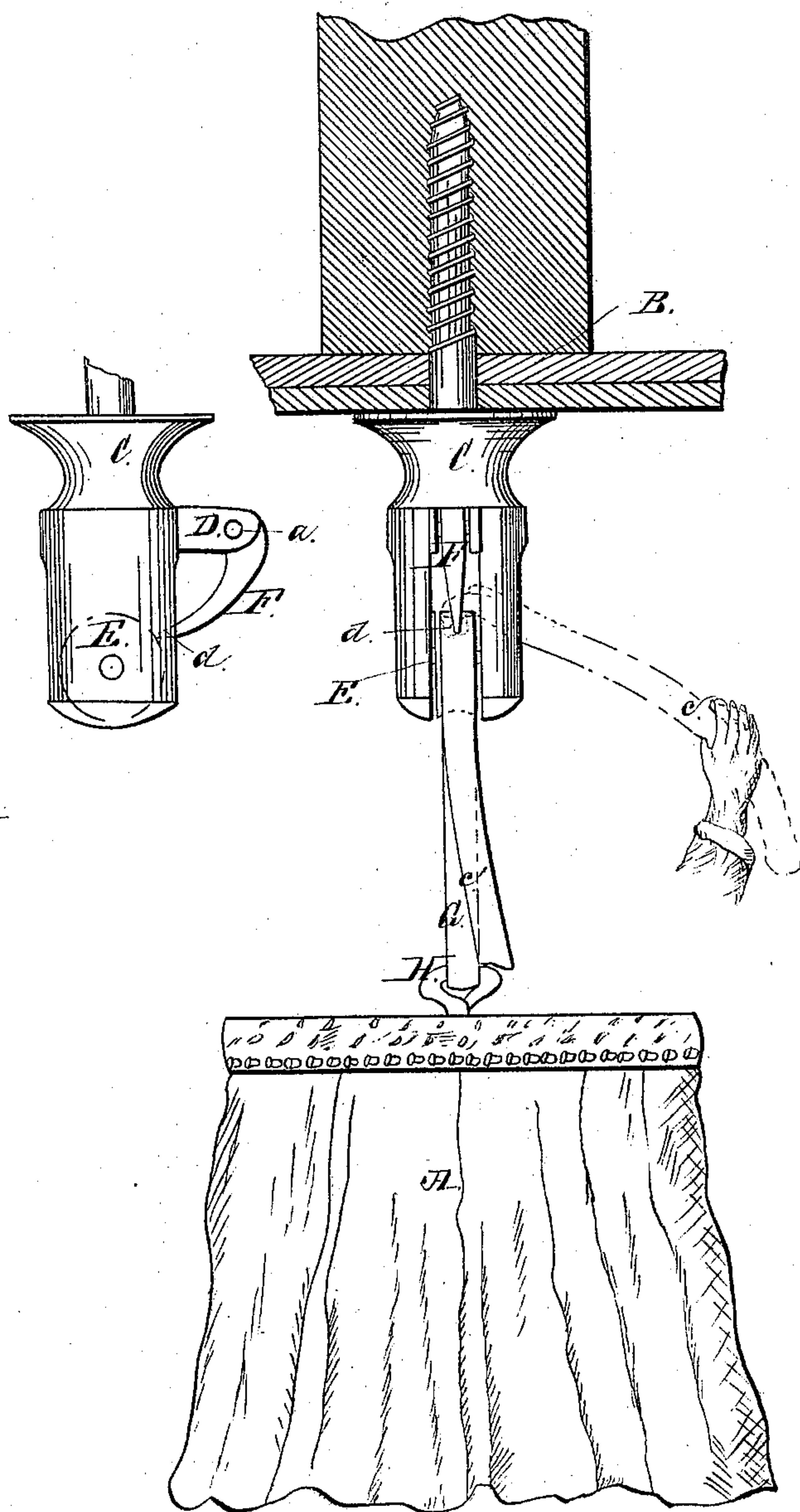


F. C. Payne,
Mosquito Canopy.
N^o 21,019. Patented July 27, 1858.



UNITED STATES PATENT OFFICE.

F. C. PAYNE, OF HEBRON, CONNECTICUT.

MEANS OF ADJUSTING MOSQUITO-BARS.

Specification of Letters Patent No. 21,019, dated July 27, 1858.

To all whom it may concern:

Be it known that I, FREDERICK C. PAYNE of Hebron, county of Tolland, and State of Connecticut, have invented certain new and
5 useful Improvements in Devices for Adjusting Mosquito-Awnings, &c.; and I do hereby declare that the same is described and represented in the following specification and drawings, and to enable others skilled
10 in the art to make and use the same I will proceed to describe the construction and operation, referring to the drawings, in which the same letters indicate like parts in each of the figures.

15 The nature of this improvement consists in attaching a slotted projection to the body of the sheave and securing therein a weighted arm, so that it will form what may be called a cramp holder to whatever passes
20 between the lower end thereof up over the surface of the sheave.

In the accompanying drawings A, is the awning or netting.

25 B, represents the ceiling into which it is screwed at pleasure.

30 C, is a sheave arrangement (as ordinarily constructed for hanging lamps, &c., with a balance weight on the opposite end of the chain or cord,) having a screw in the body thereof, for the purpose of securing it into the overhead ceiling.

D, is a slotted projection directly over the sheave E.

35 F, is a hanging weighted arm, secured in the slotted projection by a pin, a, the over-

balancing weight of which causes the lower end *d* to rest against the sheave E.

G is a cord or band made fast to the ring or staple H, into the top of the awning or netting frame, thence up over the sheave, 40 and down between it and the hanging arm, such a distance as shall make it convenient for a person to take hold of and operate with the hand.

By pulling the end *c*, the awning is 45 raised the desired height and held in that position by the arm F, and by pulling the end off to the right or left as shown at *c* it may be dropped and held, by bringing it back again over the sheave. 50

The advantage derived by this improvement, is the ready means afforded to travelers, of a simple, cheap and portable article, that may without trouble or inconvenience, be packed into a trunk ready for use in warm 55 weather or when troubled with insects, and can be put up and taken down with but very little trouble.

I do not claim the sheave arrangement as used for hanging lamps &c., but 60

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

The application of the slotted projection D, the hanging weighted arm F, in the manner and for the purpose substantially as 65 herein set forth and described.

F. C. PAYNE, [L. s.]

Witnesses:

RALPH GILBERT,
CHARLES POST.