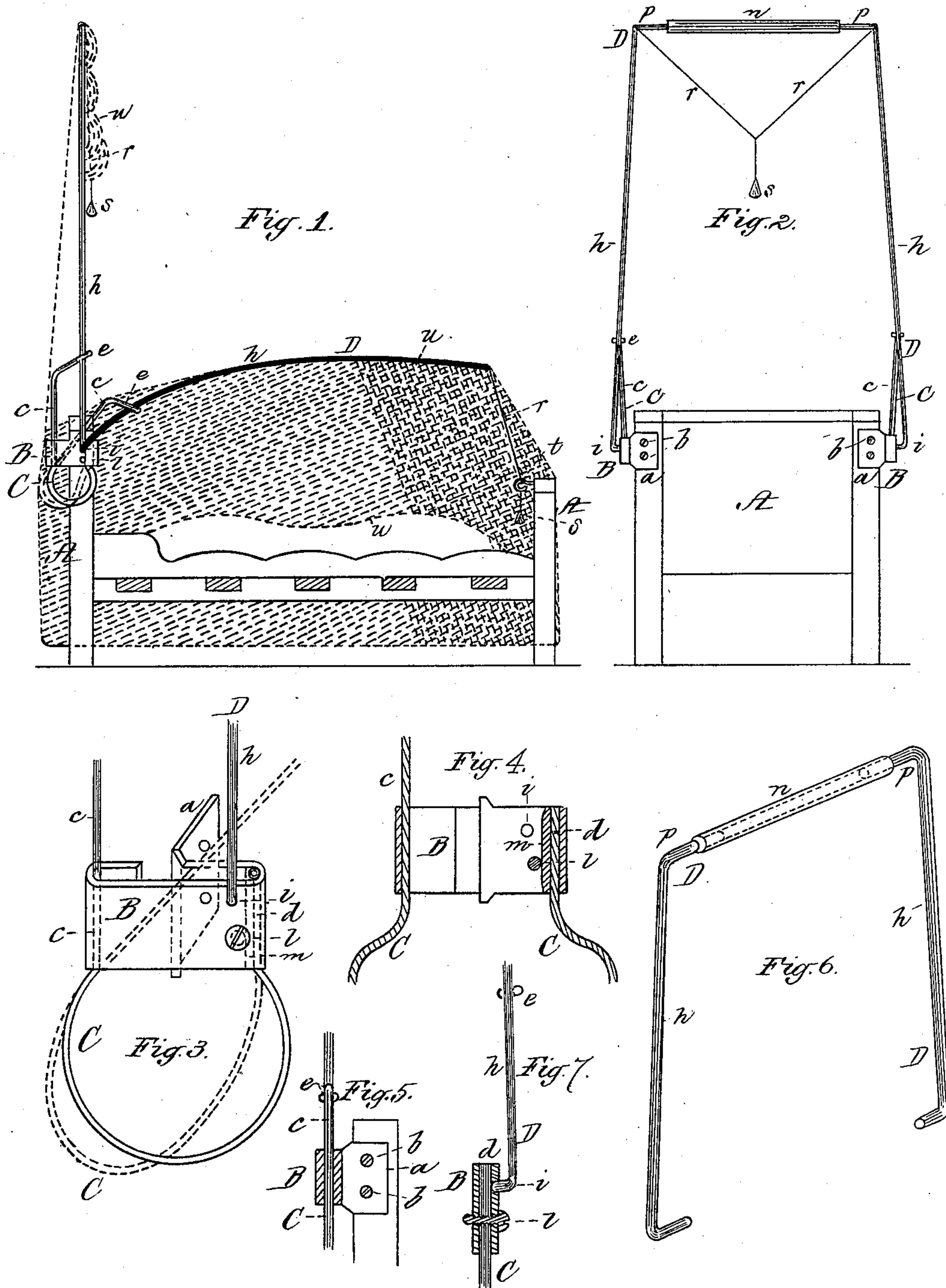


(No Model.)

J. L. CRUDUP.
MOSQUITO SCREEN.

No. 594,171.

Patented Nov. 23, 1897.



Witnesses,
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UNITED STATES PATENT OFFICE.

JOSIAH L. CRUDUP, OF TAMPA, FLORIDA.

MOSQUITO-SCREEN.

SPECIFICATION forming part of Letters Patent No. 594,171, dated November 23, 1897.

Application filed February 2, 1897. Serial No. 621,725. (No model.)

To all whom it may concern:

Be it known that I, JOSIAH L. CRUDUP, of Tampa, Hillsborough county, Florida, have made certain Improvements in Mosquito-Canopies, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 represents a bedstead with my improved canopy swung down to cover the same and also when swung up in a position not required for use. Fig. 2 is a rear elevation with the frame swung up. Fig. 3 represents, enlarged, a spring of peculiar form, upon the resiliency of which the action of my canopy depends; Fig. 4, a longitudinal vertical section through the holder with a portion of the spring therein. Fig. 5 represents the bracket by which the holder is attached to the rear of the bedstead. Fig. 6 represents the frame detached with a tube for uniting its upper ends; Fig. 7, a transverse section through the holder with the lower end of one branch of the frame pivoted thereto.

My invention has particular reference to that class of mosquito-canopies adapted for application to beds and other objects whether the frames of said canopies be secured directly to the same or to the wall or other contiguous support; and this invention consists in the coördination and arrangement of the three following instrumentalities—viz., a bow-shaped spring, a frame for the canopy, and a common holder for both—the construction and operation of the various parts being hereinafter described and claimed.

In the said drawings, Fig. 1, A represents a bedstead, at the outer sides of the head-posts of which are located a pair of holders B B of the form seen in Fig. 3, each holder having a bracket *a* integral with and projecting from its inner side, by screws *b* passing through which, and it is fastened to the rear of the contiguous post, Figs. 2, 3, and 5.

C C are two springs formed of circular rod or wire of suitable size to insure the resiliency required for the purpose and position to which it is to be applied. Each spring C is substantially of the form seen, being of bow shape between its terminals *c d*, Figs. 3 and 4, one, *c*, of which after passing through the holder B projects above the same at one side and is

provided with an eye *e* for the passage of one branch *h* of the canopy-frame D, which extends down and is pivoted to the holder at *i*, while the other terminal *d* of the spring preferably passes through at the other side of the same without projecting above it. Through the forward end of each holder B passes a screw *l*, which is intended as a clamp for preventing the separation of the sides of the holder at this point, which might otherwise occur by the movement of the spring C therein, and for preventing the undue play of the terminal *d* a wedge *m* is located between it and said screw *l*. (See Figs. 3 and 4.)

The two opposite branches *h h* of the frame D are united by a tube *n*, which is fitted over and slides upon the short horizontal portions *p*, projecting from their ends, which construction permits of the ready adjustment of the horizontal portion of the frame to supports of different widths, and also enables the parts of the frame to be separated and be more economically packed for transportation.

r is a cord the ends of which are secured to the frame at the junction of the tops of its branches *h h* with their connecting horizontal portion. The bight of this cord and an extension and tassel *s*, which may be attached thereto, hang down from the center of the frame within convenient reach of the hand and enable the frame to be depressed, and the same is held with its netting over the bedstead by passing the cord under a hook *t* or other device secured to the foot-board.

When the frame is depressed and secured in its lowered position, the pair of springs are made to yield and assume the position seen dotted in Fig. 3. The depression of the frame increases the tension of the springs, and their resiliency, when the frame is liberated, returns it to its upright normal position (see Figs. 1 and 2) with the netting *u* draped and pendent therefrom.

My herein-described invention may be applied directly to a wall contiguous to a bed, dining-room table, or to supports located in the ground or elsewhere, and affords a reliable protection from flies, mosquitos, &c., in many situations.

I claim—

As an improvement in canopy-frames and their attachments a holder B and a bow-shaped

spring C having two straight portions located
within said holder, the bow of the spring be-
ing below the same, and the terminal *c* of the
spring having an eye *e*, in combination and
5 connected with a frame D having its lower
terminal pivoted to the outside of the holder
and embraced by said eye, and a means of re-
taining the frame in the position it would oc-

cupy when required for use, substantially as
described. 10

Witness my hand this 29th day of January,
1897.

JOSIAH L. CRUDUP.

In presence of—

N. W. STEARNS,

J. H. FESSENDEN.