D. F. AGNEW.

Mosquito-Bar Frame.

No. 229,071. Patented June 22, 1880.

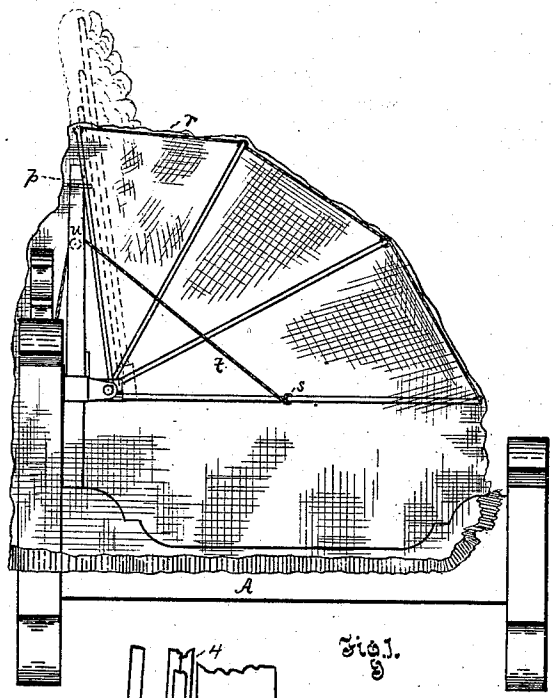


Fig. 1.

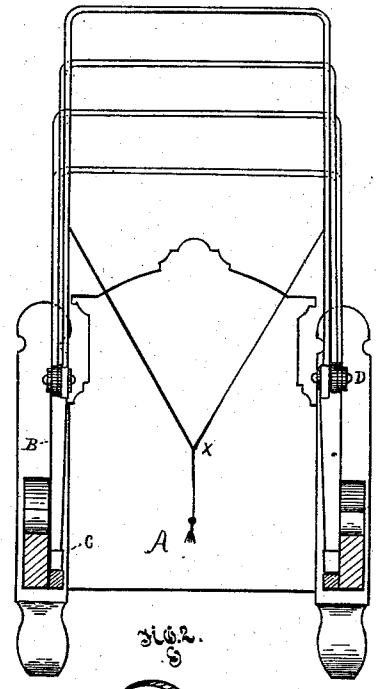


Fig. 2.

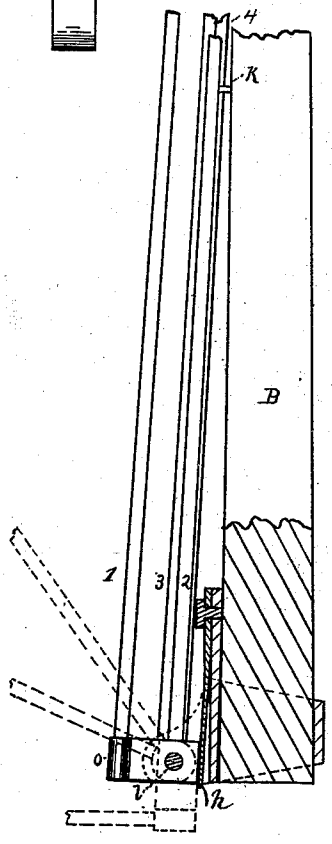


Fig. 3.

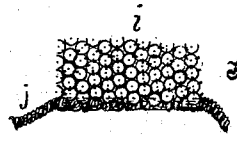


Fig. 6.

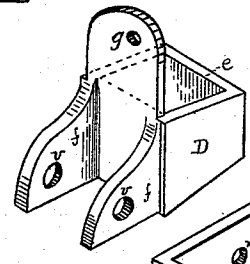


Fig. 7.

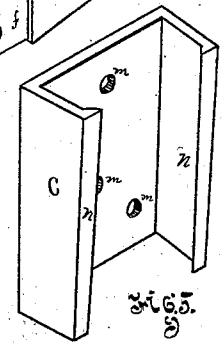


Fig. 5.

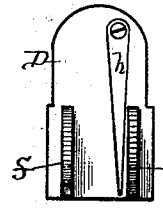


Fig. 4.

Witnesses.

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UNITED STATES PATENT OFFICE.

DAVID F. AGNEW, OF ALLEGHENY, PENNSYLVANIA.

MOSQUITO-BAR FRAME.

SPECIFICATION forming part of Letters Patent No. 229,071, dated June 22, 1880.

Application filed November 20, 1879.

To all whom it may concern:

Be it known that I, DAVID F. AGNEW, of Allegheny, in the county of Allegheny and State of Pensylvania, have invented a new and useful Improvement in Mosquito-Bar Frames; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to an improvement in mosquito-bar frames; and it consists in the novel combination and arrangement of parts, as will be hereinafter fully described and claimed.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the accompanying drawings, which form part of my specification, Figure 1 is a side elevation of a bedstead provided with my improved detachable mosquito-bar frame, representing the bows of the frame lowered with the mosquito bar or netting stretched over it. Fig. 2 is a transverse section of the bedstead, representing the bows of the frame in an elevated position, with the mosquito bar or netting removed. Fig. 3 is an enlarged detailed view of the post, hinge, and bows. Fig. 4 is a front view of the detachable hinge, representing the bows removed therefrom. Fig. 5 is a perspective view of the detachable socket for the reception of the lower end of the detachable posts. Fig. 6 represents a section of the netting with the flexible metallic cord or chain hemmed therein. Fig. 7 is a perspective view of the frame or body of the hinge.

In the accompanying drawings, A represents the bedstead, which is of the ordinary construction.

To the head-board or side rails of the bedstead A are secured the metallic sockets C for the reception of the detachable posts B. The socket C is secured in position by means of screws, which pass through the openings *m*, and the post is supported and held in position by means of the flanges *n*, which form a tapering cavity corresponding to the taper of the lower portion of the post B.

The post B is made tapering from each end toward the center, so that the lower portion will wedge firmly in the sockets C, and the hinges D become firmly wedged upon the upper portion, over which pass the hinges D through the sockets *e*, which taper from the bottom edge toward the top edge.

The body of the hinge is provided with a spring, *h*, as shown in Fig. 4, which is held in position by means of a screw, which enters the opening *g*, shown in Fig. 7.

The lugs of the body of the hinge D are provided with openings *v* for the reception of the pintle *l*, upon which are pivoted the bows 1 2 3 4, between which are placed metallic washers.

The ends of the bow 1 are secured in a rectangular plate, *o*, which is pivoted on the pintle *l*, with its inner end resting against the lower end of the spring *h*, as seen in Fig. 3, when the bows are elevated as represented in Figs. 2 and 3, the spring acting against the under side of the rectangular piece *o*, when the bows are lowered, as shown in Fig. 1. By this arrangement of securing the ends of the bows 1 in the outer end of the rectangular piece *o*, and the inner end of it resting against the spring *h*, the bows are held in a fixed position, and by the spring acting against the under edge of the rectangular piece *o* the bow 1 is held in position when it and the bows 2 and 3 are in the position shown in Fig. 1. The bow 4 is secured in an elevated position by means of cords *p* passing around the bow and the upper end of the posts B; but other instrumentality may be employed for securing the bow 4 in an elevated position, as indicated at K in Fig. 3, in which a metallic loop or staple is used.

To the bow 4 is attached at each side a cord, *r*, to which are attached the bows 1, 2, and 3, for the purpose of holding the several bows in proper position with relation to each other, which is clearly shown in Fig. 1.

To the bow 1, at *s*, are attached cords *t*, which pass over pulleys *u* in the posts B, and are united at *x* for the purpose of forming draw-cords for elevating the bows, as shown in Fig. 2.

The bows may be lowered into the position represented in Fig. 1 by simply pulling on the bow 1.

The netting *i* is constructed of the usual material and in the form represented in Fig. 1. In the lower edges or border of the netting is hemmed a flexible chain, *j*, constructed of wire; but flexible metallic cording may be employed.

The object of having the flexible chain or

cording in the border of the netting is for the purpose of weighting it down and holding it in juxtaposition with relation to the bedstead A and the bedding placed upon it.

The construction and arrangement of the several parts constituting my improvement in detachable frames for mosquito-bars and the operation thereof will readily be understood from the foregoing description and by reference to the accompanying drawings.

The frame and its several parts being readily detachable, they can be transported, and in case of breakage the parts can be duplicated.

Having thus described the nature, construction, and operation of my improvement, what I claim as of my invention, and desire to secure by Letters Patent, is—

In a mosquito-bar frame, the combination of the sockets C, posts B, hinges D, consisting of the sockets *c*, perforated lugs *f f*, spring *h*, and pintle *l*, fixed bow 4, pivoted bows 2 3, and bow 1, provided with the pivoted rectangular piece *o*, the several parts arranged relatively to each other substantially in the manner herein shown and described.

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Witnesses:
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