

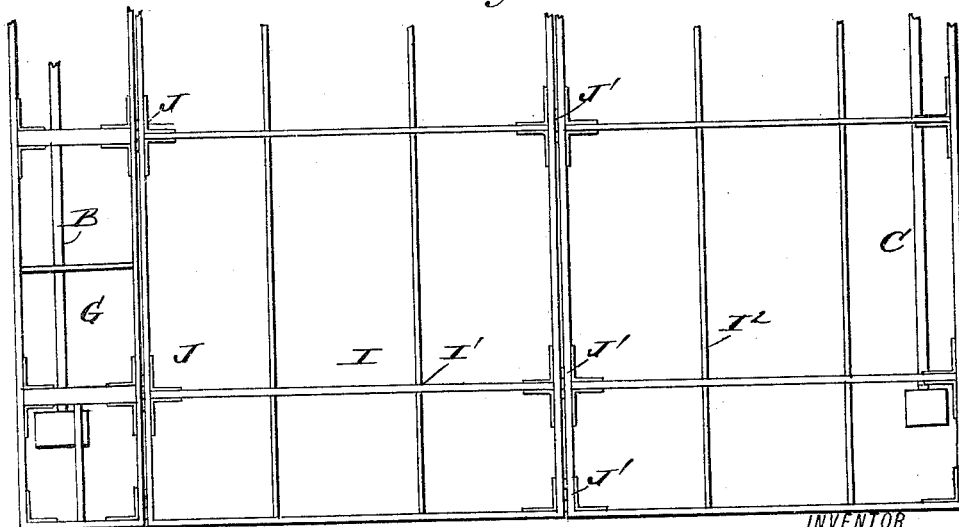
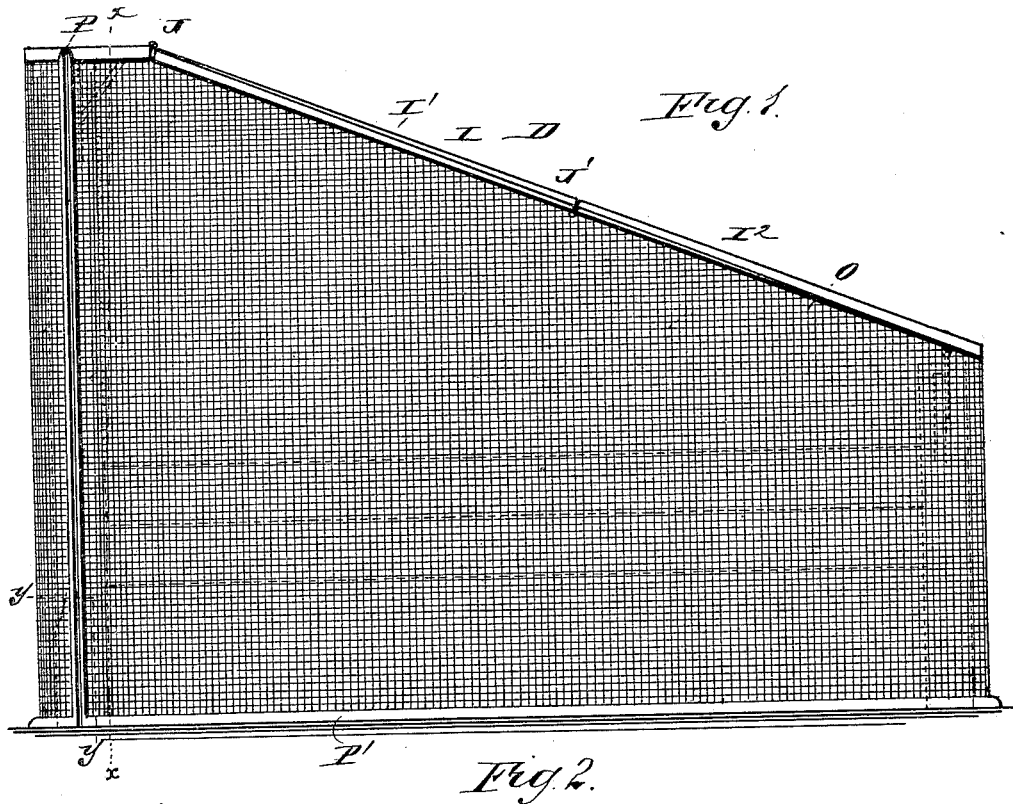
(No Model.)

3 Sheets—Sheet 1.

J. J. GRIFFITH.
FOLDING BED SCREEN.

No. 418,946.

Patented Jan. 7, 1890.



WITNESSES:

Francis M. Arde,
Bedgwick

D

INVENTOR

J. J. Griffith

BY

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ATTORNEY

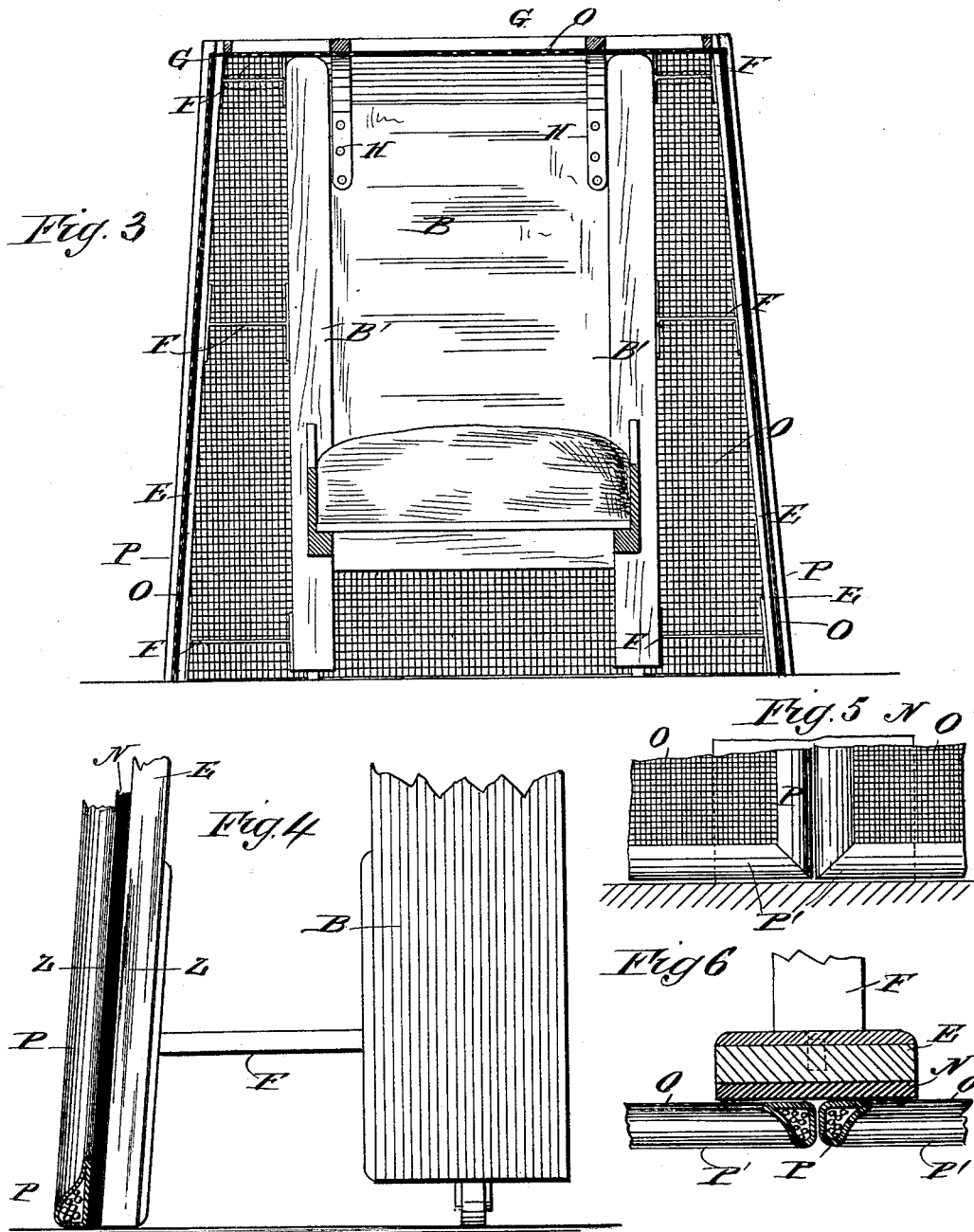
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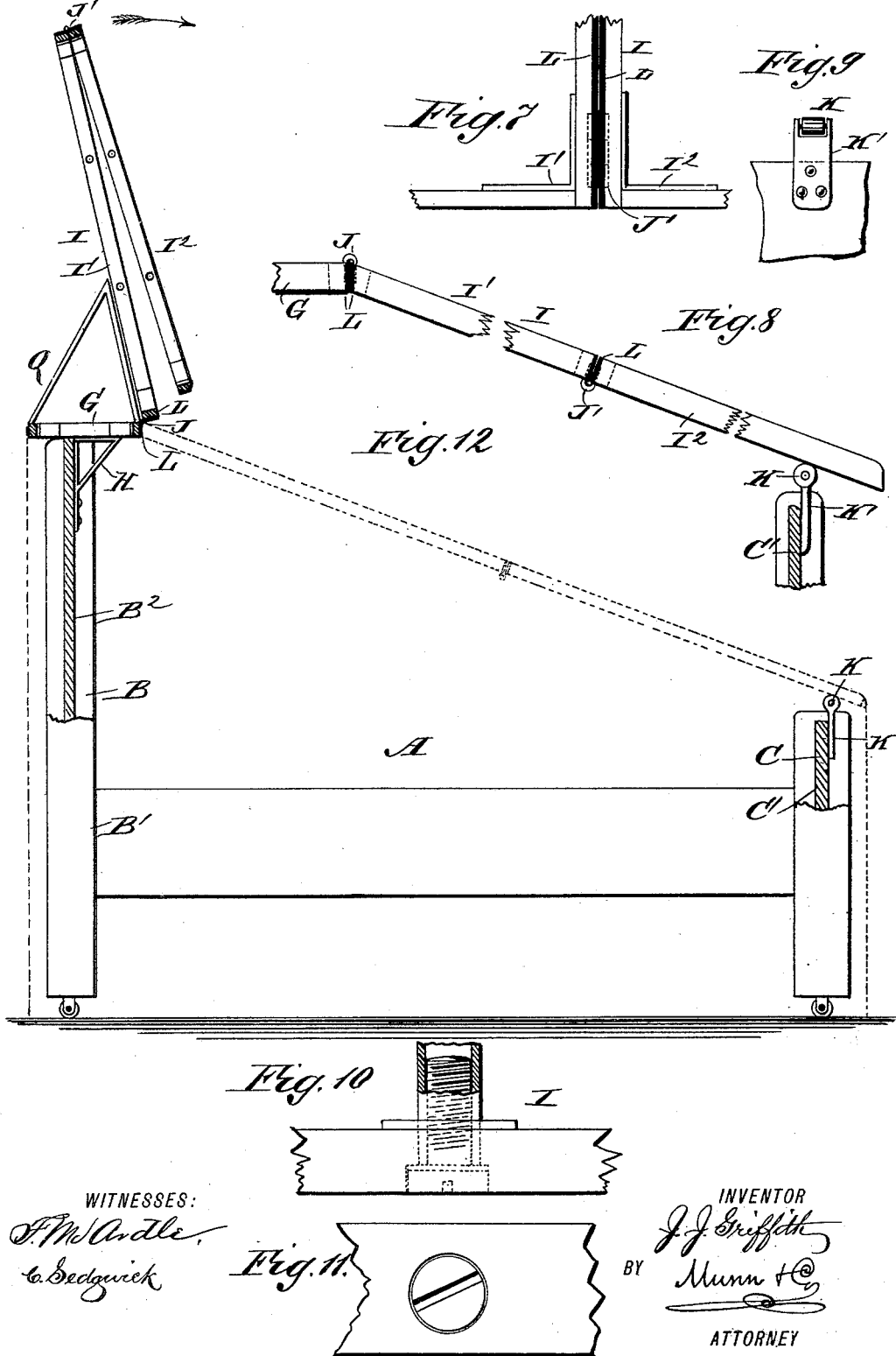
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UNITED STATES PATENT OFFICE.

JOHN JAMES GRIFFITH, OF SAN BERNARDINO, CALIFORNIA.

FOLDING BED-SCREEN.

SPECIFICATION forming part of Letters Patent No. 418,946, dated January 7, 1890.

Application filed March 2, 1889. Serial No. 301,759. (No model.)

To all whom it may concern:

Be it known that I, JOHN JAMES GRIFFITH, of San Bernardino, in the county of San Bernardino and State of California, have invented a new and Improved Folding Bed-Screen, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved canopy or bed-screen which is simple and durable in construction and serves to exclude insects—such as mosquitoes, flies, &c.—and is adapted to be easily and quickly folded up, so as to make the bed, and which also permits of convenient ingress and egress from the bed.

The invention consists of certain parts and details and combinations of the same, as will be fully described hereinafter, and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of the improvement. Fig. 2 is a plan view of part of the frame. Fig. 3 is a transverse section of the improvement on the line *xx* of Fig. 1. Fig. 4 is an enlarged transverse section of part of the improvement on the line *yy* of Fig. 1. Fig. 5 is a side elevation of the same. Fig. 6 is a sectional plan view of the same on the line *zz* of Fig. 4. Fig. 7 is an enlarged plan view of part of the top frame. Fig. 8 is a side elevation of the same. Fig. 9 is an end elevation of the top frame-support. Fig. 10 is an enlarged plan view, partly in section, of the frame-fastening. Fig. 11 is a side elevation of the same, and Fig. 12 is a sectional side elevation of the frame as applied to the bed in a folded-up position.

The improved folding bed-screen is adapted for a bed A, provided with the usual head B and the foot C, and adapted to support the frame D, provided with two posts E, slightly inclined, and fastened by cross-pieces F to the posts B' of the head B, as is plainly shown in Figs. 3 and 4. The upper ends of the posts E connect with a horizontally-extending open frame G, resting on suitable brackets H, secured to the upper ends of the head-board B². The frame G projects slightly to the rear of

the head B, and also a suitable distance to the front of the same over the bed.

On the front end of the frame G is pivoted the top I, comprising one or more sections, of which the first section I' is pivoted by a hinge J to the front end of said frame G, while the other section I² is pivoted by a hinge J' to the said section I'. The top I extends in an inclined position and rests with its lower end on rubber rollers K, mounted in brackets K', secured to the foot-board C' of the bed A. The adjoining ends of the sections I' and I² of the top I are lined with rubber or other suitable material L, and a similar lining L is between the adjoining ends of the section I' and the frame G. This lining serves to form a tight joint, at the same time rendering the folding part of the frame noiseless.

The hinges J' are so arranged that the sections I' and I² are held in a straight line when placed over the bedstead, as shown in Fig. 1. The hinges J and J' permit of folding the top I up into the position shown in Fig. 12, so as to permit of conveniently making the bed. The sections I' and I² are made in any desired manner, preferably of an open frame composed of hard wood and metallic rods secured together, in the manner shown in Figs. 10 and 11, by suitable screws or other means. The posts E are each provided on the front with a rubber lining N, which extends from the top to the bottom. The frame D is covered by a mosquito bar or netting in such a manner as to extend under the frame G and the top I and then hang down all around, so as to completely inclose the bed. The mosquito-bar is divided in the middle at the posts E, and the ends of the bar O at this opening are provided with pockets P; preferably made of leather, and extending throughout the length of the opening. The pockets P are weighted, preferably by being filled with shot, so that the said pockets rest firmly against the rubber lining N of the respective posts E. Similar pockets P' are secured to the lower ends of the mosquito-bar O, and are also weighted, so as to rest on the floor, thereby preventing insects from passing along the floor to the interior of the screen.

On the top of the frame G may be secured a bracket Q, for conveniently folding the top

I against the same, so as to hold the said top in the position shown in Fig. 12 while making the bed. It will be seen that when the frame D is in place and the bar O is held on the said frame the bed is entirely surrounded by the bar, and insects—such as mosquitoes and flies—cannot pass to the interior of the screen. The weighted pockets P P' form very tight joints, and at the same time permit of conveniently opening the sides of the bar to permit the person to pass to or from the bed. As soon as the operator releases the side of the bar the weighted pockets fall back to their former place on the floor and against the lining N of the posts E.

It will be seen that the improvement is so constructed as to enable the operator to conveniently fold it up in order to be able to make the bed. The frame supporting the mosquito-bar extends free from the wall, being supported entirely from the bedstead. It will further be seen that whenever the sides of the mosquito-bar are opened the weighted pockets will fall back into their place by their own weight, thus forming self-closing sides.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a bed-screen, the combination, with a mosquito bar or net, of a separate and independent weighted flexible pocket secured to the lower end of the said bar to hold the latter to the floor, the flexibility of the pocket adapting it to conform to inequalities of the floor and effectually prevent the entrance of insects, substantially as shown and described.

2. The combination, with a screen-frame having a flat upright at one side extending from the top of the frame to the floor, of the netting supported by said frame to inclose the ends and sides of a bed and having a vertical opening or entrance at the said upright, and a weight extending along the vertical free edge of the net and holding it against the outer side of the said flat upright, thereby forming a self-closing door, substantially as set forth.

3. In a bed-screen, the combination, with a frame comprising uprights and a top, of a mosquito-bar secured on the under side of the said frame and provided with side flaps, a weighted pocket secured to each of the flaps at the meeting edges thereof to hold

them against the said uprights, and a weighted pocket held on the lower end of the said mosquito-bar and adapted to rest on the floor, substantially as shown and described.

4. In a bed-screen, the combination, with a frame comprising rubber-lined uprights and a folding top, of a mosquito-bar secured on the said folding top and provided with side flaps, weighted pockets secured to the ends of the said flaps and adapted to rest against the said rubber-lined uprights, and a weighted pocket held on the lower end of the said mosquito-bar and adapted to rest on the floor, substantially as shown and described.

5. In a bed-screen, the combination, with a frame secured to the head of the bedstead, of a top frame composed of hinged sections and hinged on the said first-named frame, rollers supported on the foot of the bedstead and adapted to support the lower end of the said hinged top frame, and rubber linings held between the several sections of the top frame and the first-named frame to form tight joints, substantially as shown and described.

6. A screen-frame for bedsteads, comprising the head-frame G, having attaching-brackets H on its under side between its front and rear longitudinal edges, the hinged frame I, hinged to the head-frame G, to swing therefrom over a foot-board of a bedstead, uprights E, having horizontal brackets F to secure them to the ends of a head-board, and the netting supported on the said frame, substantially as set forth.

7. A screen for bedsteads, consisting in the head-frame G, having the head-board brackets H on its under side, the triangular support Q on its upper side, the frame I, formed of the hinged sections I' I² to form a flat top to project at its outer edge over the foot-board of a bedstead, a support for the frame at this point, uprights E E, having horizontal brackets F for securing them to the ends of a head-board, the netting secured to the frames G I to entirely inclose the bedstead, and provided with side flaps having their vertical edges provided with flexible weighted pockets P P, and similar pockets P' around the floor edge of the net, substantially as set forth.

JOHN JAMES GRIFFITH.

Witnesses:

A. H. SECCOMBE,
M. B. TERRASS.