

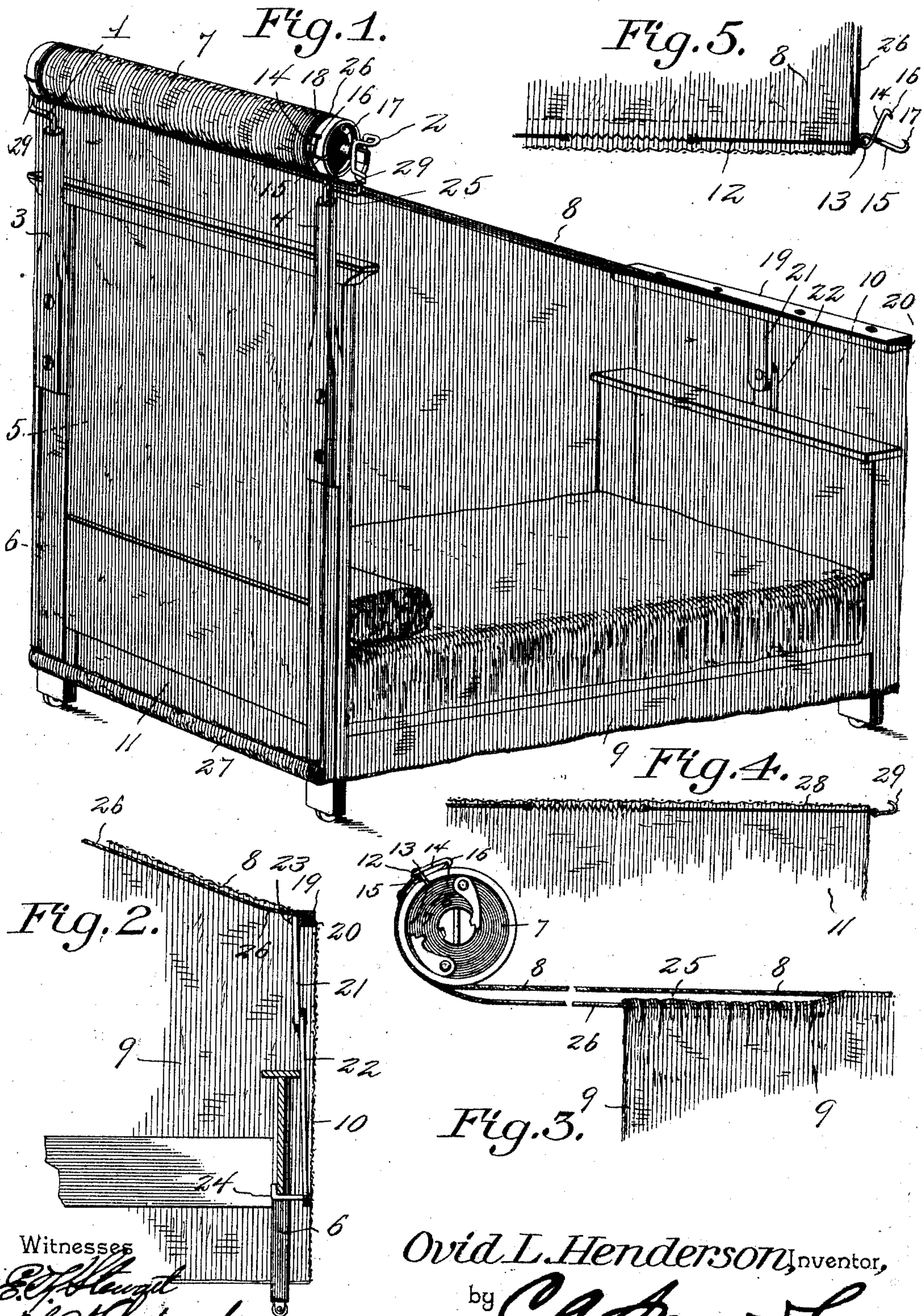
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O. L. HENDERSON.  
MOSQUITO CANOPY.

APPLICATION FILED JUNE 20, 1904.

NO MODEL.



Witnesses  
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# UNITED STATES PATENT OFFICE.

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## MOSQUITO-CANOPY.

SPECIFICATION forming part of Letters Patent No. 775,972, dated November 29, 1904.

Application filed June 20, 1904. Serial No. 213,361. (No model.)

*To all whom it may concern:*

Be it known that I, OVID L. HENDERSON, a citizen of the United States, residing at McHenry, in the county of Harrison and State of Mississippi, have invented a new and useful Mosquito-Canopy, of which the following is a specification.

This invention relates to mosquito-canopies, and has for its object to provide certain new and useful improvements in this class of devices whereby the canopy is arranged to be mounted upon a bedstead and to inclose the top, ends, and opposite sides thereof to effectively exclude mosquitos, flies, and the like.

Another object of the invention is to have the device complete in itself and in the nature of an attachment arranged for convenient application to a bedstead without requiring any changes therein and capable of being readily detached when desired and also of being folded upon the top of the headboard when not required for use.

Another object of the invention is to have the device adjustable, so as to fit bedsteads of different sizes, and also to provide for the convenient replacement of the net-sections when torn or damaged.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of a canopy of the present invention mounted upon a bedstead. Fig. 2 is a detail sectional view showing the manner of supporting the foot end of the canopy. Fig. 3 is a detail view looking at one end of the spring-roller and illustrating the adjustable support of the head ends of the side flaps of the canopy. Fig. 4 is a detail sectional view showing the elastic support for the upper end of the head-section of the canopy. Fig. 5 is a detail sec-

tional view through one upper terminal of the top section of the canopy to illustrate the manner of securing the attaching-clip thereto.

Like characters of reference designate corresponding parts in each and every figure of the drawings.

The device of the present invention includes a pair of roller-brackets 1 and 2, which are carried at the upper ends of the standards 3 and 4, and the latter are secured in any suitable manner to the back of the headboard 5 of any ordinary form of bedstead 6, with the roller-brackets projected above the top of the headboard. A suitable spring-roller 7 is detachably supported in the roller-brackets and is designed to carry the net-sections which make up the canopy.

The canopy proper comprises a top net-section 8, from which depend side flaps 9 and a foot-flap 10, each of which is sewed or otherwise connected to the top section, and the adjacent ends of the side flaps and the foot-flap are also connected. The head-section 11 is independent of the top section, but is of course carried by the roller. The rear end of the top section is provided with a transversely-disposed elastic cord 12, each end of which is connected to a clip 13, having arms 14 and 15 set at substantially right angles to one another and terminating at their outer ends in hooks 16 and 17, the former of which is engaged with a seat or recess 18 in the adjacent peripheral portion of the roller, and the other hook, 17, is engaged with the extremity of the roller, whereby the top net-section is detachably connected to the roller and may be readily removed therefrom whenever desired. The foot end of the head-section of the canopy is clamped between upper and lower cross-bars 19 and 20, which form a spreader therefor, and at the middle of this spreader there is a prop made up of upper and lower sections 21 and 22, with the upper section hinged or pivoted to the spreader, as at 23, the lower extremity of the prop being provided with a hook or keeper 24 to engage the lower edge of the footboard of the bedstead and support the spreader in place against the tension of the spring-roller upon the top sec-



tion of the canopy. It will of course be understood that the top section of the canopy is of a length to accommodate it to bedsteads of the maximum size, and when applied to smaller  
 5 bedsteads it is not necessary to entirely unroll the top section. To accommodate the side flaps to bedsteads of different lengths the rear upper edge portion of each side flap is separate from the top section, as indicated at 25,  
 10 and slidable or gathered loosely upon a cord 26, which has one end connected to the adjacent clip 13 and its opposite end run through the seam between the flap and the top of the canopy and connected to the stretcher 19,  
 15 whereby the rear portion of the cord is adapted to be wound upon the roller when the canopy is not extended to its full length and the flaps may be adjusted upon the cord according to the length of the bedstead, thereby to  
 20 preserve an overlapping engagement between the rear end of each side flap and the head-section 11 of the canopy.

The head-section 11 of the canopy is provided at its lower end with a cross-bar 27,  
 25 similar to those employed in window-shades, to act as a stretcher and as a weight to hold the section extended when in use. At the upper end of this section there is a transverse elastic cord 28, which is provided at opposite  
 30 ends with hooks or clips 29 for detachable engagement with the opposite ends of the spring-roller, whereby the back section is capable of being rolled upon the roller when not in use and may be removed therefrom for replace-  
 35 ment or for any other purpose.

From the foregoing description it is apparent that the present mosquito-canopy is entirely complete in itself and is capable of being fitted to a bedstead without any alteration  
 40 therein whatsoever, and when fitted in place is capable of being wound upon the spring-roller, so as to maintain the device out of the way when not required for use, while at the same time it may be readily withdrawn from  
 45 the roller and set up in condition for use in a very simple and expeditious manner.

In addition to accommodating the canopy to bedsteads of different sizes the feature of having the rear ends of the side flaps separate  
 50 from the top and head sections also has the advantage of giving convenient access to the bed when the canopy is set up, and therefore it is not necessary to disturb the device to enable a person to get in and out of the bed.

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

1. In a device of the class described, the  
 60 combination of a roller, roller-brackets therefor, a canopy comprising top and head sections connected to the roller, side flaps connected to the top section, and a foot-section connected to the top and side flaps, the head  
 65 end of each side flap being separate from the

head and top sections, and cords wound upon the roller with the respective side flaps adjustable thereon.

2. In a mosquito-canopy, a roller, a top section connected thereto, side flaps connected to  
 70 the top section with their end portions adjacent the roller separate therefrom, and cords connected to each end of the roller with the separate portions of the side flaps adjustable thereon. 75

3. In a mosquito-canopy, a roller, a canopy separate from the roller, and clips elastically connected to opposite sides of the canopy at one end thereof and detachably engaging opposite ends of the roller. 80

4. In a mosquito-canopy, a roller, a canopy, an elastic member carried transversely by one end of the canopy, and clips connected to opposite ends of the elastic member, each clip including angularly-related arms terminating  
 85 in hooks with the hook of one arm engaging the adjacent end of the roller and the hook of the other arm engaging a recess in the roller to detachably connect the canopy to said roller.

5. In a mosquito-canopy, the combination  
 90 of a roller, a canopy-top carrying side and foot flaps, clips carried by the head end of the canopy and detachably engaging the roller, and a head-section separate from the canopy-top and provided with clips detachably engaging the roller. 95

6. In a mosquito-canopy, the combination of a supporting-roller, a canopy-top having clips detachably engaging the roller, side and foot flaps connected to the top section, the  
 100 head end of each side flap being separate from the top section, cords connected to the roller with the separate portions of the side flaps adjustable thereon, a separate head-section having clips detachably engaging the roller, a  
 105 spreader at the foot end of the head-section, a prop carried by the spreader, and a hook carried by the lower end of the prop for engagement with the footboard of a bedstead.

7. In a mosquito-canopy, the combination  
 110 of roller-brackets for attachment to a bedstead, a spring-roller to be mounted therein, a canopy carried by the roller, a spreader for the free end of the canopy, and a prop connected to the spreader and having means for  
 115 connection with the bedstead to support the spreader.

8. In a mosquito-canopy, the combination of standards for application to one end of the bedstead, roller-brackets carried by the upper  
 120 ends of the standards, a spring-roller to be mounted in the brackets, a canopy carried by the roller and capable of being wound thereon, a spreader for the free end of the canopy, and a prop connected to the spreader and provided with means for connection with the opposite end of the bedstead. 125

9. In a mosquito-canopy, the combination of roller-brackets for attachment to a bedstead, a spring-roller to be mounted upon the  
 130



brackets, a canopy carried by the roller and capable of being wound thereon, a spreader for the free end of the canopy, a prop connected to the spreader, and a hook projected  
5 laterally from the lower portion of the prop to engage the under edge of one of the ends of the bedstead and support the canopy against the tension of the spring-roller.

10 10. In a mosquito-canopy, the combination of roller-brackets for attachment to a bedstead, a spring-roller to be mounted therein, a canopy carried by the roller and capable of being wound thereon, a spreader for the free end of the canopy, and a prop connected to  
15 the spreader and capable of being folded there-against when the canopy is not in use.

11. In a mosquito-canopy, a roller, a top section connected thereto, a stretcher for the outer end of the top section, side flaps connected to the top section with their end por- 20 tions adjacent the roller separate therefrom, and cords connected to each end of the roller and to the spreader, the rear end portions of the side flaps being adjustable upon said cords.

In testimony that I claim the foregoing as 25 my own I have hereto affixed my signature in the presence of two witnesses.

OVID L. HENDERSON.

Witnesses:

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