F. B. PANGANIBAN.

MOSQUITO NET SUPPORT FOR COTS.

APPLICATION FILED SEPT. 19, 1917.

1,254,529.

Patented Jan. 22, 1918.

2 SHEETS—SHEET 1.

Fig. 1.

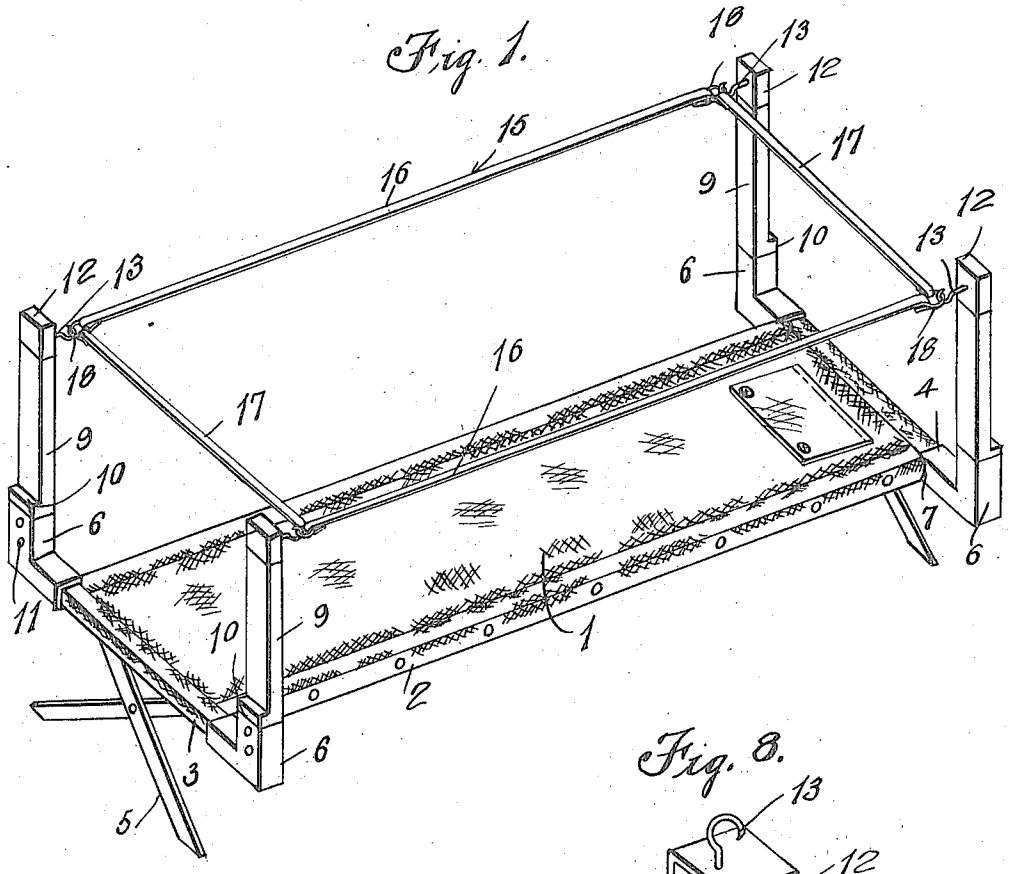
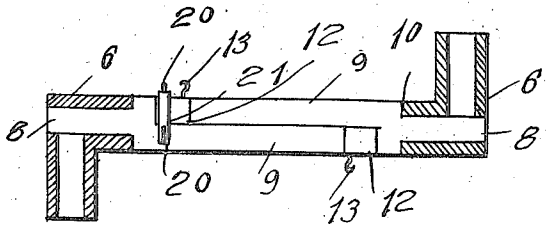


Fig. 8.

Fig. 9.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 2.

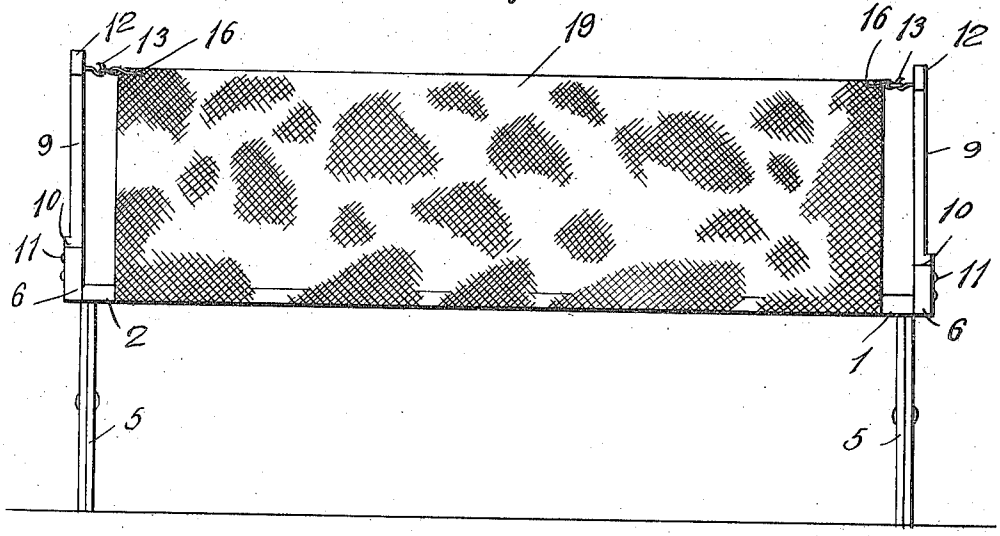


Fig. 3.

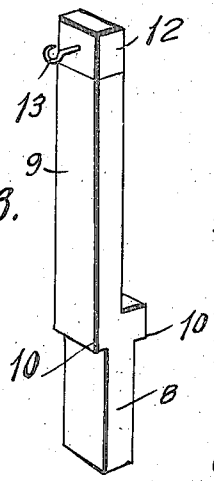


Fig. 7.

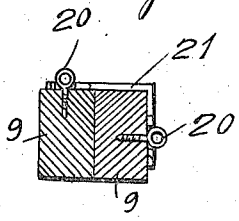


Fig. 5.

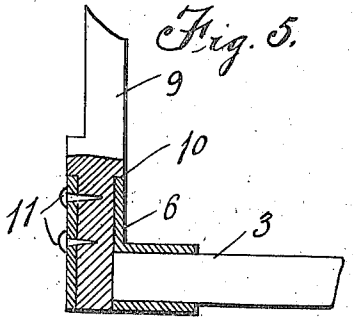


Fig. 4.

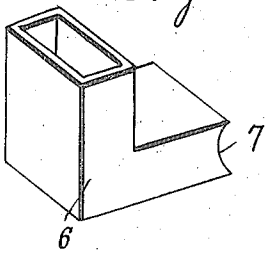
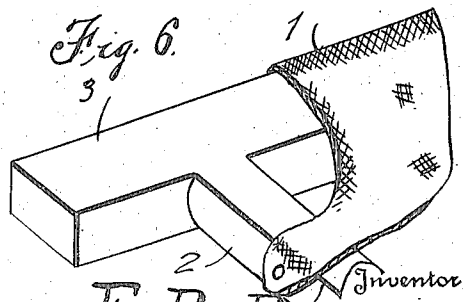


Fig. 6.



Witnesses

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UNITED STATES PATENT OFFICE.

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MOSQUITO-NET SUPPORT FOR COTS.

1,254,529. Specification of Letters Patent. Patented Jan. 22, 1918.

Application filed September 19, 1917. Serial No. 192,127.

To all whom it may concern:

Be it known that I, FIDEL B. PANGANIBAN, citizen of the United States, residing at Lobo, Batangas, Philippine Islands, have invented certain new and useful Improvements in Mosquito-Net Supports for Cots; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in mosquito supports for cots.

The object of this invention is to provide a mosquito net support applicable to the end rails of a cot so that a mosquito net may be arranged over the cot, thus protecting the user of the cot while sleeping.

Another object of this invention is to provide a rectangular supporting structure adapted to be removably secured to the end rails of a cot so that a mosquito netting may be readily supported by the structure over the cot and protect the sleeper from mosquitos, bugs or the like while sleeping.

A further object of this invention is to provide a mosquito net support, which may be easily and quickly set up in position so that it may be readily applied to the end rails of a cot so as to permit a mosquito net to be stretched over the cot, thus protect the sleeper.

A still further object of this invention is to provide a mosquito net support for cots of this character, which will be simple, durable and efficient, and one which may be manufactured and sold at a comparatively low cost.

With these and other objects in view, the invention consists in the novel combination and arrangement of parts hereinafter more fully described and claimed.

In the drawings:

Figure 1 is a perspective view of my improved mosquito net support illustrating it applied to a cot.

Fig. 2 is a side elevation illustrating the device supporting a mosquito netting over the cot,

Fig. 3 is a perspective view of one of the supporting posts,

Fig. 4 is a perspective view of one of the couplings adapted to receive the posts and also adapted to be secured to one end of the end rail,

Fig. 5 is a sectional view of the coupling illustrating it applied to the end rail of the cot and having its posts in position,

Fig. 6 is a fragmentary perspective view of one end rail and side rail of a cot,

Fig. 7 is a detail sectional view illustrating the manner in which the posts illustrated in Fig. 3 may be secured in dismantled position,

Fig. 8 is a perspective view of the caps adapted to be secured to the upper end of each post,

Fig. 9 is a side elevation partly in section illustrating the manner in which the pairs of posts may be arranged together when not in use.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

Referring to the drawings, the numeral 1 designates a canvas, 2 the side rails, 3 the head rail, 4 the foot rail, and 5 the legs of a cot of any well known type now in general use. The head and foot rails 3 and 4 respectively project laterally beyond the side rails 2 to facilitate the application of my improved mosquito net support.

My improved mosquito net support, which is appliable to the terminals of the head and foot rails 3 and 4 respectively comprises a plurality of L-shaped couplings 6. The L-shaped couplings 6 are hollow and the horizontal arm portion of the coupling has its terminal concave and substantially semicircular as at 7 so that it may snugly fit or engage the side rails 2 of the cot when the coupling is fitted upon the laterally projecting ends of the head and foot board rails 3 and 4 respectively. The vertical portions of the L-shaped couplings 6 are adapted to receive the reduced lip 8 of the vertical uprights 9. The vertical uprights 9 are each provided at one end with a reduced lip 8, which forms a laterally projecting shoulder 10 on opposite side faces thereof, limiting the movement of the vertical uprights in the vertical portion of the couplings 6 as clearly shown in Fig. 5. The uprights 9 are secured in the couplings by suitable fastening means 11, such as nails, screws or the like.

A metal cap 12 is secured to the upper end of each upright 9 and is provided with a laterally extending hook 13, the purpose of which will be hereinafter more fully described.

The couplings 6 are arranged in spaced pairs and each pair is adapted to be removably arranged over the terminals of the head and foot rails 3 and 4 respectively. The vertical uprights 9 are then secured in the vertical portions of each of the couplings as shown in Fig. 5, thus providing a substantially rectangular supporting structure. The caps 12 are secured to the upper ends of each of the uprights 9 having their hooks opposing one another as shown in Fig. 1.

It can be readily seen that this structure as illustrated may be readily dismantled from the end rails 3 and 4 respectively of the cot so that the same may be conveniently packed in a small space when not in use.

It will be apparent that the couplings 6 are secured to the terminals of the end rails 3 and 4 respectively and as each coupling comprises a vertical upright 9, which is secured in the vertical portion thereof, a substantially rectangular structure is provided. It will also be noted by the use of the couplings, that the mosquito net support may be easily and quickly set up and taken down in a comparatively short time.

An elastic tape 15 comprises spaced side members 16 and end members 17, it being understood that this may be a single strip of elastic tape or may be separate pieces and the end member 17 connected to the ends of the side members 16 by brass rings 18, which rings are adapted to be removably arranged over the hooks 13 carried by the caps 12 arranged on the upper end of each of the vertical uprights 9, thus it can be seen that the uprights have their upper ends rigidly connected together under the tension of the tape 15, which must be stretched so as to facilitate the arranging of the brass rings 18 over the hooks 13 respectively.

A mosquito netting 19 is secured to the elastic tape 15 and is provided with side and end members and the top surface at its point of connection with the side and end members is provided with openings to permit the brass rings 18 to extend therethrough, thus facilitating the securing of the net to the uprights 9 and permits the side and end members of the net to completely cover the top surface of the cot to protect the sleeper.

In use, the couplings are arranged on the end rails 3 and 4 respectively and each coupling carries its upright and the substantially rectangular structure is provided. The brass rings 18 carried by the elastic tape and net is arranged over the hooks 13 or each upright, and then the net is positioned over the surface of the cot to protect the user thereof.

When it is desired to dismantle the device, it is only necessary to remove the rings 18 from the hooks 13 and fold the net and place the same in a small compartment, which compartment may be formed in the mattress or canvas of the cot. The uprights 9 are then removed from the rails 3 and 4 of the cot and each pair of uprights is slidably fitted together as illustrated in Fig. 9. Each upright 9 is provided with an eye 20 and each eye of the respective uprights is located in alinement with each other. A retaining strap 21 is provided adjacent each end with a longitudinally extending slot, which is adapted to be removably arranged over the eyes 20 so as to removably support the pairs of uprights in a position as shown in Fig. 9 so that they may be packed in a comparatively small place and may be conveniently handled.

What is claimed is:

A mosquito net support comprising a plurality of L-shaped couplings, said couplings having one of their sockets adapted to be removably secured to the end rails of a cot, and vertical uprights secured to each coupling, caps secured to the upper ends of the uprights, hooks carried by the caps, and an elastic tape carrying a net removably secured to the hooks, as and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

FIDEL B. PANGANIBAN.

Witnesses:

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EULALIO OLAES.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."