J. F. VOLLE.

MOSQUITO-NET FRAME.

No. 189,287. Patented April 3, 1877.

Fig. 1.

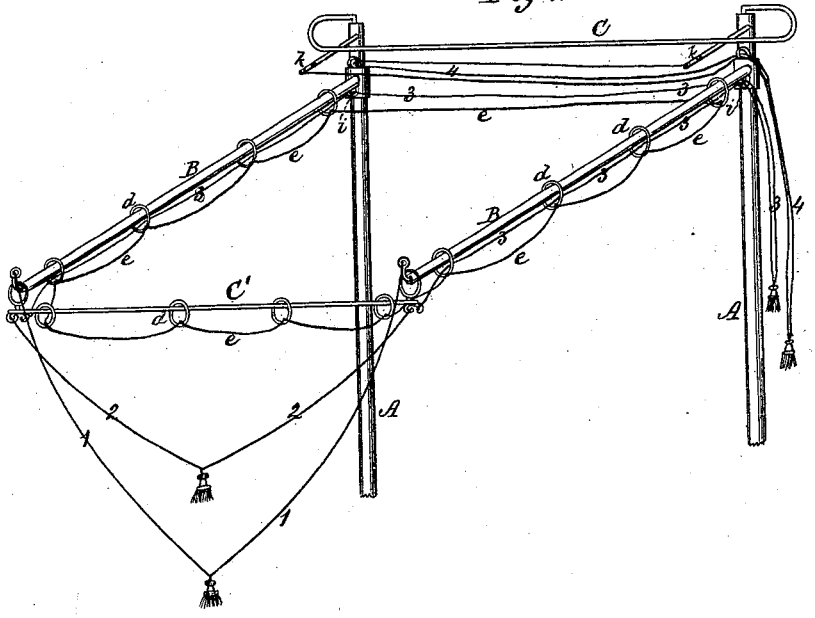
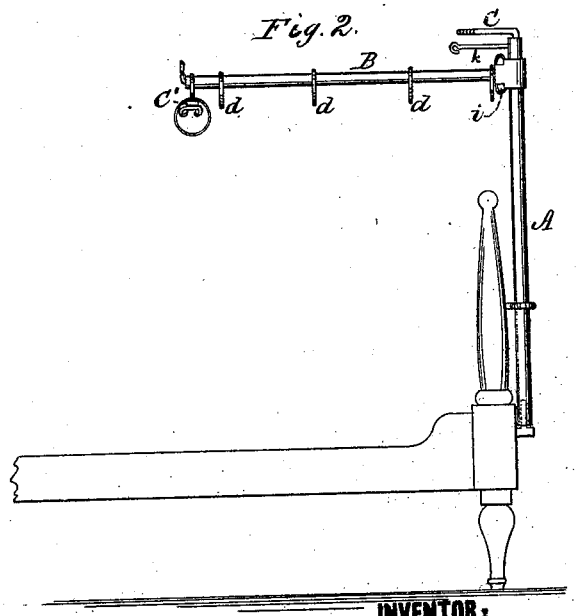


Fig. 2.



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UNITED STATES PATENT OFFICE.

JOHANN F. VOLLE, OF HOUSTON, TEXAS.

IMPROVEMENT IN MOSQUITO-NET FRAMES.

Specification forming part of Letters Patent No. **189,287**, dated April 3, 1877; application filed February 27, 1877.

To all whom it may concern:

Be it known that I, JOHANN F. VOLLE, of Houston, in the county of Harris and State of Texas, have invented a new and Improved Mosquito-Net Frame; and I do hereby declare that the following is a full, clear, and exact description of the same.

The invention is an improvement in that class of mosquito-net frames which are made adjustable, so that they may be extended over the bed or folded compactly, according to the requirements of use.

The invention consists, mainly, in vertical posts or rods, swiveled to the head of a bedstead, and having horizontal arms, to which the net is attached by means of sliding rings.

The invention further consists in connecting the said arms by a cross bar or rod, which is adapted to slide thereon, and to which the net is likewise attached in the same manner as to the swinging arms.

The invention further relates to the peculiar arrangement of cords for adjusting or operating the swiveled posts, and extending or retracting the net.

In the accompanying drawing, forming part of this specification, Figure 1 is a perspective view of the frame. Fig. 2 is a side view, showing the manner of attachment to a bedstead.

The frame from which the mosquito-net is suspended consists, chiefly, of two L-shaped parts, each of which is composed of a vertical post or rod, A, and horizontal arm B. The posts or rods A are swiveled to the head of the bedstead, and their upper ends are connected by a rod, C.

I prefer to employ gas-tubing to form these L-shaped frames, the respective parts A B of each frame being connected by the common T-joint.

The arms B of the respective L-frames are connected by a transverse rod, C, which is attached thereto by swiveled rings, and thus adapted to slide freely on the arms. The mosquito-net is attached to the arms B and rod C′ by means of sliding rings *d*, which are connected by a cord, *e*. A cord, 1, is attached to the free ends of the arms B, for the purpose of drawing or swinging them forward, and thus extending them parallel over the bed. When they are in this position the rod C′ must be drawn forward to hold them equidistant apart, and, the net being attached to the rod by rings, as above described, it will necessarily be drawn forward at the same time. For this purpose a cord, 2, is attached to the ends of rod C′, as shown. The cord 3, for drawing back the rod C′ on the arms B, is passed through the rings *d*, that support the net from the said arms B, and thence through eyes or loops *i*, attached to, or formed on, the Ts or joints of the arms B and rods A.

The arms B may be swung or folded inward by pulling the cord 4, which is attached to short lever-arms *k*, that project from the tops of posts or rods A. This cord passes through loops similar to the net-cord, and, like it, the tassel end is pendent by the side of the right-hand post A.

From the foregoing description it is apparent that both frame and net may be extended over the bed by pulling the cords 1 and 2, successively, and that the operation may be reversed to fold the frame and net by pulling the cords 3 and 4, successively.

Thus the net may be extended or retracted easily and quickly, either by the person occupying the bed or by one standing beside it. When extended, the net subserves the function of those which are permanently and rigidly attached to the bedstead, and when folded it is out of the way and occupies small space.

The frame and net may also be easily detached from the bedstead when necessary.

Having thus described my invention, what I claim as new is—

1. The folding and extensible frame for supporting mosquito-nets, consisting of the swiveled L-shaped parts A B, and the sliding rod C′, connecting them in the manner shown and described.

2. In combination with the L-frames A B, having short lever-arms *k*, the cord 4, passing through loops, and otherwise arranged, as shown and described, for the purpose specified.

3. In combination with the sliding rod C′, net-rings *d*, and L-frames, the cord 3, arranged as shown, for the purpose specified.

JOHANN F. VOLLE.

Witnesses:
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H. WATERHOUSE.