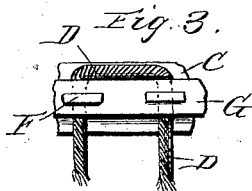
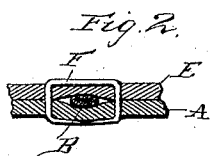
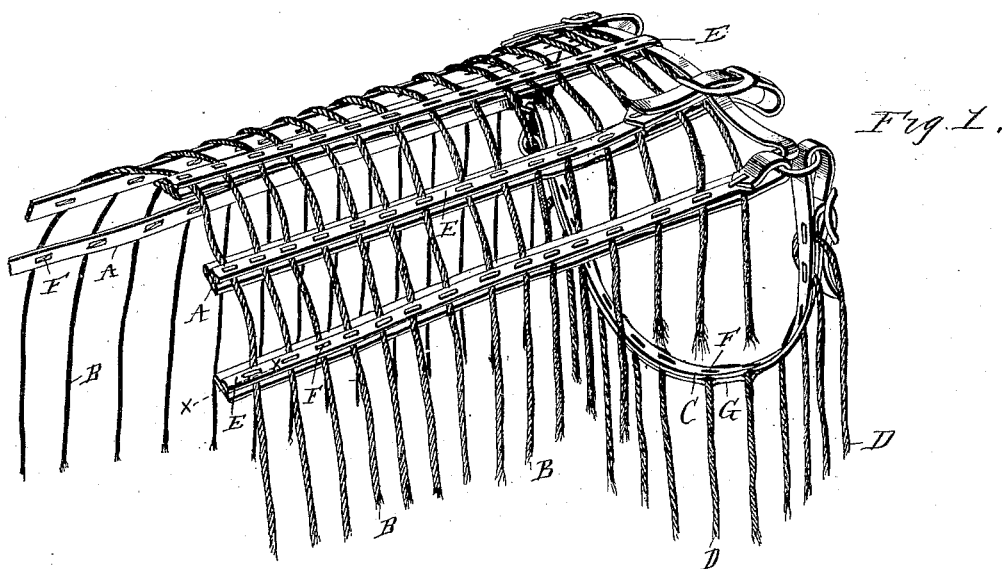


(No Model.)

R. H. WAGNER.
FLY NET.

No. 419,901.

Patented Jan. 21, 1890.



Witnesses
Van Duren Hillyard.

Inventor
Richard H. Wagner

By his Attorneys
R. S. W. Lacey.

UNITED STATES PATENT OFFICE.

RICHARD H. WAGNER, OF NAPERVILLE, ILLINOIS.

FLY-NET.

SPECIFICATION forming part of Letters Patent No. 419,901, dated January 21, 1890.

Application filed July 30, 1889. Serial No. 319,166. (No model.)

To all whom it may concern:

Be it known that I, RICHARD H. WAGNER, a citizen of the United States, residing at Naperville, in the county of Du Page and State of Illinois, have invented certain new and useful Improvements in Fly-Nets; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to fly-nets, and aims to secure the durability of that class of fly-nets which use lashes of hemp, jute, cotton, &c. Experience has shown that the lash-fasteners which are made of iron soon rust and weaken the lashes and cause them to break at the point of fastening with the straps.

My invention is a supplemental strap between which and the main strap the lashes are placed and secured by a staple-fastening which passes through the two straps and straddles the lash, the ends of the staple being clinched.

The improvement further consists in the novel features which will be hereinafter more fully described and claimed, and which are shown in the annexed drawings, in which—

Figure 1 is a perspective view of a fly-net embodying my invention. Fig. 2 is a detailed section on the line *xx* of Fig. 1 on an enlarged scale. Fig. 3 is a detailed view showing the lash doubled on itself, each end being fastened by a staple.

The fly-net is of ordinary arrangement, being composed of the longitudinal straps A and the lashes B. The breast-strap C, having lashes D, is fastened at its ends in the usual way to the main part of the net. A supplementary strap E is provided for each strap A

and is placed opposite said strap. The lashes B are placed between the two straps A and E, and are held therein by the fastenings F, which are staples driven through the two straps and astraddle of the lashes, the ends of the staples being clinched on the side of the strap opposite to that which it entered. The breast-strap C has a supplementary strap G, the lashes D being held between the two staples by fastenings F. Each lash D is doubled on itself, forming two ends, which ends are passed between the straps C and G and secured by fastenings F, as hereinbefore mentioned.

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

1. A fly-net composed of lashes and a series of longitudinal imperforate straps and a corresponding series of imperforate supplemental straps, the said supplemental straps being superimposed on the said main straps, and the lashes placed between the main and supplemental straps and held in place by fasteners, which fasteners hold the said main and supplemental straps together and surround and bind the lashes between them, substantially as shown and hereinbefore described.

2. In a fly-net, the combination, with the main and supplemental straps C and G, of the lash doubled on itself, forming two ends, which ends are passed between the staples, and fastenings for securing the two straps together and clamping said ends between the straps, substantially as set forth.

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

RICHARD H. WAGNER.

Witnesses:

A. B. STENGER,
J. H. BARD.