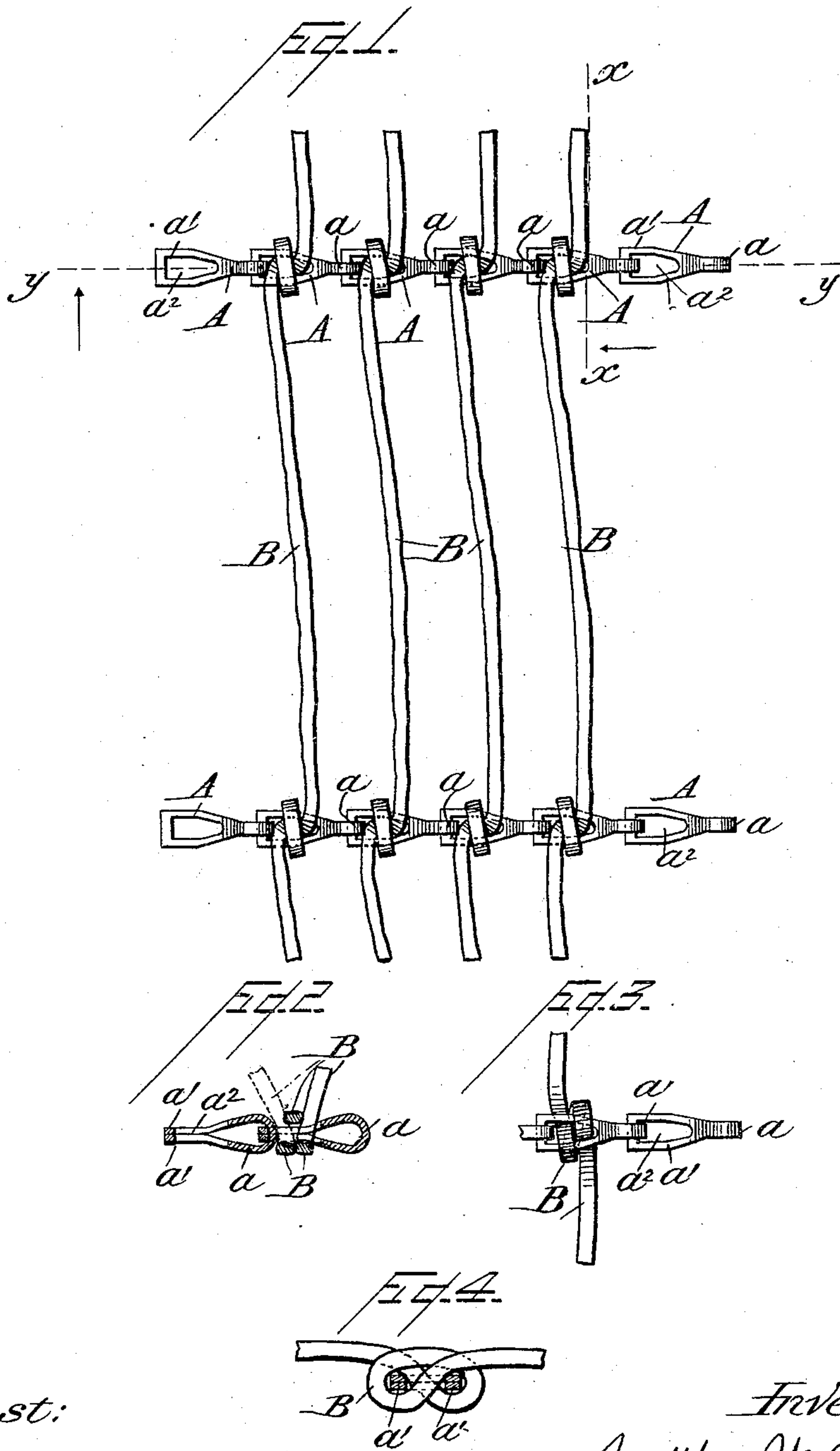


(No Model.)

M. W. BACH.
FLY NET.

No. 486,421.

Patented Nov. 22, 1892.



Attest:

H. H. Schott
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Inventor
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per Fred E. Parker,
his Atty

UNITED STATES PATENT OFFICE.

MATTHEW W. BACH, OF OTTAWA, ILLINOIS.

FLY-NET.

SPECIFICATION forming part of Letters Patent No. 486,421, dated November 22, 1892.

Application filed October 22, 1891. Serial No. 409,538. (No model.)

To all whom it may concern:

Be it known that I, MATTHEW W. BACH, a citizen of the United States, residing at Ottawa, in the county of La Salle and State of Illinois, have invented certain new and useful Improvements in Fly-Nets; 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 an improvement in fly-nets for horses, the object of the invention being to provide a simple, cheap, and efficient construction for nets of this character; and the invention consists in the combination, construction, and arrangement of the several parts, substantially as will be hereinafter described and claimed.

In the annexed drawings, illustrating my invention, Figure 1 is a partial plan view of a fly-net constructed in accordance with my present invention. Fig. 2 is a detail section on the line $y y$ of Fig. 1. Fig. 3 is a detail reverse or bottom plan view of a small part of the net. Fig. 4 is a cross-section on the line $x x$ of Fig. 1.

Similar letters of reference designate corresponding parts in the several figures.

The leading feature of my improved fly-net consists in metallic chains. These chains are placed at suitable distances apart parallel to each other or otherwise, as the case may be, and between them are stretched the connecting leather cords or strips, substantially as shown.

The metallic chains are composed of links A. These links consist each of a strip of metal bent to provide a loop a and the two flat ends $a' a'$, which lie in contact with each other and are slotted at a^2 . The slot a^2 contains the loop a of the adjacent link, it having been inserted therein before the closing together of the ends a' of its own length. The flat ends a' lie in planes at right angles to the looped portions a .

B B designate the leather strips. These are connected to the links A by passing them through the slots a^2 and twisting them about the flattened portions a' of the said link. Fig. 4 shows clearly the manner in which I preferably twist the cord B around the link. One

end of the cord is passed transversely through the slot a^2 , when it is carried back up over the top of one of the flat sides a' , then downward underneath the flat side a' , then upward through the slot a^2 again alongside of the first part within said slot, and then, emerging outward at the top of the slot, is passed onward in a transverse direction, all as clearly represented in Fig. 4.

The provision of the metallic chains as a substitute for leather pieces is an important and leading feature of my invention. By this employment of peculiarly-constructed chains having the leather strips intertwisted therewith in the manner stated I gain important advantages. The fly-net thus produced is much stronger and at the same time is very light, simple, and cheap. Furthermore, it is very easily and quickly made. The chains having their links arranged as stated can quickly and easily have the leather strips intertwisted therewith, and the fly-net is thus constructed in proper form expeditiously and with great facility. The feature of the additional strength gained by this construction, however, perhaps is most important, as a fly-net having these chains therein can be subjected to considerable strain without breaking or unduly stretching or becoming otherwise injured in this manner. Furthermore, a fly-net made in this way will be more lasting and permanent than when the metallic chains are not employed.

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

In a fly-net for horses, the combination of the metallic chains composed of links A, said links consisting each of a strip of metal bent to provide a loop a and the two flat ends $a' a'$, which lie in contact with each other and are slotted at a^2 , and the leather strips B B, passing through the slots a^2 of the links A and twisted about the flattened portions a' , all arranged substantially as described.

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

MATTHEW W. BACH.

Witnesses:

THOS. C. FULLERTON,
ROSE M. DIEHL.