

(No Model.)

J. HAND.

HORSE NET.

No. 370,617.

Patented Sept. 27, 1887.

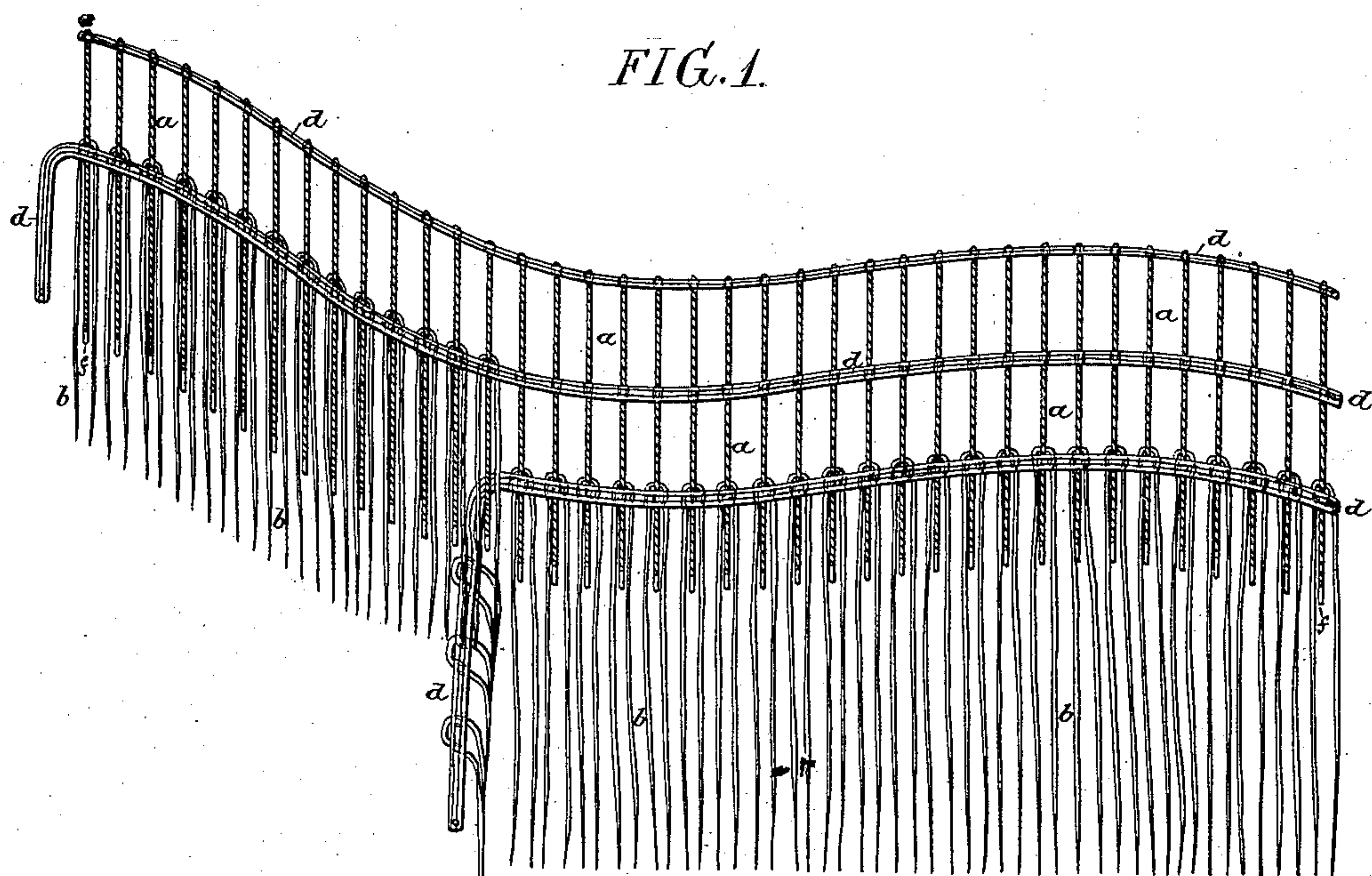


FIG. 2.

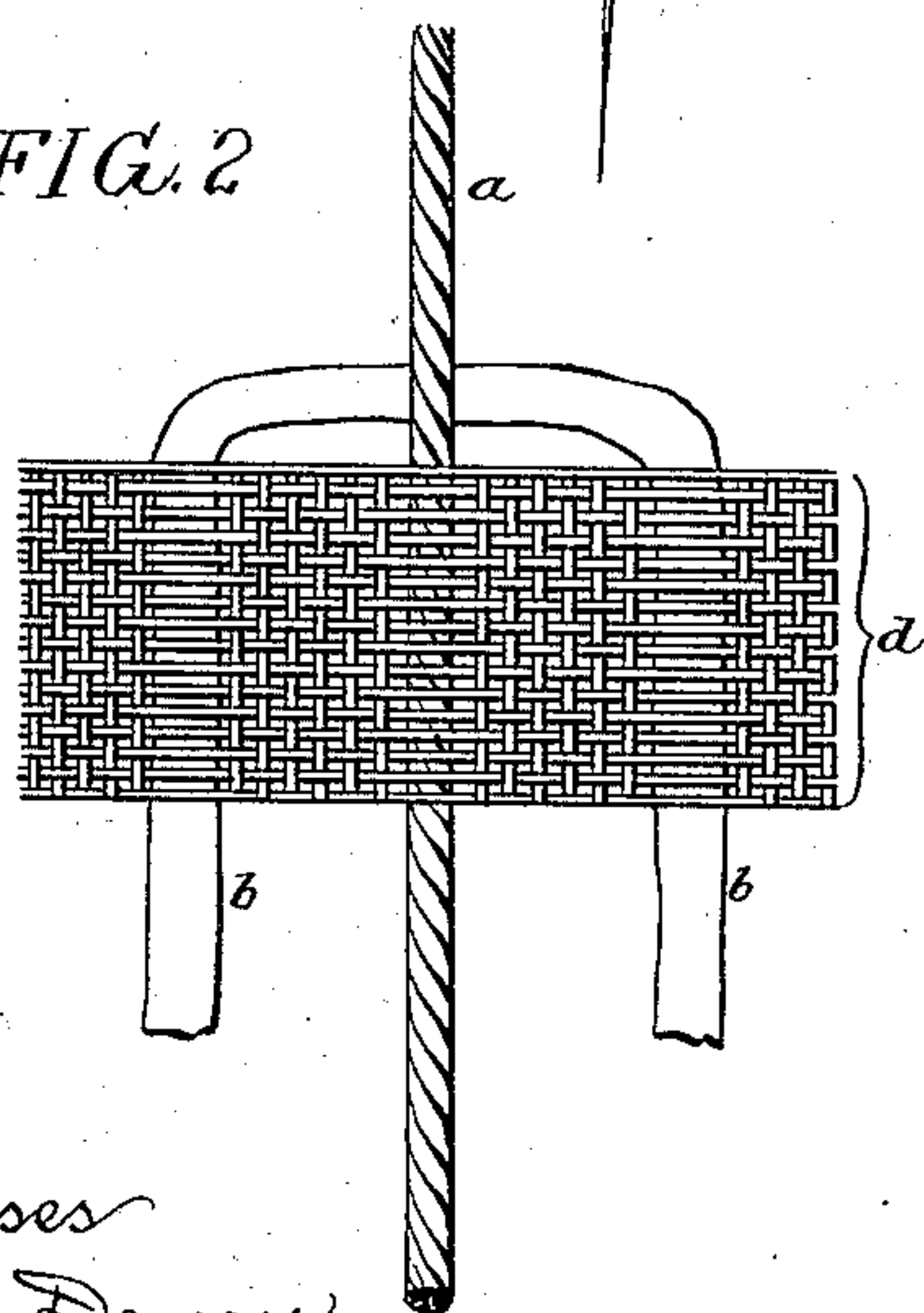
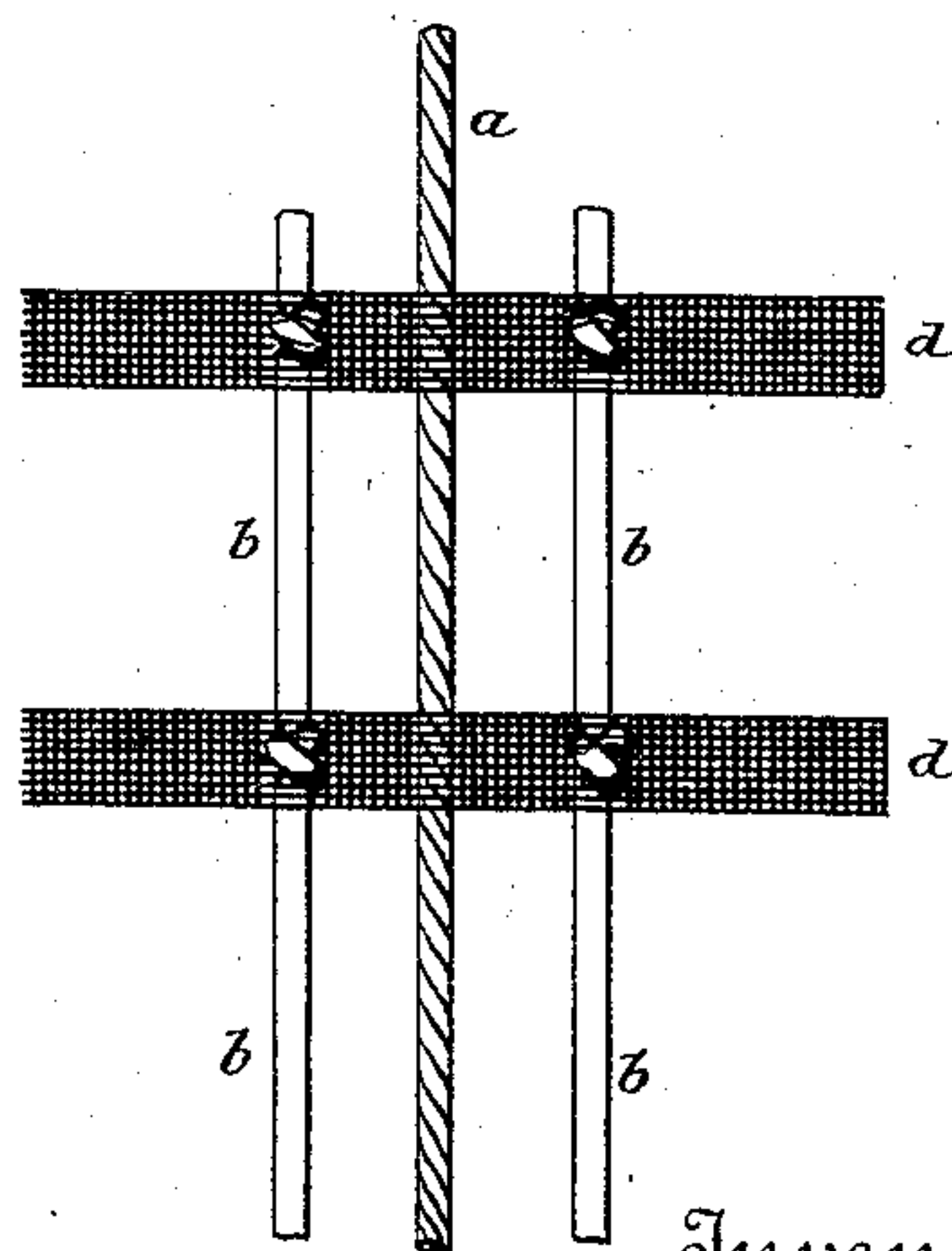


FIG. 3.



Witnesses
Harry Drury
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UNITED STATES PATENT OFFICE.

JAMES HAND, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO G. RALSTON AYRES, WILLIAM MONTGOMERY AYRES, AND LOUIS H. AYRES, ALL OF SAME PLACE.

HORSE-NET.

SPECIFICATION forming part of Letters Patent No. 370,617, dated September 27, 1887.

Application filed April 26, 1887. Serial No. 236,191. (No model.)

To all whom it may concern:

Be it known that I, JAMES HAND, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented certain
5 Improvements in Horse-Nets, of which the following is a specification.

My invention consists of an improvement on the horse-net forming the subject of John C. Ayres' patent, No. 228,019, dated May 25,
10 1880, the object of my invention being, mainly, to cheapen the net without detracting from its efficiency.

In the accompanying drawings, Figure 1 is a side view of a horse-net constructed in accordance with my invention; Fig. 2, an enlarged view of part of the same, and Fig. 3
15 a view showing a modification of part of the invention.

The net forming the subject of the patent
20 above alluded to was composed of longitudinal textile tapes, or, as they are termed in the trade, "bars," and transverse strips of leather, usually termed "cords," these strips being interwoven with said bars where they crossed
25 the same, the leather cords being employed because their loose pendent ends formed lashes which would not become entangled, and the longitudinal textile bars being used because such use facilitated the manufacture and reduced the cost of the net as compared with
30 one having longitudinal leather bars to which the transverse cords were knotted. Each of the transverse cords of the patented net was, however, composed of one piece of leather,
35 and owing to their length the cost of these cords constituted by far the greater part of the entire cost of the net.

In carrying out my present invention, therefore, I discard the use of leather for the transverse cords of the net, and use leather only
40 for the lashes *b*, the cord *a* being made of textile fiber, and being interwoven with the longitudinal bars *d* of the net in the same manner as the leather cord formerly employed.
45 The textile cord *a* is, however, of such length that its ends project but a short distance beyond the lower bars, *d*, of the net, so that there is no chance of entanglement of these ends, especially as they are, by preference,
50 provided with metal tips *f*.

The lashes *b* consist of strips of leather each looped so as to form two lashes, one limb of the loop being interwoven with the lower bar, *d*, on one side of the cord *a*, and the other limb being interwoven with the bar
55 on the other side of the said cord, as shown in Fig. 2.

The textile cord *a* is much cheaper than a corresponding length of leather strip, and the short strips for the lashes *b* can be made of
60 scrap or waste leather; hence a net made in accordance with my invention is much cheaper than one made according to the patent above referred to.

A narrow textile tape or band may replace
65 the twisted strands of the cord *a*, and such tape or band is considered the equivalent of the construction shown, although the latter is preferred.

Each lash may, if desired, consist of a
70 separate strip interwoven with one or more of the bars *d*, as shown in Fig. 3, for instance, the strip being knotted for engagement with the threads of the bar or bars, so as to prevent displacement or removal of the lash.
75

Rubber or rubber-coated strips or other equivalents of leather may, if desired, be substituted for leather in making the lashes, although the use of leather is preferred.

I claim as my invention—

1. The combination, in a horse-net, of the longitudinal textile bars with transverse textile cords interwoven therewith, and lashes of leather or like material independent of
80 said cords and interwoven with the lower bars only, all substantially as specified.

2. The combination, in a horse-net, of the longitudinal textile bars, transverse cords interwoven therewith, and loops of leather or like material interwoven with the lower bars
90 only and forming lashes, all substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JAMES HAND.

Witnesses:

WILLIAM D. CONNER,
HARRY SMITH.