

H. S. CROMBIE.
 DEVICE FOR SUPPORTING HIDES.
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936,522.

Patented Oct. 12, 1909.

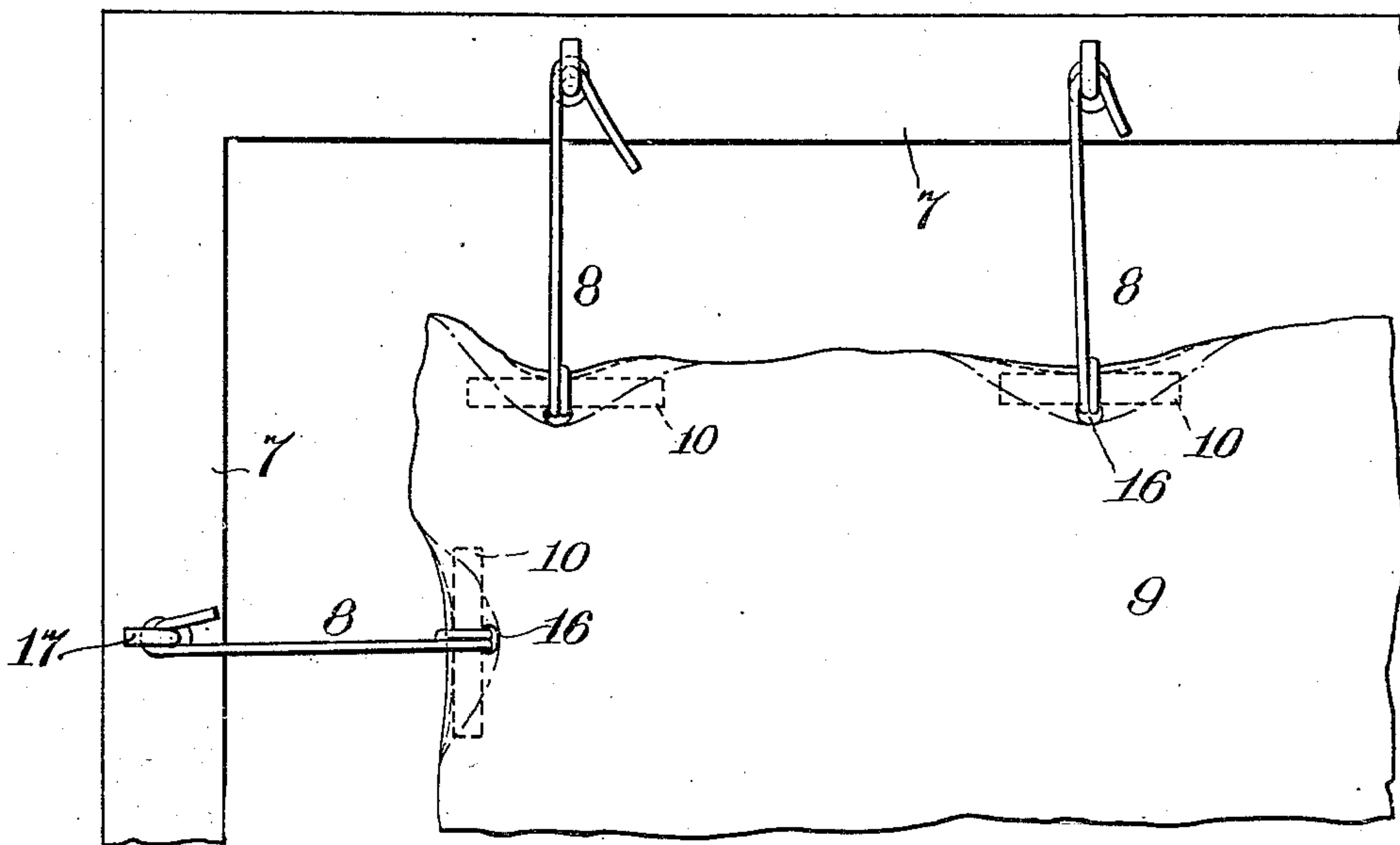


Fig. 1.

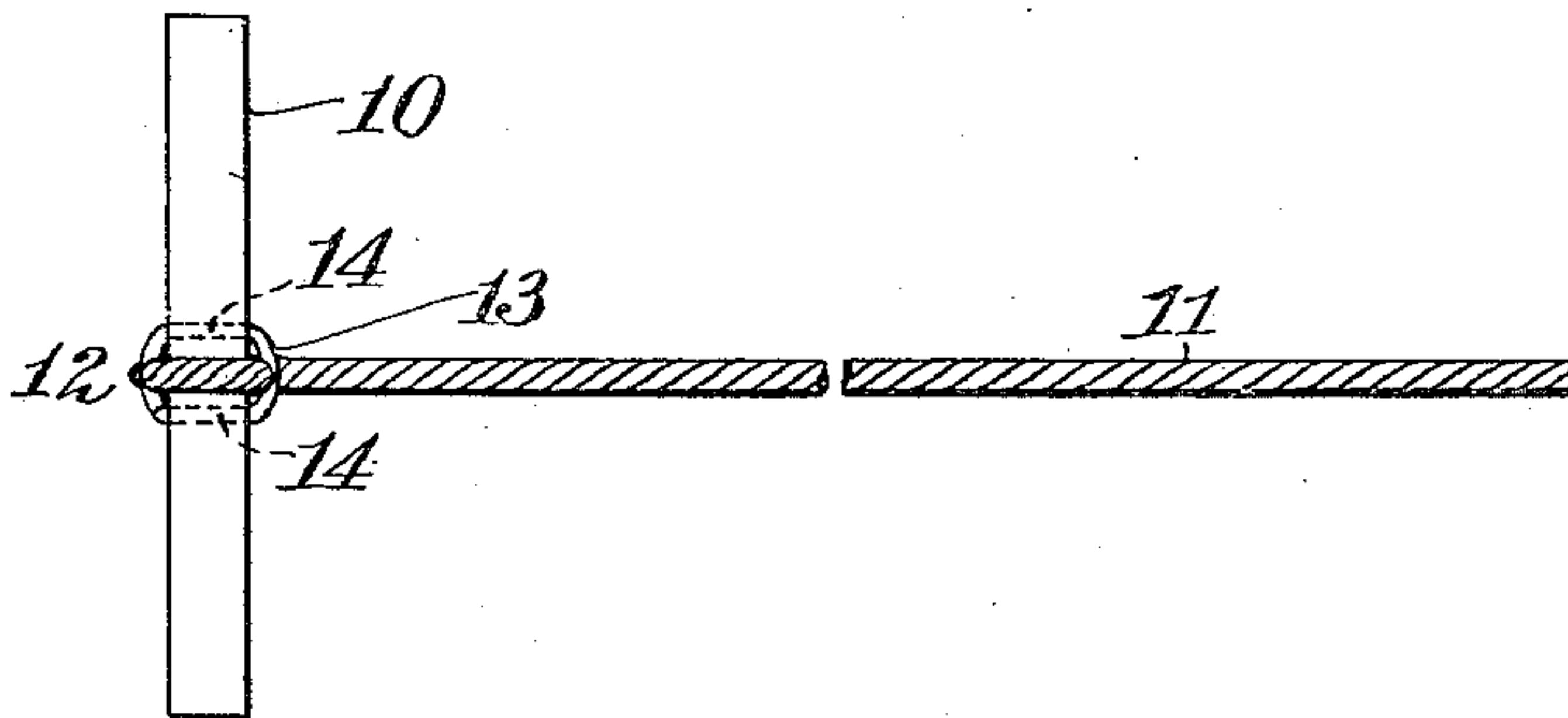


Fig. 2.

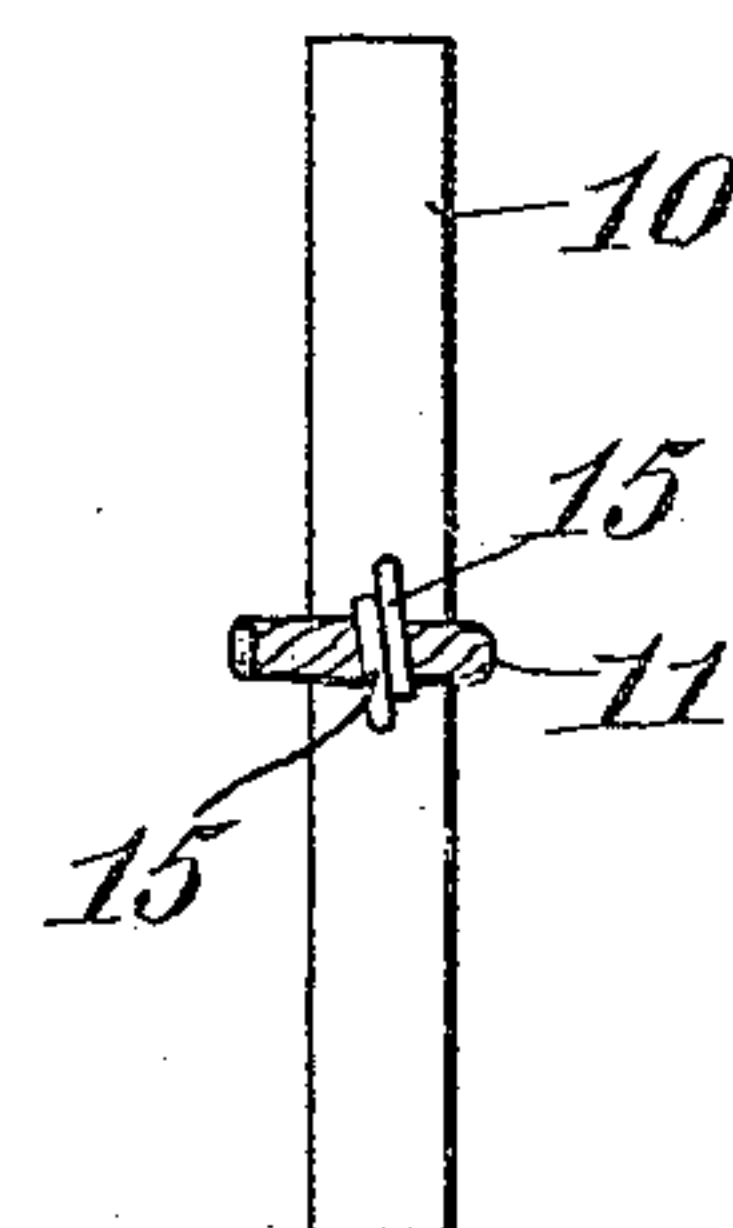


Fig. 3.

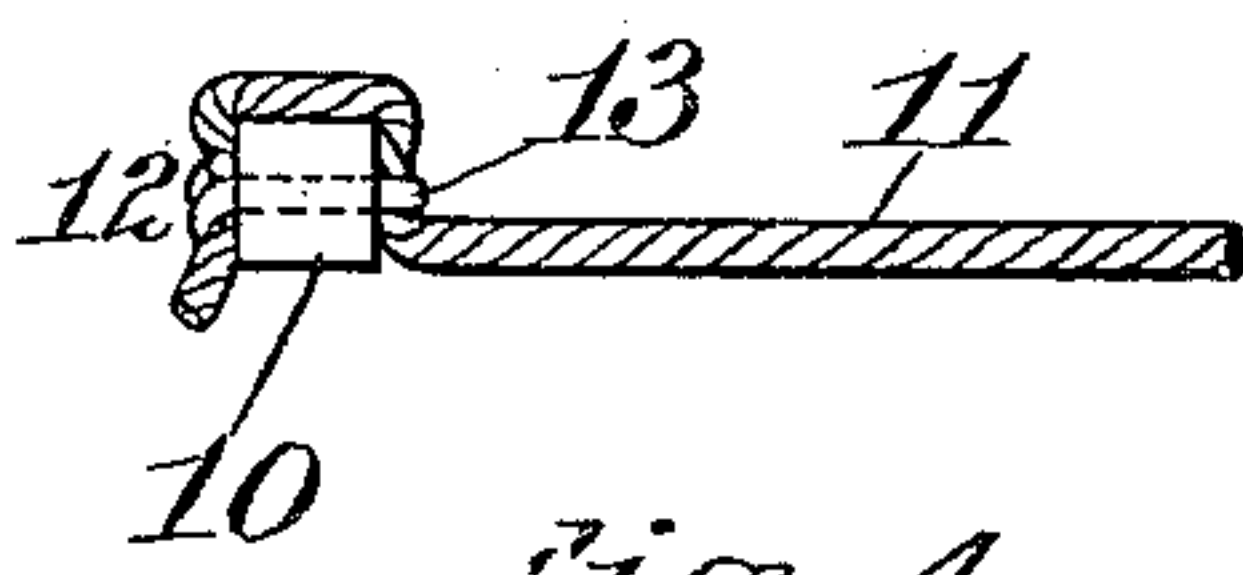


Fig. 4.

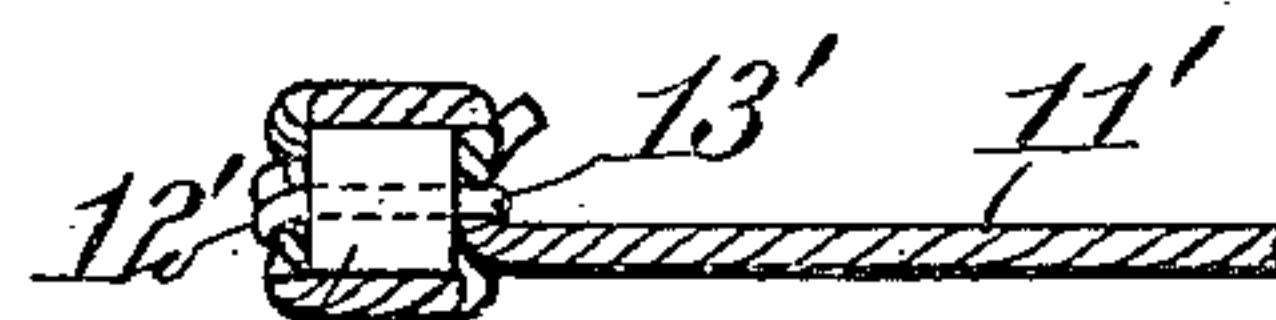


Fig. 5.

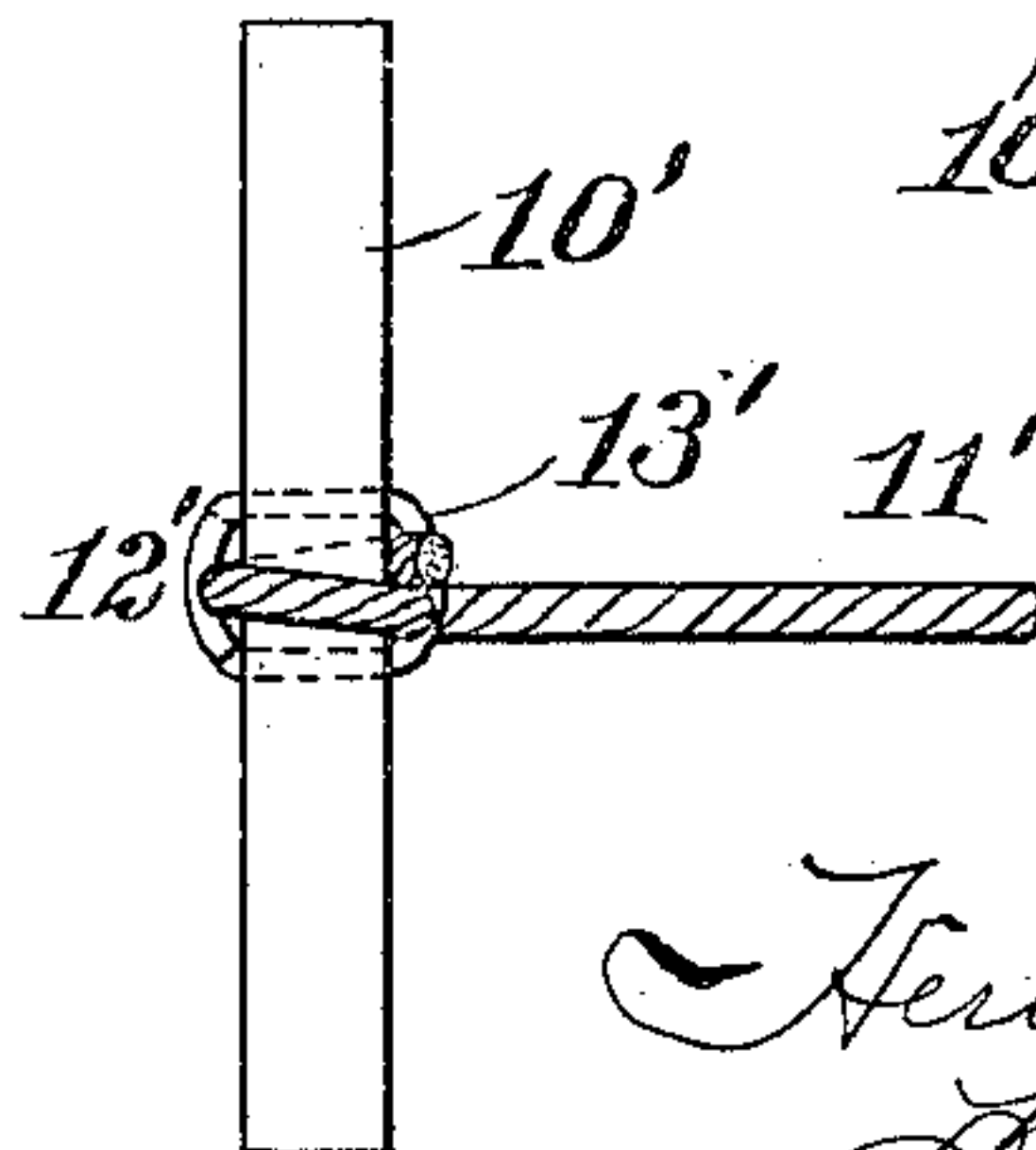


Fig. 6.

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UNITED STATES PATENT OFFICE.

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DEVICE FOR SUPPORTING HIDES.

936,522.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HERBERT S. CROMBIE, a citizen of the United States, residing at Woburn, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Devices for Supporting Hides, (Case A,) of which the following is a specification.

This invention relates to a device for supporting hides, particularly hides which have been coated with a patent leather preparation and which it is desired to have dry in the open air.

The object of the invention is to provide a device of the character set forth which can be manufactured very cheaply and which can be readily attached to the edges of the hide which is to be dried and which can also be attached to a frame so as to support and stretch the hide out horizontally during the drying of the patent leather preparation in the open air.

The device of my invention, in its preferred form, consists of a bar formed preferably of wood with a cord attached thereto by suitable fastening means. In the use of the device, the preparation which is used for coating the hides has such an effect upon the cords that they become rotted and useless after having been used once or twice, therefore these devices have to be thrown away after having been used once or twice and consequently it is very essential that the device should be not only made of cheap material but that it should be capable of being manufactured rapidly by machinery in order to reduce the cost to a point where the same may be used without increase of cost of the manufacture of the patent leather to an appreciable degree.

The invention consists of a bar with a cord extending transversely thereof and suitable fastening means extending through the bar and extending across and in contact with said cord on opposite sides of the bar, whereby the cord is securely fastened to the bar and said bar, when made of wood, is prevented by the cord from splitting.

The invention consists of the device described in the following specification and particularly of the combination of parts set forth in the claim.

Referring to the drawings: Figure 1 is a plan view of a portion of a drying frame, a portion of a hide to be dried thereon and several of the devices of my invention con-

nected to said hide and frame. Fig. 2 is an enlarged plan view of one of my improved devices hereinafter named "toggles". Fig. 3 is a side view as viewed from the left of Fig. 2. Fig. 4 is an end view of the same. Fig. 5 is an end view of a modified form of my invention and Fig. 6 is a plan of the same.

Like numerals refer to like parts throughout the several views of the drawings.

In the drawings, 7 is a drying frame of any suitable construction and 8, 8, 8, are toggles constructed in accordance with my invention.

9 is a hide of patent leather.

In the form of my invention illustrated in Figs. 2 3 and 4 there is a bar 10 preferably of wood and a cord 11 which extends around three sides of said bar transversely thereof; said cord is fastened securely to the bar 10 by a staple 12. The closed end 13 of the staple 12 extends across the cord 11 on one side of said bar and the legs 14, 14 of said staple project through the bar 10 to the opposite side of said bar where they are clenched at 15, 15 across the cord 11. It will be seen that by this construction the cord is firmly secured to the bar 10 and in pulling upon the cord 11 the same has to pull around the corners of the bar 10 and is held by this arrangement as well as by the staple, from becoming detached from the bar when the cord is under the tension of the hide 9 to which it is attached.

In Figs. 5 and 6 I have illustrated a modified form of my invention in which the cord 11' extends entirely around the bar 10' and is fastened thereto by a staple 12' which engages the cord on one side of the bar 10' at its closed end 13' and the legs 14', 14' of which extend through the bar and on the opposite side of said bar are turned over or clenched to engage the cord again. It will be seen by reference to Fig. 5 that the closed end of the staple 12' engages the body portion of the cord and also the free end of said cord while in the form of my invention illustrated in Fig. 4 the closed end of the staple engages the body portion of the cord and the clenched ends of the legs of the staple engage the free end of said cord. Both of these forms are, however, similar in that the cord extends around a plurality of sides of the bar and is fastened by the staple to the bar in a similar manner.

In using my improved device for sup-

porting hides, the hides are punched with holes 16, 16. The cord 11 is passed upwardly through said holes then around the edge of the hide and bar, underneath the
5 same and upwardly through the hole 16 again. The said cord is then carried to a hook 17 to which it is secured by a suitable bight or knot. When the patent leather preparation has dried the hides are detached
10 from the toggles by cutting the same, as for instance, along the broken and dotted lines, Fig. 1.

It will be noted that by the particular manner in which the cord 11 is attached to
15 the bar 10, as hereinbefore described, when said bar is made of wood and it is desired to make the same by machinery, the staple performs the function of securely attaching the cord to the bar and the cord performs the
20 function, not only of enabling the bar to be attached to a hide, but also that portion of the cord which extends around the bar prevents said bar from splitting when the staple is driven therethrough by machinery,
25 and, as before stated, it is essential, in order that the device should be manufactured cheaply enough to be of any practical value and so that the same may be placed upon the market, that the same should be manu-
30 factured by machinery and that wood should be used in the manufacture of the bar. Therefore, the article as produced is not only strong, cheap and durable, but it can be produced by the aid of automatic ma-
35 chinery, the staple and the cord each performing its respective function, as herein-

before set forth, to render the completed device strong and durable.

It will be noted that the cord extending around three sides of the bar of wood forms
40 a cushion between the ends of the legs of the staple when they are being clenched to the wood, thus preventing the splitting of the wood, which certainly occurs without such a cushion, or would occur if a hard
45 piece of metal, like a wire, were inserted between the ends of the legs of the staple and the wood, so that the cord not only performs the function of holding the wood to-
50 gether, so that the same will not split when said cord is wrapped around three sides of the bar, but also, in addition to this holding function of the cord, the same performs the function of a cushion to prevent the legs
55 splitting the wood when they are being clenched therein.

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

A device of the character described, con-
60 sisting of a bar, a cord extending transversely thereof, and fastening means extending through said bar and extending across and in contact with said cord on
65 opposite sides of said bar.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

HERBERT S. CROMBIE.

Witnesses:

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DANIEL A. ROLLINS.