

J. BILLMYER.
COMBINED HARNESS HANGER AND STRETCHER.
APPLICATION FILED SEPT. 17, 1908.

914,548.

Patented Mar. 9, 1909.
2 SHEETS—SHEET 1.

Fig. 1.

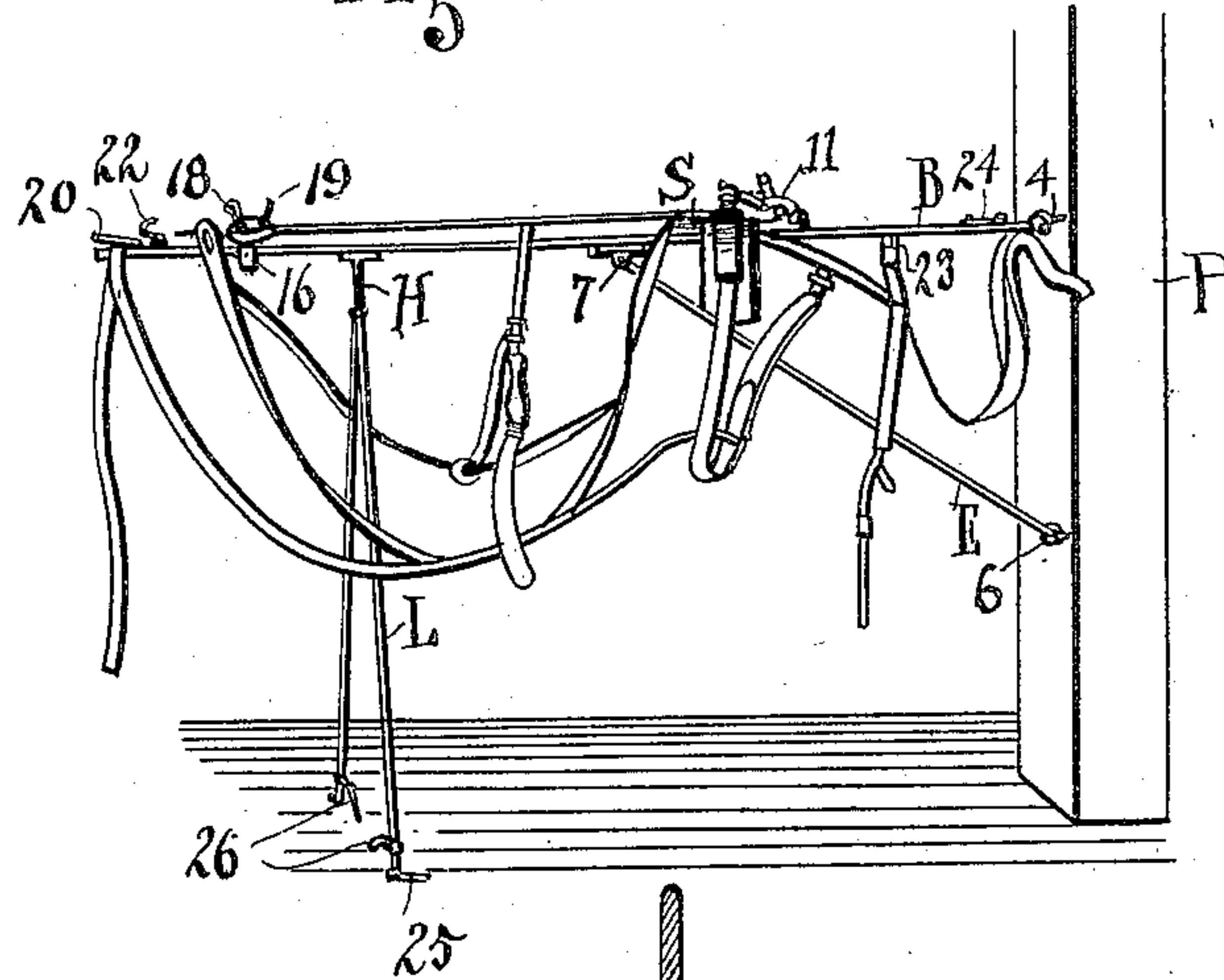


Fig. 2.

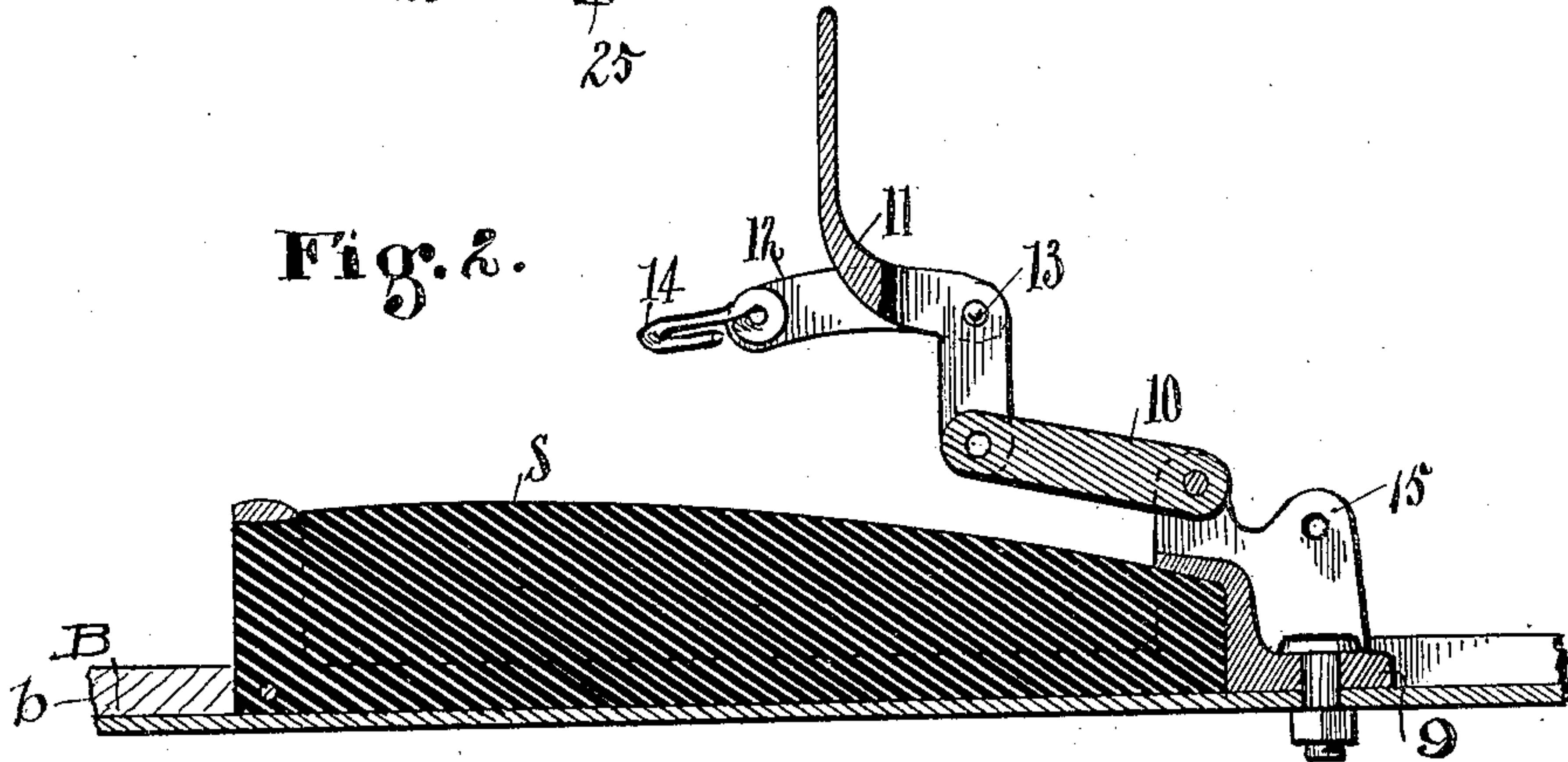
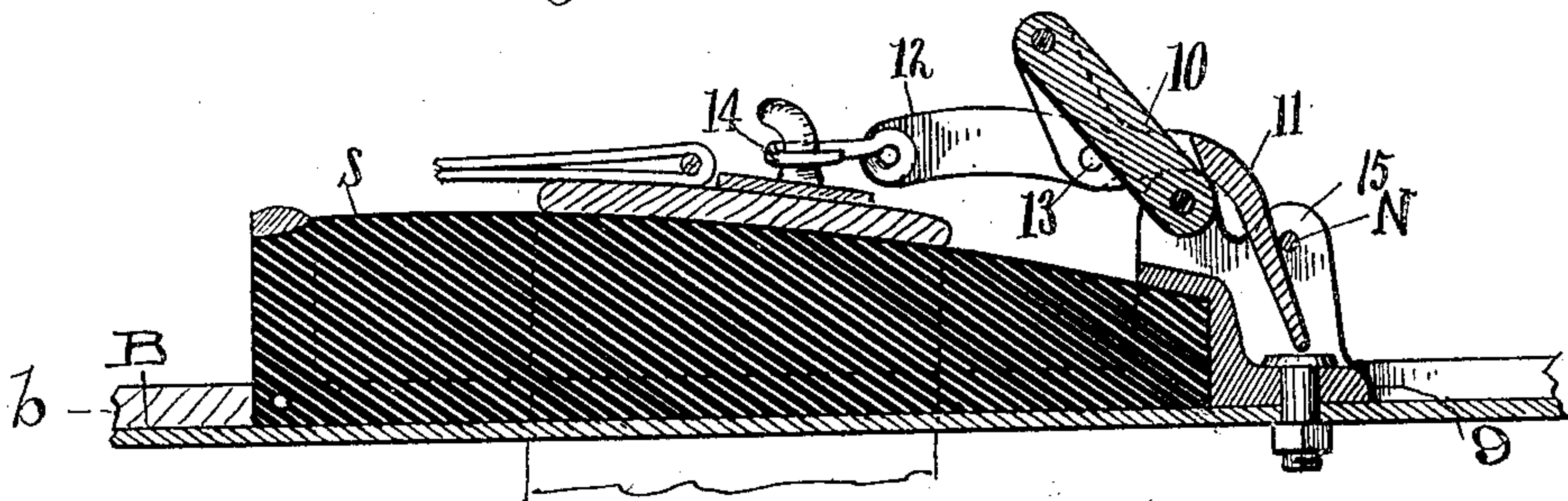


Fig. 3.



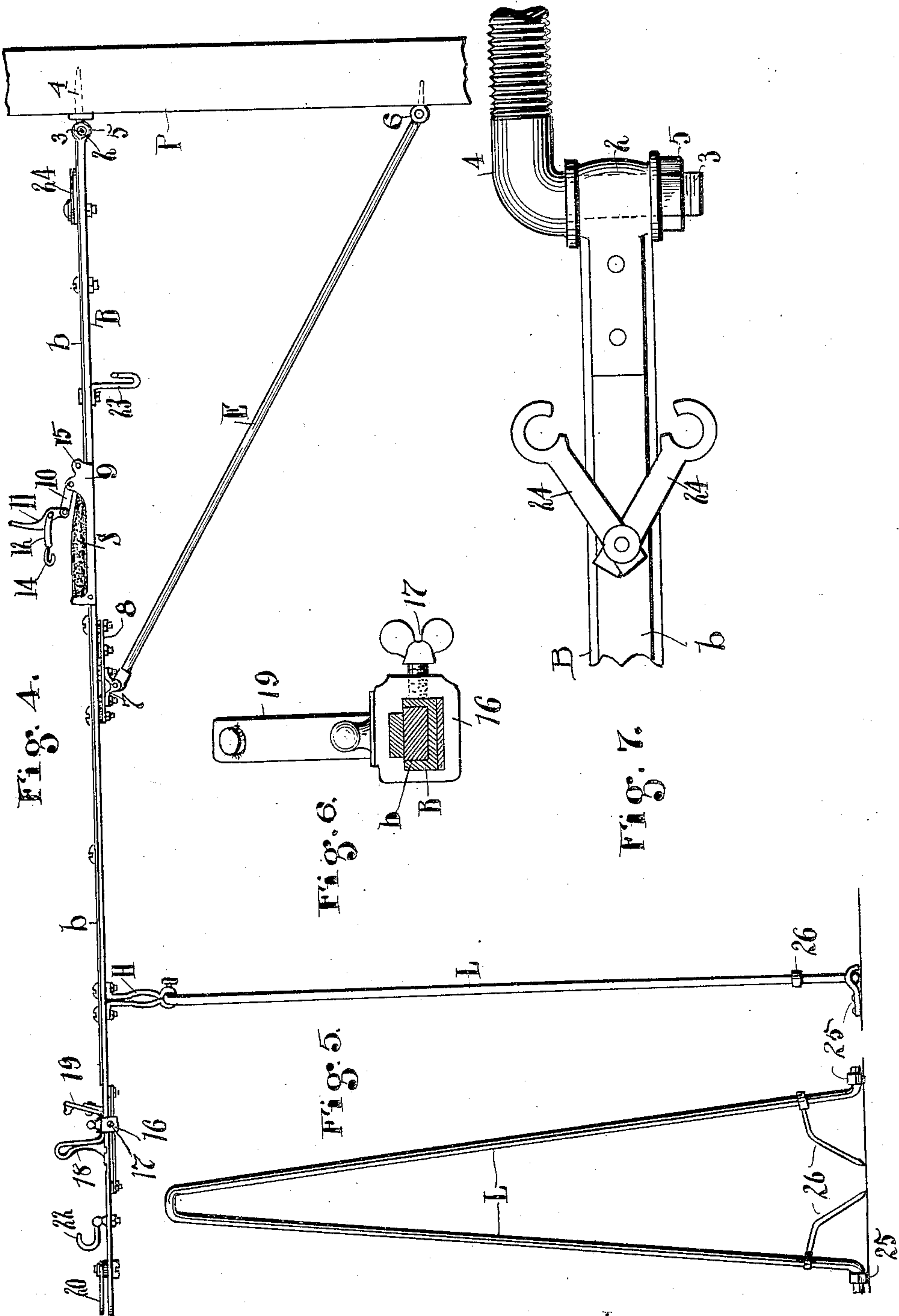
ATTEST
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INVENTOR
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UNITED STATES PATENT OFFICE.

JOHN BILLMYER, OF ELYRIA, OHIO.

COMBINED HARNESS HANGER AND STRETCHER.

No. 914,548.

Specification of Letters Patent.

Patented March 9, 1909.

Application filed September 17, 1908. Serial No. 453,406.

To all whom it may concern:

Be it known that I, JOHN BILLMYER, a citizen of the United States, residing at Elyria, in the county of Lorain and State of Ohio, have invented certain new and useful Improvements in a Combined Harness Hanger and Stretcher, and do declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in a combined harness hanger and stretcher, and the invention consists in a device for hanging and stretching harness so as to make the harness accessible for easy cleansing and dressing, all substantially as shown and described and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of the device with harness displayed thereon, and Fig. 2 is an enlarged sectional elevation of the saddle portion of the device as hereinafter more fully described. Fig. 3 is a side elevation of Fig. 2 showing the parts disclosed in Fig. 2 folded. Fig. 4 is an enlarged side elevation of the saddle portion of the device without the harness. Fig. 5 is an elevation of the rear support, and Fig. 6 is an enlarged cross section next to block 16, Fig. 4 and looking to the left. Fig. 7 is a plan view of the front portion of the device.

The object and construction of the invention are alike apparent from the drawings, and comprise a suitable bar B, which is provided with an eye 2 at one end adapted to engage on the right angled extremity 3 of securing bolt 4, engaged in a post or like support P so that the said bar sustains a folding relation to the post and upon which it is removably fixed by a nut 5. In fact the entire structure is of a folding character so as to get it out of the way when not in use. At its opposite end the said bar is supported from the floor by forked legs L preferably constructed from a rod bent at its middle to form said legs and pivotally swung from a hanger H, which is removably affixed to the said bar toward its outer end. The said legs and bolt 4 are arranged to support the device in a horizontal position, and a brace E extends at an angle from approximately the middle of bar B to post P in which it is secured by an eye bolt 6, the

end of the said brace being bent at right angles and extended laterally through the eye of said bolt so as to be easily removed therefrom. At its opposite end the said brace is pivotally engaged in a yoke 7, a plate 8 being affixed to the said bar B by bolts and supporting said yoke.

9 represents a frame equipped with a cushion S adapted to support the saddle of the harness, and means for stretching the harness are mounted upon said frame S and comprise a link 10 pivoted on the front of the said frame, a lever 11 pivoted on said link and toggle links 12 pivoted at 13 in the angle of lever 11 and carrying a hook 14 adapted to engage the bridle rein hook upon the harness. In operation, engagement of the said two hooks is first made and then the lever 11 is thrown forward and downward to bring the pivot angle 13 down below the point of its pivot on links 10, thus locking the lever down in engaging position and at the same time stretching the harness by a forward pull thereon. A nail or pin is also used to lock lever 11 down by inserting the same through eyes 15 in standard 9 bolted to bar B. In this connection it will be understood that the harness is secured further back on bar B by suitable means consisting in this instance in a block 16 adapted to slide on bar B and provided with a set screw 17 to fasten said block here and there upon said bar according to its adjustment thereon, and projections 18 and 19 are fixed in said block to slide therewith and are adapted to engage the crupper in one projection or the other according to the length thereof. Then at the outer end of the said bar there is provided a spur or projection 20 at its top beneath which a portion of the harness is adapted to be engaged and from which it hangs relatively as seen in Fig. 1, while the traces are hung upon a hook 22, or its equivalent. A hook 23 is also provided toward the front and bottom of bar B for supporting the breast strap of the harness, or other part, and a set of double hooks 24 are rotatably engaged on the top and front of bar B to engage other portions of the harness, said hooks being adapted to close one upon the other from the sides. Provision is thus made for holding up and more or less stretching and fastening the various parts of the harness in such position and manner that each and

every part is conveniently available for washing and dressing as hereinbefore described.

The legs L are bent at right angles at their lower ends and adapted to engage beneath clips or keepers 25 on the floor, and are provided with spurs 26 rotatably mounted thereon and adapted to engage in the floor to hold said ends in the clips.

Bar B is shown as made of channel iron filled with wood b and brace E is adapted to hold up the middle thereof especially.

What I claim is:—

1. In devices to support harness, a fixed support, a supporting bar hinged to fold thereon and pivotally mounted legs on the other end of said bar, a brace engaged with the middle of the bar at one end and with said fixed support at the other, a protecting support for the saddle of the harness on said bar, and means on said bar to stretch the harness thereon.

2. A harness support comprising a bar and a cushion thereon and a hook and toggle link mechanism to engage the saddle of the harness on said cushion, and a projection on said bar to engage the crupper of the harness, in combination with legs to support the said outer end of the bar and means to fasten the inner end thereof to a fixed support.

3. A support for harness comprising a bar and means thereon to secure harness consisting of a projection adapted to engage the crupper, a cushion frame and a cushion thereon near the middle of said bar, and a

pivoted lever and link and hook connections therewith adapted to engage the saddle of the harness and stretch the harness upon the bar.

4. A harness support comprising a bar, a cushion frame and cushion thereon and a lever and link and hook connections mounted on said cushion frame and adapted to stretch the harness, a projection adapted to engage the crupper of the harness and slidably mounted on said bar and a pivoted rest for the outer end of said bar.

5. A support for harness comprising a bar and means thereon for engaging and holding the harness comprising a saddle support and a lever and hook pivotally mounted thereon, a crupper support on the outer end of said bar, and a set of hooks mounted on said bar having a single pivot support and adapted to close one upon the other, said bar having folding supports, substantially as set forth.

6. A harness support comprising a bar and means thereon to affix and stretch harness, in combination with folding legs to support the outer end of said bar, said legs formed in a single piece and having their lower ends bent at right angles and rotatable spurs on said lower ends adapted to lock said legs in working position.

In testimony whereof I sign this specification in the presence of two witnesses.

JOHN BILLMYER.

Witnesses:

E. M. FISHER,
F. C. MUSSUN.