

(No Model.)

D. J. REGAN.
HARNESS TRIMMING.

No. 438,182.

Patented Oct. 14, 1890.

Fig. 1

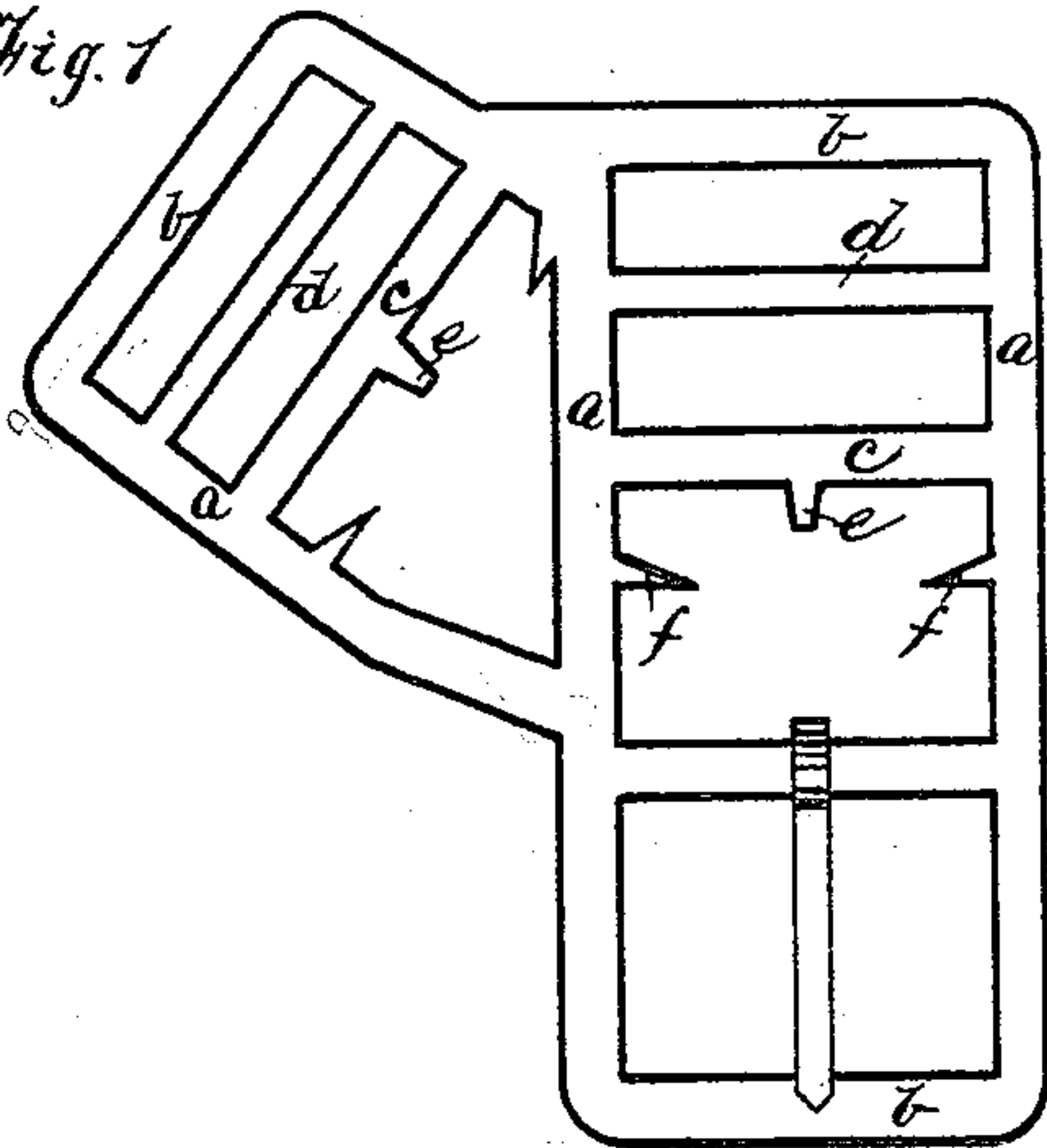


Fig. 2

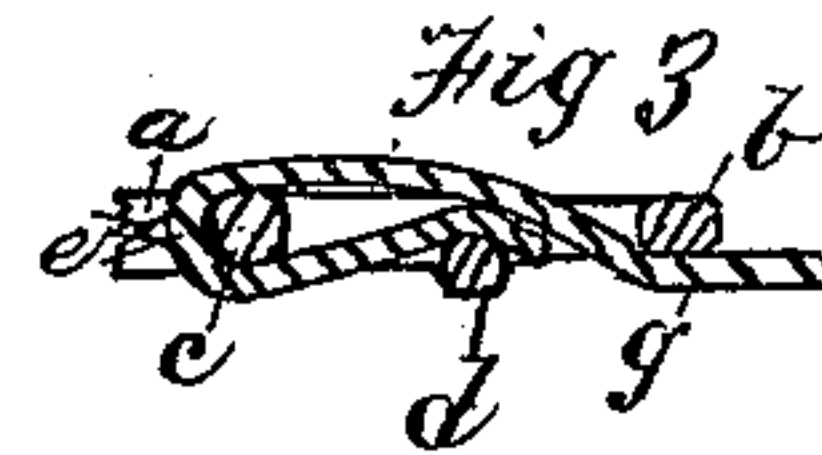
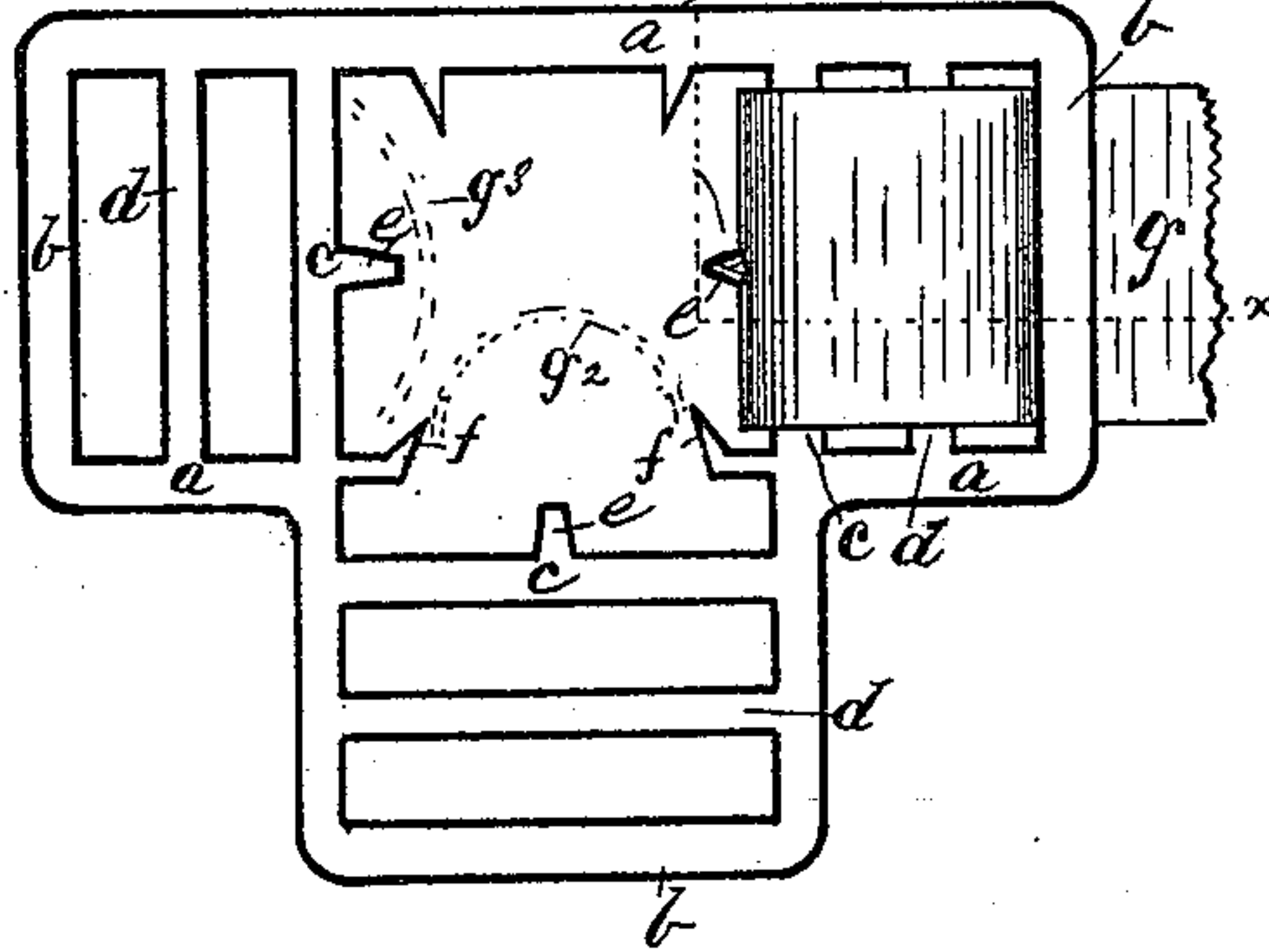


Fig. 4

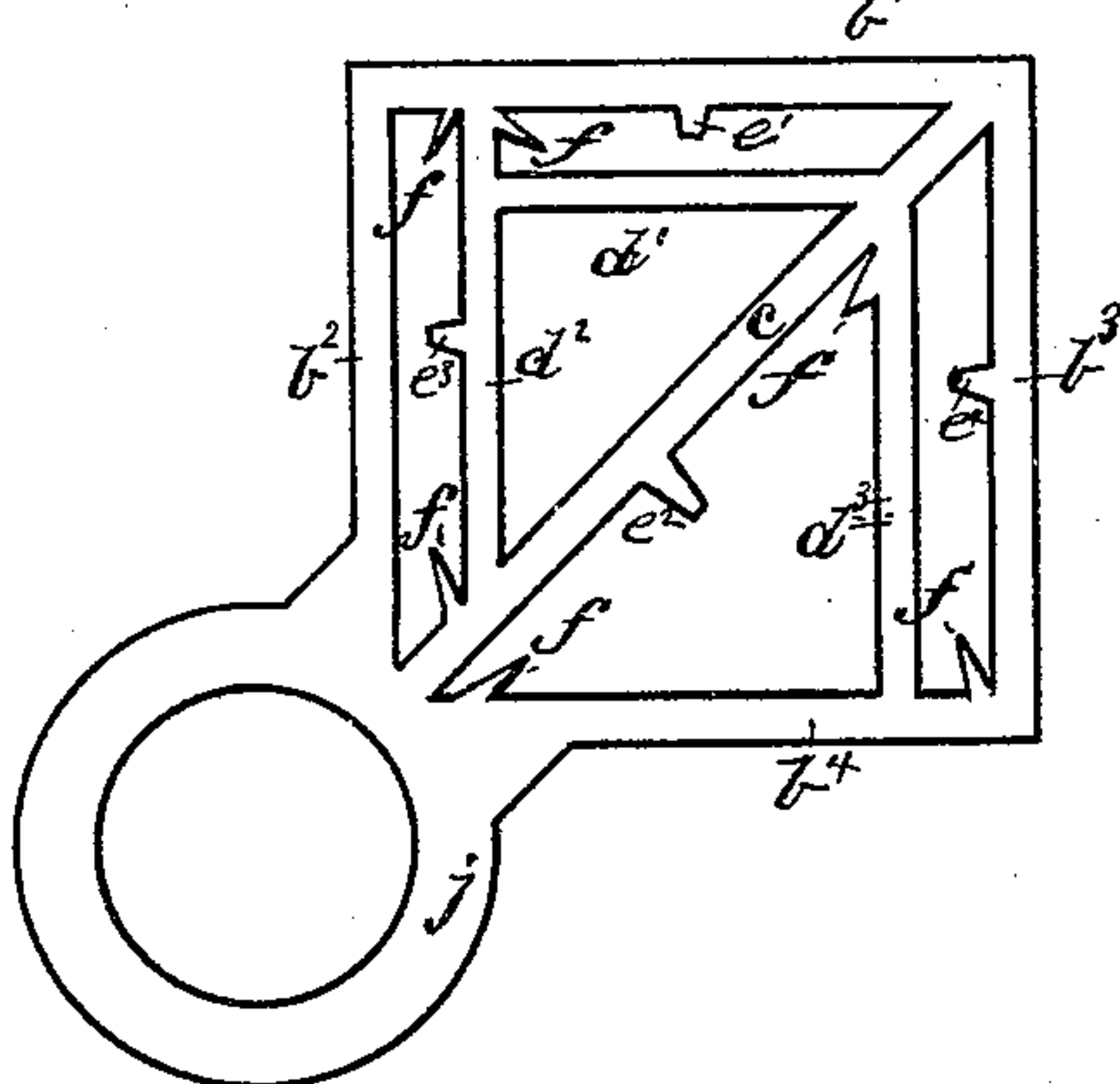
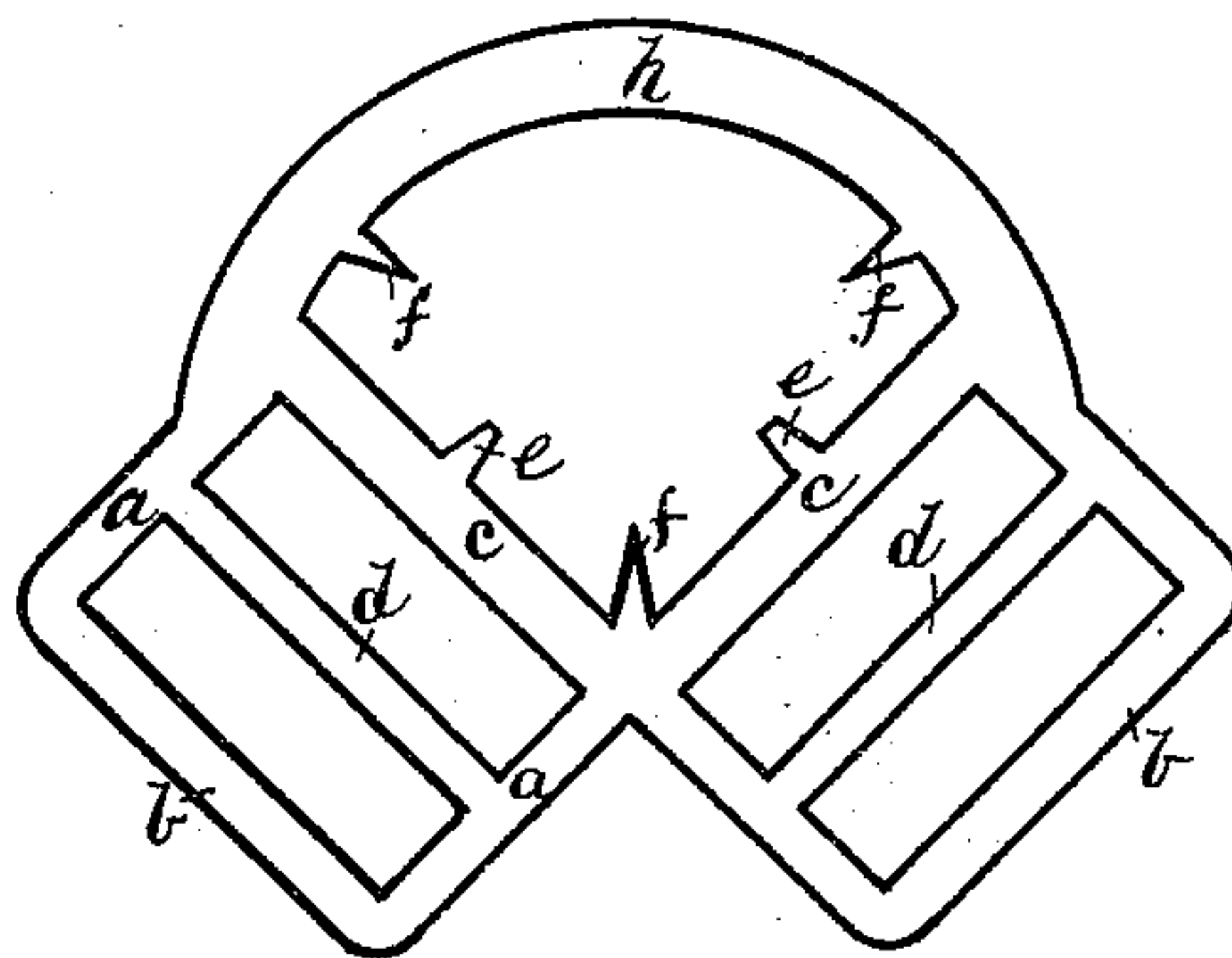


Fig. 5



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HARNESS-TRIMMING.

SPECIFICATION forming part of Letters Patent No. 438,182, dated October 14, 1890.

Application filed April 5, 1890. Serial No. 846,698. (No model.)

To all whom it may concern:

Be it known that I, DENNIS J. REGAN, a citizen of the United States of America, residing in Agawam, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Harness-Trimming, of which the following is a specification, reference being had to the accompanying drawings and letters of reference marked thereon, in which drawings,—

Figure 1 is a plan view of my strap-holding device, having a buckle made a part thereof. Fig. 2 is a like view of a similar device adapted for holding three straps and without the employment of a buckle. Fig. 3 is a side sectional view taken on line *xx* of Fig. 2. Fig. 4 is a plan view of a trimming adapted for use in the manufacture of halters, and is especially designed to be employed where the direction of the strap is to be changed; and Fig. 5 is a plan view of a strap-holding device provided with a ring and adapted for the receiving of two straps.

In detail, *a* indicates the side rails or bars of the frame; *b*, the end rails or bars; *c*, spur-holding bars lying parallel with the end bars; *d*, intermediate bars; *e*, spurs mounted on said spur-holding bars; *f*, spurs or lips arranged at the sides of the strap-receiving opening, and *g* straps.

The object of my invention is to provide a simple and convenient harness-trimming by which straps may be united readily and conveniently, thus doing away largely with the employment of buckles or any of the old-style devices; and my invention consists in the construction herein pointed out.

The construction and operation will be more readily understood by reference to the drawings, wherein is shown in Fig. 1 my device adapted for the holding of two straps, and the frame being provided, also, with a buckle of the usual construction, all being made integral. This device is adapted for the holding of straps which are to be united or held in position at an angle with each other. The intermediate bars *d* are set lower than the bars *b* and *c*, and in the attachment of the strap the end is passed under the bar *b*, over the bar *d*, over the bar *c*, and thence downward between the spurs or lips *f* and the bar *c*, the spur *e* passing through an opening in the strap,

and the end of the strap is then carried over the bar *d*, so that the end will rest between the upper surface of the bar *d* and the lower surface of the strap, as illustrated in Fig. 3. Thus it will be seen that the more strain placed upon the strap the more tightly will the end be bound between the strap and the bar *d*, and thus fasten it more securely in position, and thus preventing the escape of the end and overcoming all danger of the strap becoming loosened from the device.

In Fig. 2 I illustrate a device wherein three straps may be united, two of which will be in line with each other and the third of which will be at right angles with the other two. The method of attaching the straps in this device is the same as before described.

In Fig. 4 I illustrate a device more especially adapted for use in the manufacture of halters and in the application of the strap. It is first passed over the outer bar *b'*, under bar *d'*, then up over the bar *c*, and then over the bar *d''*, thence carried downward and under the whole to the right and upward over the bar *b''*, thus forming a right angle and engaging the spurs at four different points in its passage, permanently fixing the same in place. This device is provided with a ring *i*, integral with the remainder of the frame, for the engagement of a snap-hook therewith, and in Fig. 5 is shown a device for holding straps which stand at an angle of about forty-five degrees to each other, and provided, also, with a ring or loop *h*, wherein a rope or snap-hook may be conveniently attached.

It will be readily seen that very many other harness-trimmings may be constructed wherein the same principle or construction employed by me, as herein shown, may be utilized, and I do not therefore limit myself to the application of my invention to these trimmings alone.

The office of the overhanging lips *f* is to prevent the strap springing or being forced away from the spur *e*, and in placing the strap in position it may be first carried to the clear opening beyond the spurs *f* and then bent or sprung in the position shown in the dotted lines at *g''* in Fig. 2, the side edges being carried near enough to each other to permit the passage of the strap between the lips *f*, it then being forced down so that the edges pass under the lips *f*, and the spur *e* enters the opening

in the strap, at which time it occupies the position shown in Fig. 2 at g^3 . The strap-holding spurs e preferably lie parallel with the plane of the face of the device.

5 I am aware that buckles have heretofore been made having spurs projecting in curved lines, and I make no claim to such construction, as with my device the spurs have straight, taper, or parallel sides, and the center lines
10 thereof lie parallel with the plane of the frame, thus simplifying the construction and making a device of less thickness.

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

1. A harness-trimming composed of a frame a , having cross-bars to which straps may be attached, in combination with a spur-bar c , having spur e , and a depressed bar d , arranged

between the spur-bar c and the end of the 20 frame, and lips f , projecting inwardly and arranged parallel with the plane of the frame, as shown, substantially as and for the purposes stated.

2. A harness-trimming adapted for the hold- 25 ing of two or more straps and consisting of a frame having cross-bars to which straps may be attached, and provided with spur-bars c , having spurs e , in combination with the over-
30 hanging lips f and intermediate bar d , all being made integral, and said lips and spurs lying parallel with the plane of the frame, substantially as and for the purposes stated.

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Witnesses:

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