

(No Model.)

D. J. REGAN.  
HARNESS TRIMMING.

No. 390,096.

Patented Sept. 25, 1888.

Fig. 1.

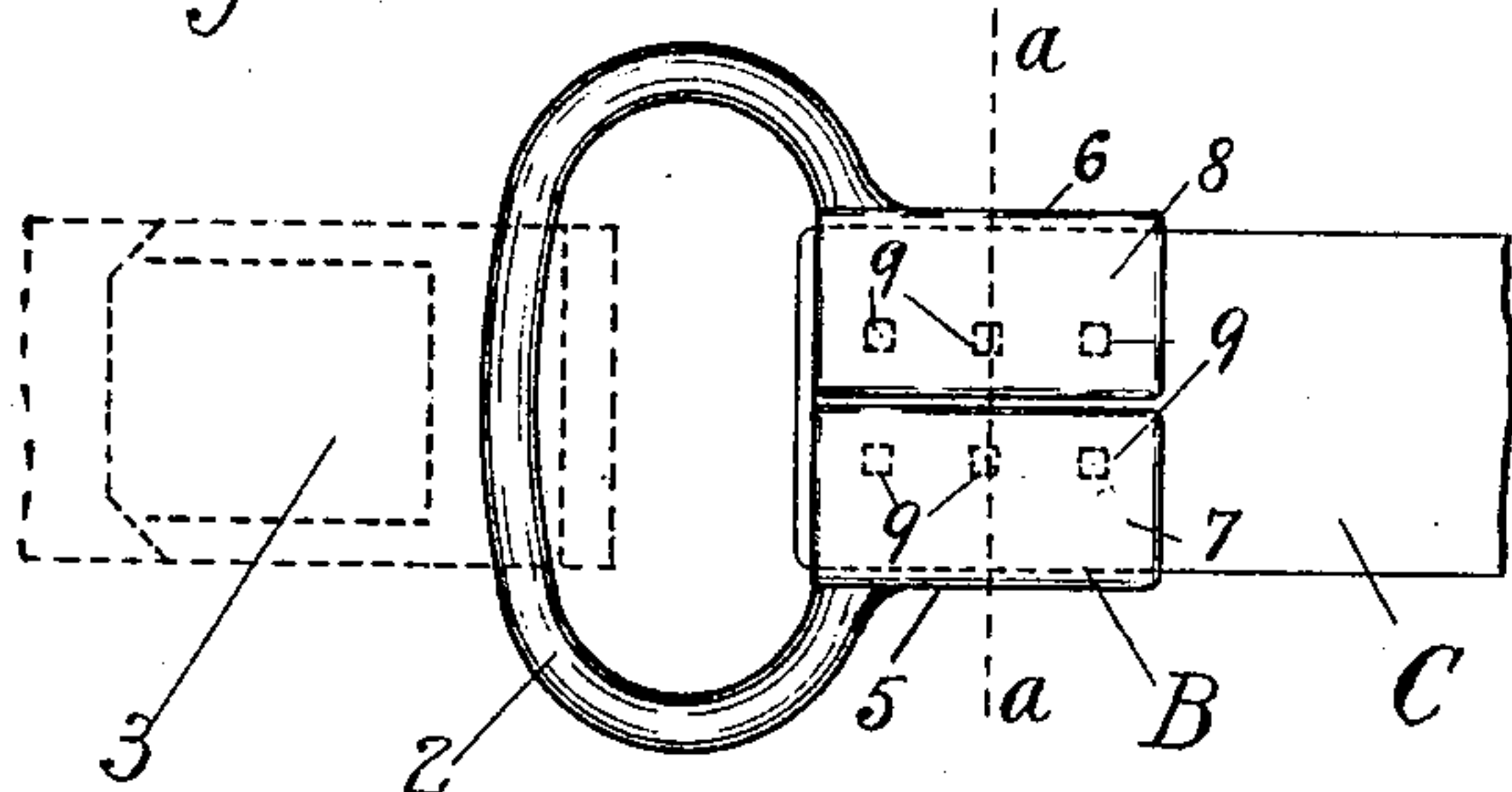


Fig. 2.

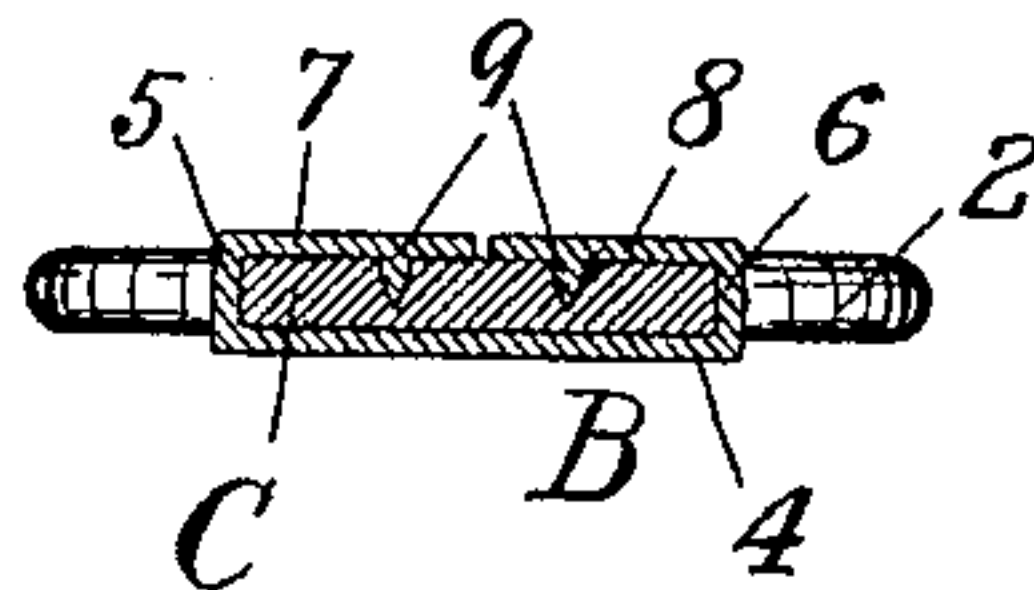


Fig. 2<sup>a</sup>

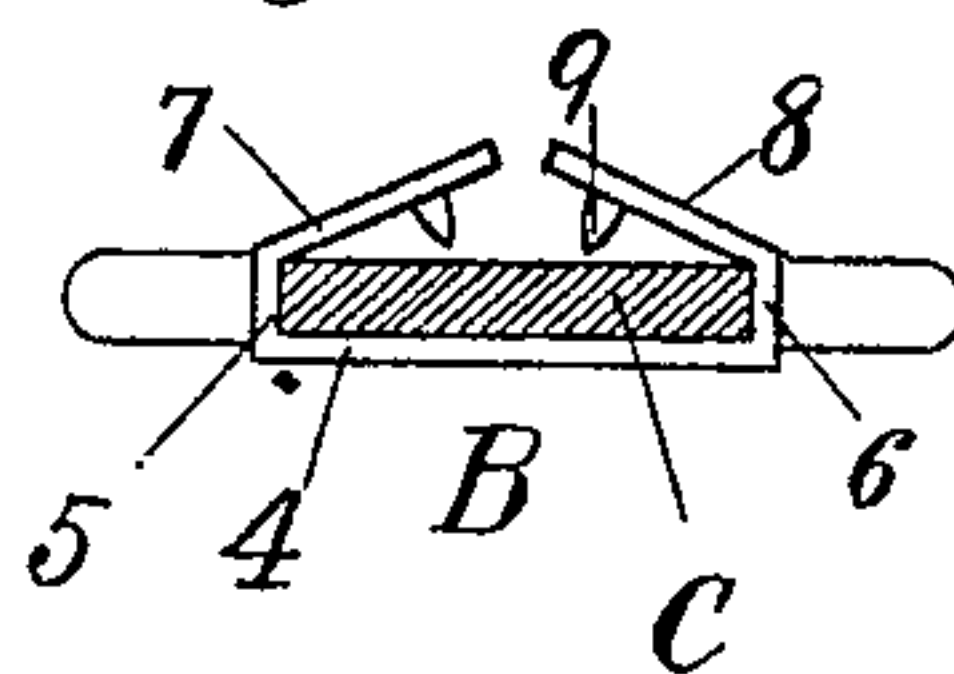


Fig. 3.

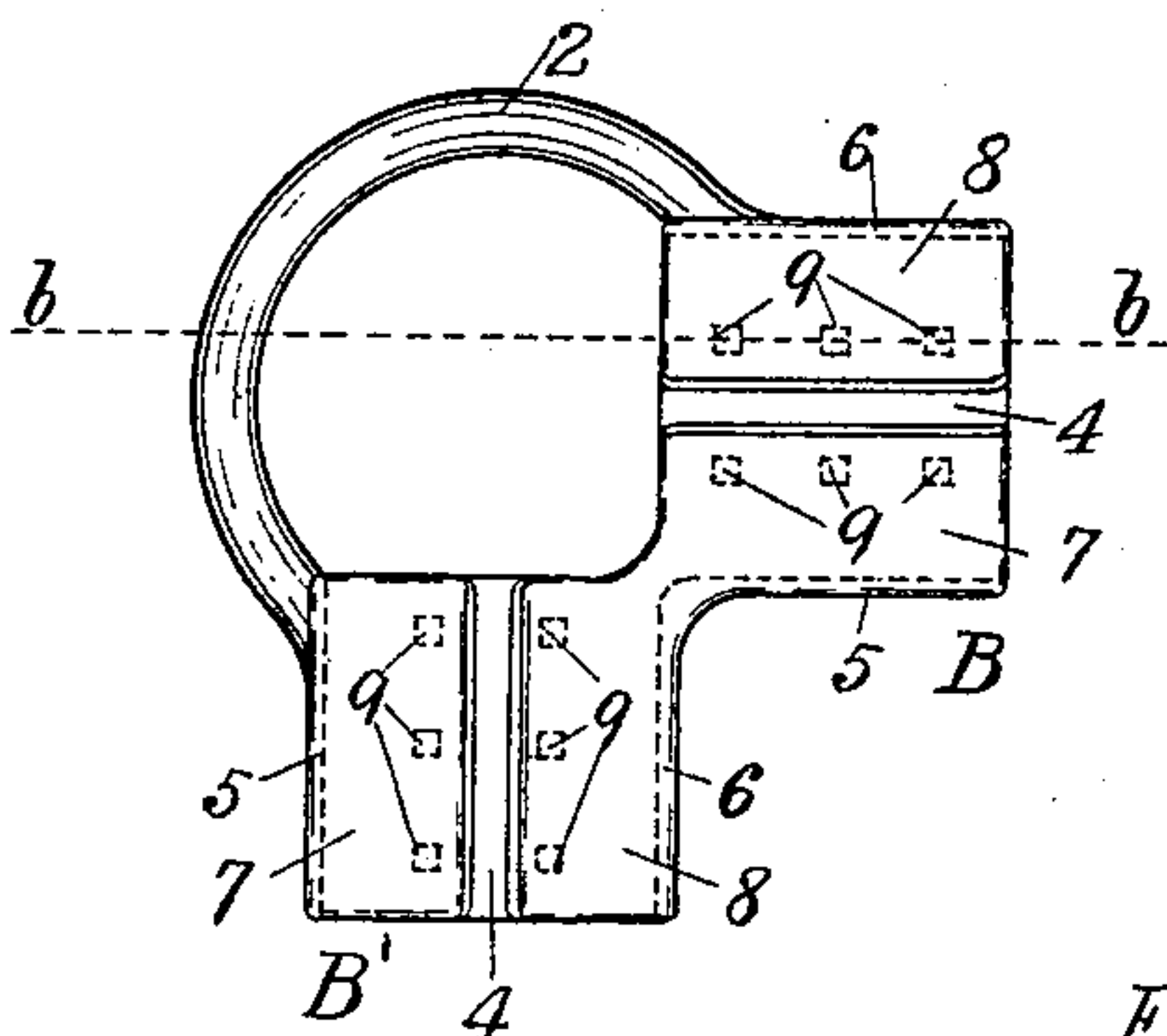


Fig. 4.

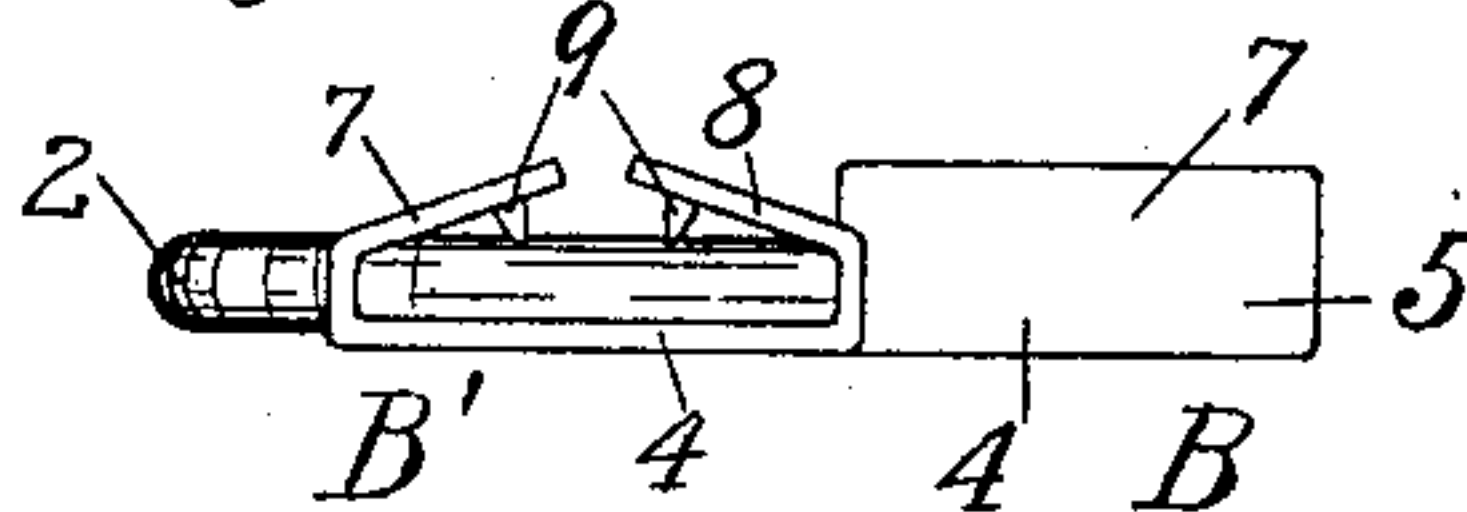


Fig. 5.

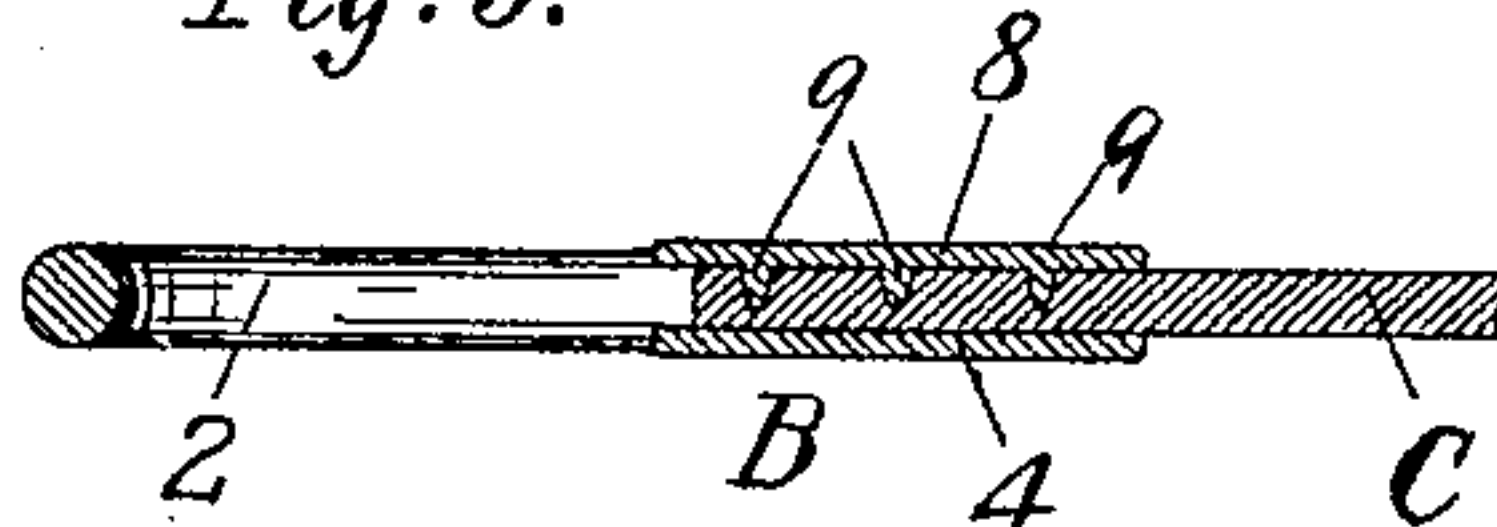


Fig. 6.

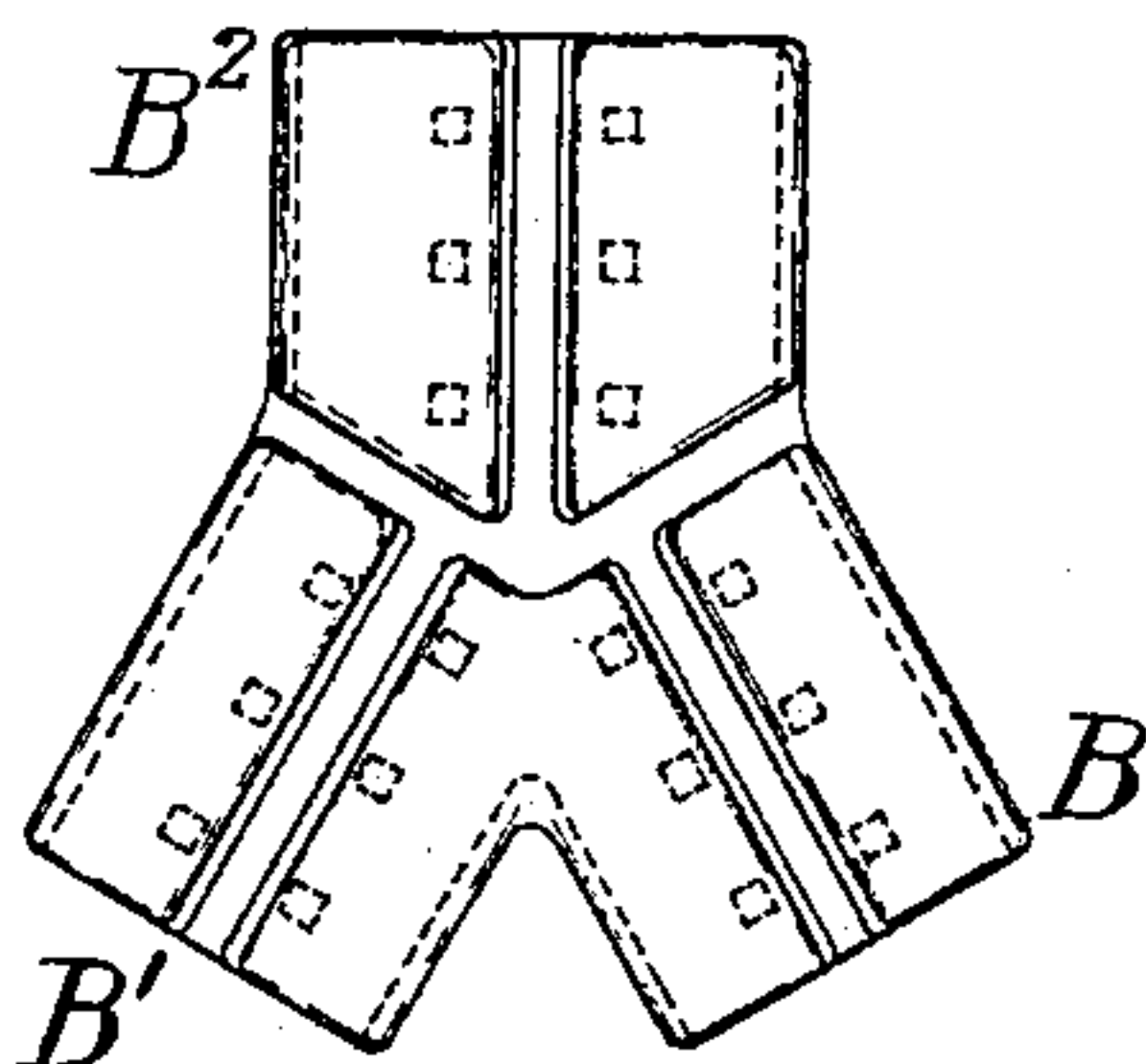
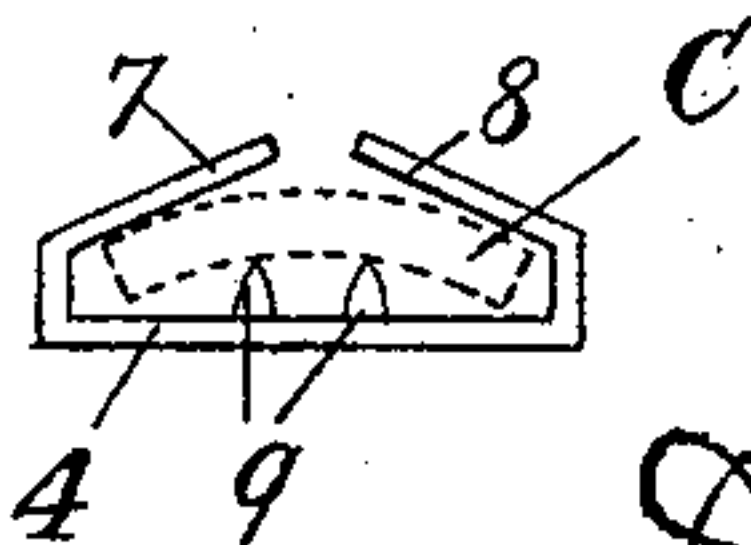


Fig. 7.



Fig. 8.



Witnesses:

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By his Attorney,  
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# UNITED STATES PATENT OFFICE.

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## HARNESS-TRIMMING.

SPECIFICATION forming part of Letters Patent No. 390,096, dated September 25, 1888.

Application filed February 3, 1888. Serial No. 262,851. (No model.)

*To all whom it may concern:*

Be it known that I, DENNIS J. REGAN, a citizen of the United States, residing in the town of Agawam, in the county of Hampden and State of Massachusetts, have invented certain new and useful Improvements in Harness-Trim-  
mings, of which the following is a specification.

This improvement unites by means of a malleable strap-socket one strap with one or more other straps, and it is especially adapted for use in harness-making.

In the drawings accompanying and forming a part of this specification, Figure 1 is a plan view of a fastening or harness-trimming embodying my invention, and having one strap fastened thereinto. Fig. 2 is a cross-sectional view in line *a a*, Fig. 1. Fig. 2<sup>a</sup> is an end view of the harness-trimming before the prong-provided wings are closed down. Fig. 3 is a plan view of my improvement constructed with two of the malleable strap-receiving sockets. Fig. 4 is an edge view of the same, showing the sockets not closed down. Fig. 5 is a longitudinal section in line *b b*, Fig. 3, showing the socket closed for holding the end of a strap. Fig. 6 shows in plan view the improvement constructed with three sockets. Fig. 7 is an end elevation of the form of trimming shown in Fig. 6. Fig. 8 illustrates a modified arrangement of the inwardly-projecting prongs.

Similar characters designate like parts in all the figures.

The ordinary mode of uniting straps in harnesses, as it will be remembered, is by means of a ring, through which the strap is first passed, then turned back onto itself, (about two inches, more or less,) and then stitched together.

My improvement is designed as a substitute, wholly or in part, for the old method.

In Fig. 1 the numeral 2 designates a part of a ring or loop, into which a strap (shown by dotted lines 3) may be secured in any well-known manner. On one side of said loop 2, I form a rectangular malleable socket, B, of suitable size to receive one end of the strap C. Said socket has the lower wall, 4, the two edge walls, 5 6, and one or more closable wings, 7 8, provided on their inner surfaces with one or more prongs or detents, 9, arranged to be

embedded into the strap C, as in Fig. 2. The normal form of the trimming, as an article of manufacture and sale (the whole being cast integral) is shown in Fig. 2<sup>a</sup>, in which the closable wings 7 and 8 are raised on a sufficient incline to permit the strap to be slid under the depending prongs 9. The article is cast entire in this form ready for use.

In Figs 3, 4, and 5 the fastening is shown having two similar sockets, B B', set at right angles to each other and provided with a ring or loop, 2, whereto a third strap may be connected. The details of the two sockets are designated by the same characters, respectively, as in the preceding figures. Another form having three sockets is shown in Figs. 6 and 7, in which the respective sockets are designated by B, B', and B'', the latter socket taking the place, substantially, of the loop 2 in Fig. 3. The details of each of these sockets are or may be the same as above described. The prongs 9 are preferably formed on the respective closable wings, but may be formed on the lower wall, 4, as in Fig. 8. The strap C (shown by dotted lines) in this requires to be concaved in order to be passed in above said prongs.

The improved trimmings above described are made of malleable metallic castings and are to be marketed, having the closable wings standing open to admit the straps, substantially as shown. In using said articles the harness-maker first slips the strap end into the socket, and then with a heavy mallet used in that manufacture firmly closes down said wings onto the strap, into which strap, of course, the prongs are then firmly embedded. By means of this simple operation the fastening together of the strap and trimming is effected in a brief moment of time, and in a mere fraction of that required by the old way. The saving of leather I also find to be considerable, and more than sufficient to warrant the slightly-increased cost of the improved trimmings over the cost of the plain rings heretofore generally used.

Having thus described my invention, I claim—

The improved harness-trimming herein described, it consisting in a loop-provided plate underlying the strap, side walls rising vertically from the edges of said plate parallel with

and contiguous to the edges of said strap, and malleable wings projecting inwardly and upwardly from the upper edges of said side walls and adapted to be closed down onto a strap between said walls and on said plate, said wings  
5 being provided with a series of downwardly-projecting holding-prongs set in rows lengthwise of the wings and in the direction of the strain on the strap, said loop being adapted for the attachment thereto of a second strap, 10 all substantially as shown and specified.

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