

(No Model.)

J. HAZZLEWOOD.

RIVETING MACHINE FOR MAKING UP LEATHER HOSE.

No. 540,311.

Patented June 4, 1895.

Fig. 1.

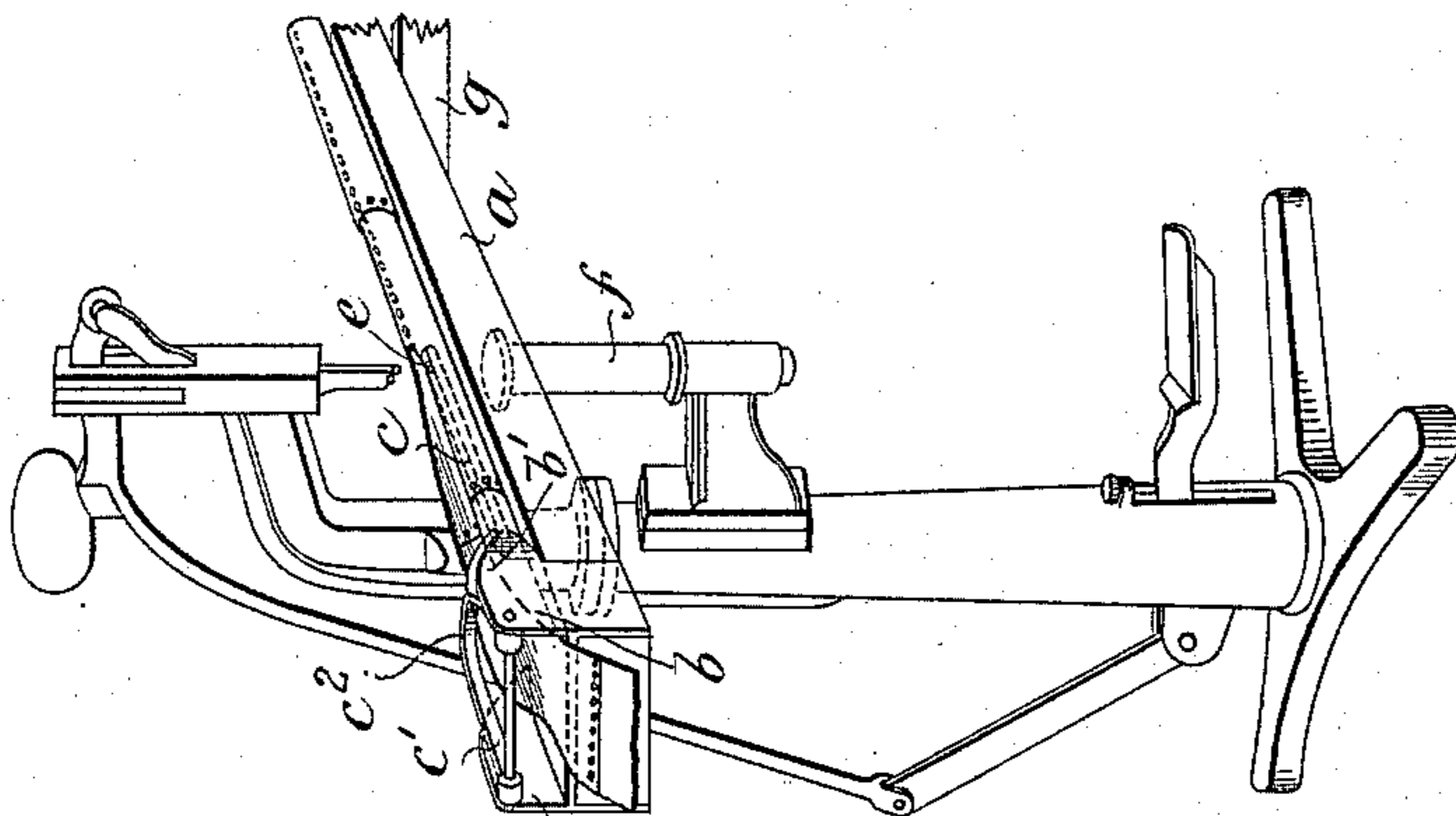


Fig. 2.

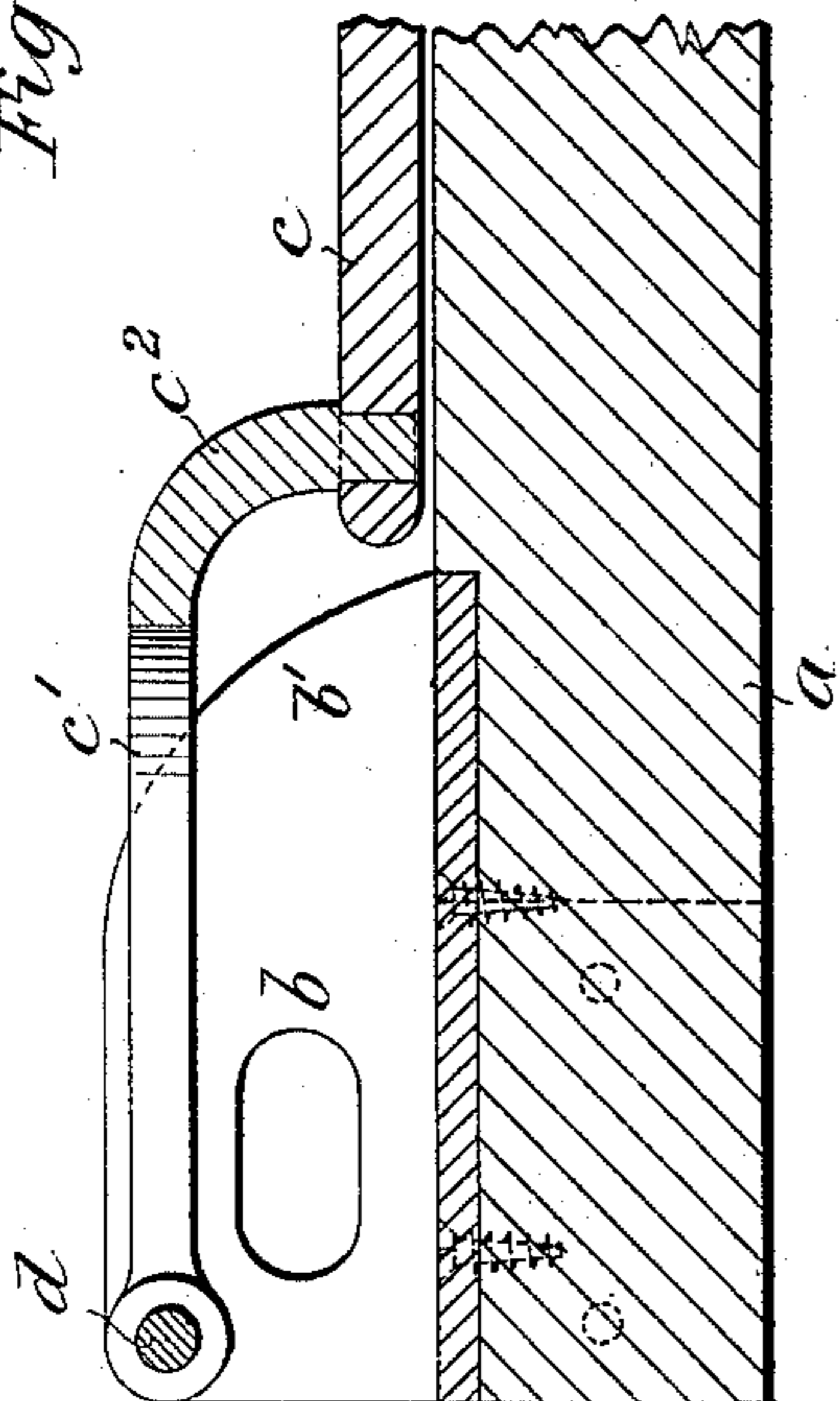
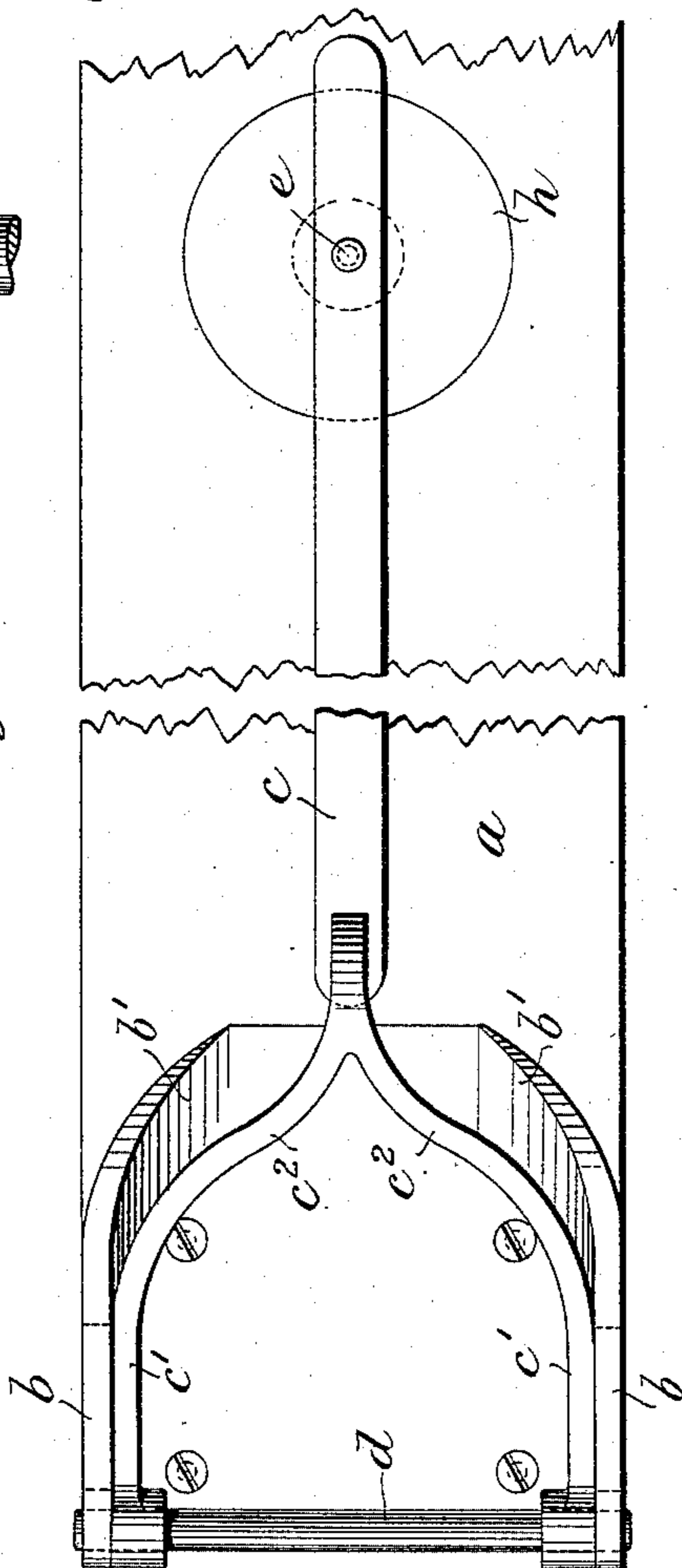


Fig. 3.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

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## RIVETING-MACHINE FOR MAKING UP LEATHER HOSE.

SPECIFICATION forming part of Letters Patent No. 540,311, dated June 4, 1895.

Application filed August 6, 1893. Serial No. 482,462. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN HAZZLEWOOD, a subject of Her Majesty the Queen of Great Britain, residing at Manchester, in the county of Lancaster, England, have invented a certain new and useful Improved Attachment for Riveting-Machines for Making Up Leather Hose, of which the following is a specification.

My invention relates to an improved attachment to be used with riveting machines for the purpose of making up leather hose and the like by riveting the longitudinal seams of same, the cross seams which serve to connect the lengths of leather together having been previously formed or secured so that the present machine acts to convert any desired length of flat strip so formed into a tubular hose.

To clearly explain my invention reference is made to the accompanying drawings, in which—

Figure 1 is a general perspective view of a riveting-machine with my attachment applied thereto. Fig. 2 is a sectional elevation of my attachment, and Fig. 3 a plan of same.

The attachment in question consists of a base board *a* to the rising side pieces or brackets *b b* of which is pivoted the arm *c*. Such arm in its simplest form may be bent and pivoted direct to the rod *d*, but it is preferred to bifurcate it or divide it into the parts *c' c'* so that the support of the arm *c* shall be as firm as possible. The parts *c' c'* of the arm *c* are above the level of part *c* to allow of the strip material being bent up around the portion *c*, the two parts being connected by the drop down portion *c<sup>2</sup>* as shown. The arm *c* is provided with an anvil piece *e* of hard steel which is let into same such anvil being situated over the supporting standard *f* of the riveting machine which is employed to hold the base board *a* at one end, the other end being supported in any suitable way such as by a beam or trestle *g*. For the purpose of obtaining a mass of solid metal beneath the anvil which shall receive the blows of the riveter transmitted through same I preferably let into the base *a* a metal socket piece *h* into which the reduced head of the standard *f* is screwed. Such standard may also be screw threaded at the point *i* to receive a nut *j* which will abut against a washer *k* on the under side of the

base board. The arm *c* is pivoted for the purpose of allowing it to adjust itself to various thicknesses of material.

The manner of using the attachment will be readily understood by reference to Fig. 1 in which the continuous strip formed of pieces of leather is shown as connected up by the riveted cross joints and as being fed into the open end after which it is closed round the arm *c* by the attendant and is riveted by successive blows of the riveter, the rivets being driven through the longitudinal lap so formed and clinched by the anvil *e* beneath same the completed hose issuing from the other end as shown.

For the purpose of bending up the strip as it enters onto the base board *a* I may provide the side pieces or brackets *b* with the curved ends *b' b'* so that the strip will be brought up into a semi-tubular form conveniently for the hand of the operator to complete same.

The riveter employed may be of any convenient description. That shown is adapted to feed, drive and clinch what is known as a bifurcated rivet at each stroke of the foot pedal.

What I claim is—

1. In an attachment for riveting machines for making up hose in continuous lengths, the combination of the baseboard, the arm spread outwardly or bifurcated at one end and pivotally mounted upon said base board, the side pieces adjacent the bifurcated portion of the arm and having the inwardly turned ends or edges, and the anvil, substantially as described and shown.

2. In an attachment for riveting machines for making up hose in continuous lengths, the combination of a base, side pieces or brackets at one end thereof, provided with inwardly curved ends, a bent arm pivoted to said brackets and an anvil carried by the arm, substantially as described.

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

JOHN HAZZLEWOOD.

Witnesses:

JAS. E. BOND,  
THOS. A. ABBOTT.