

(No Model.)

S. H. ROSENBERG.
CORSET SHAPING MACHINE.

No. 341,774.

Patented May 11, 1886.

Fig. 1.

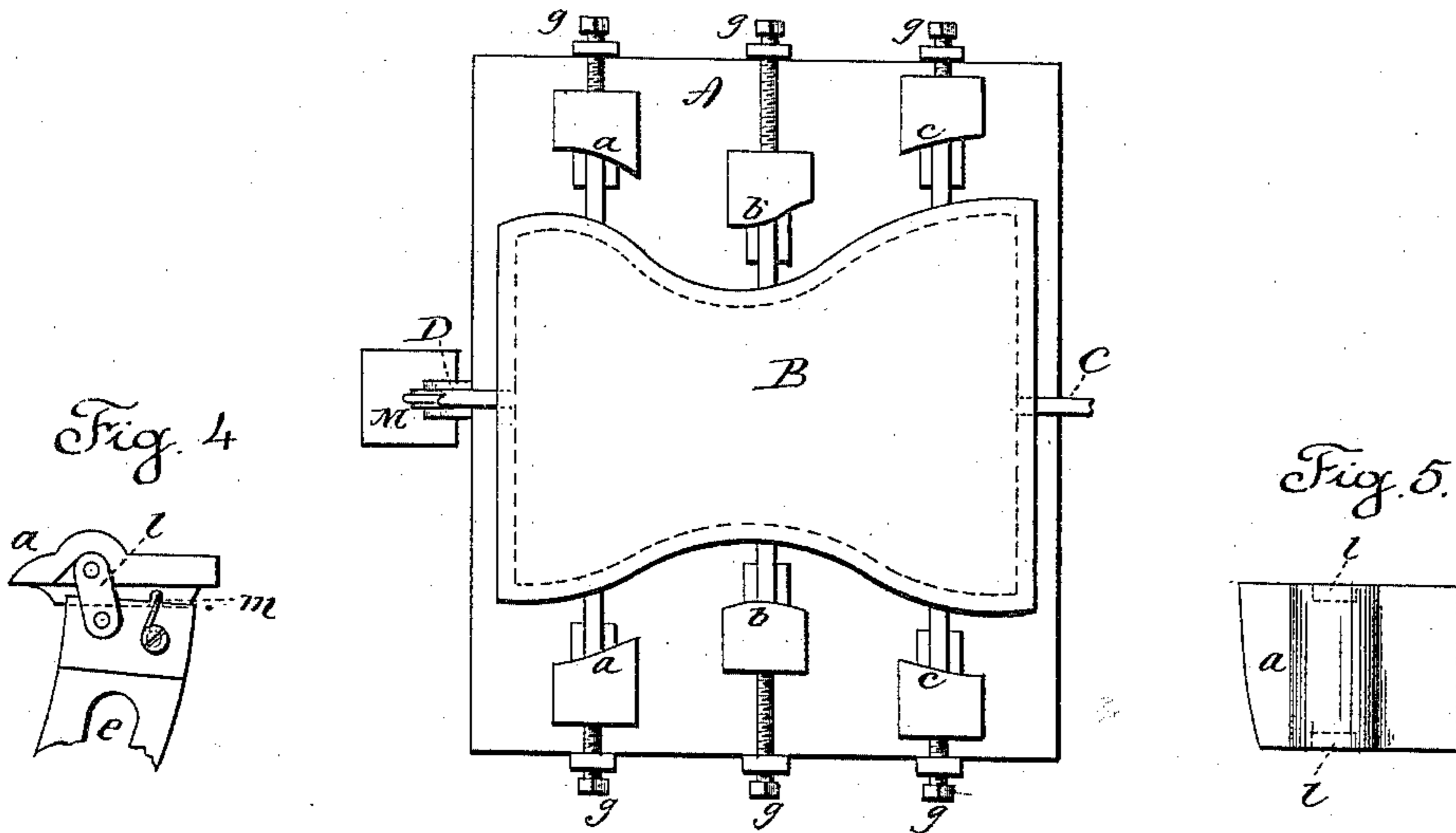


Fig. 2.

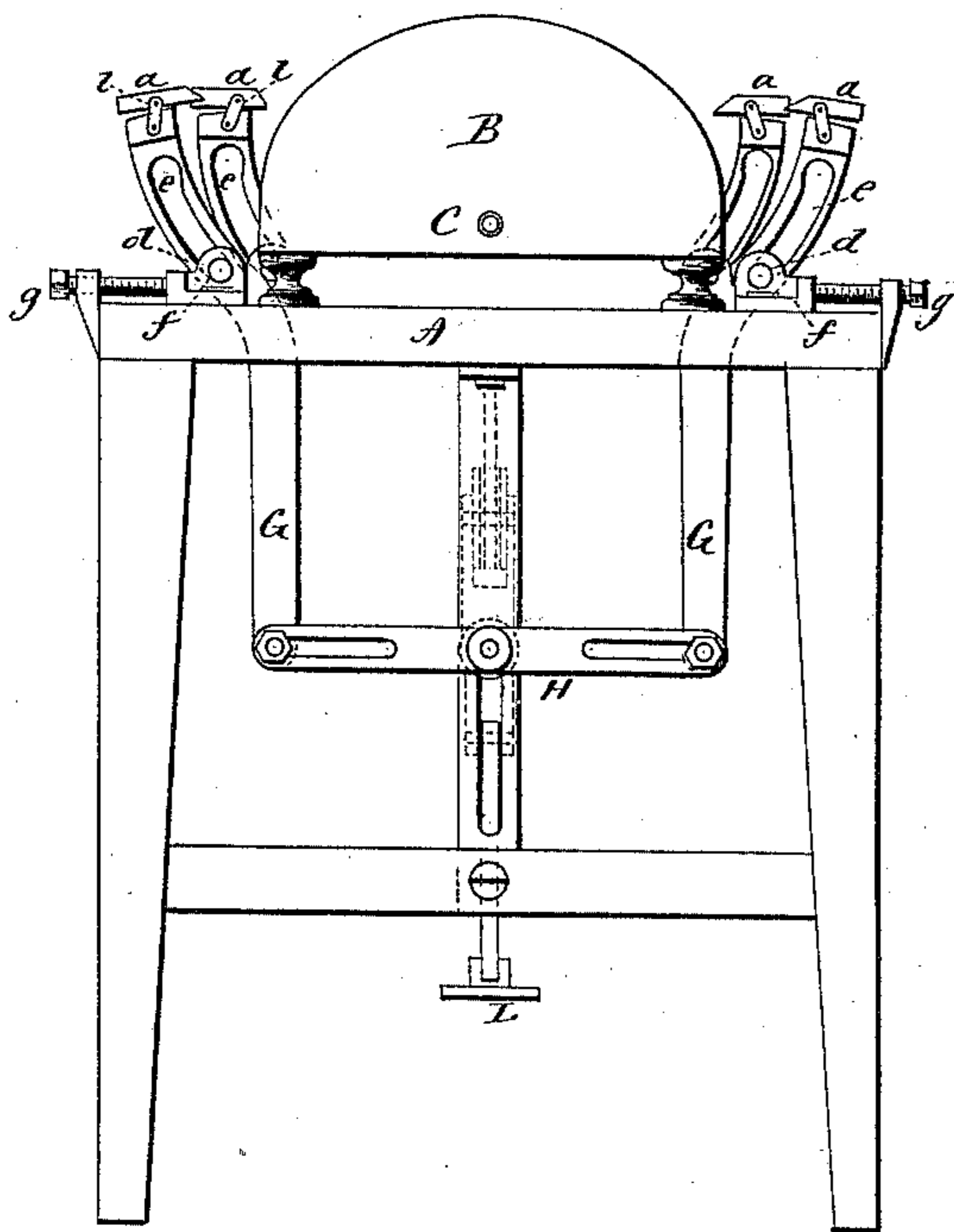
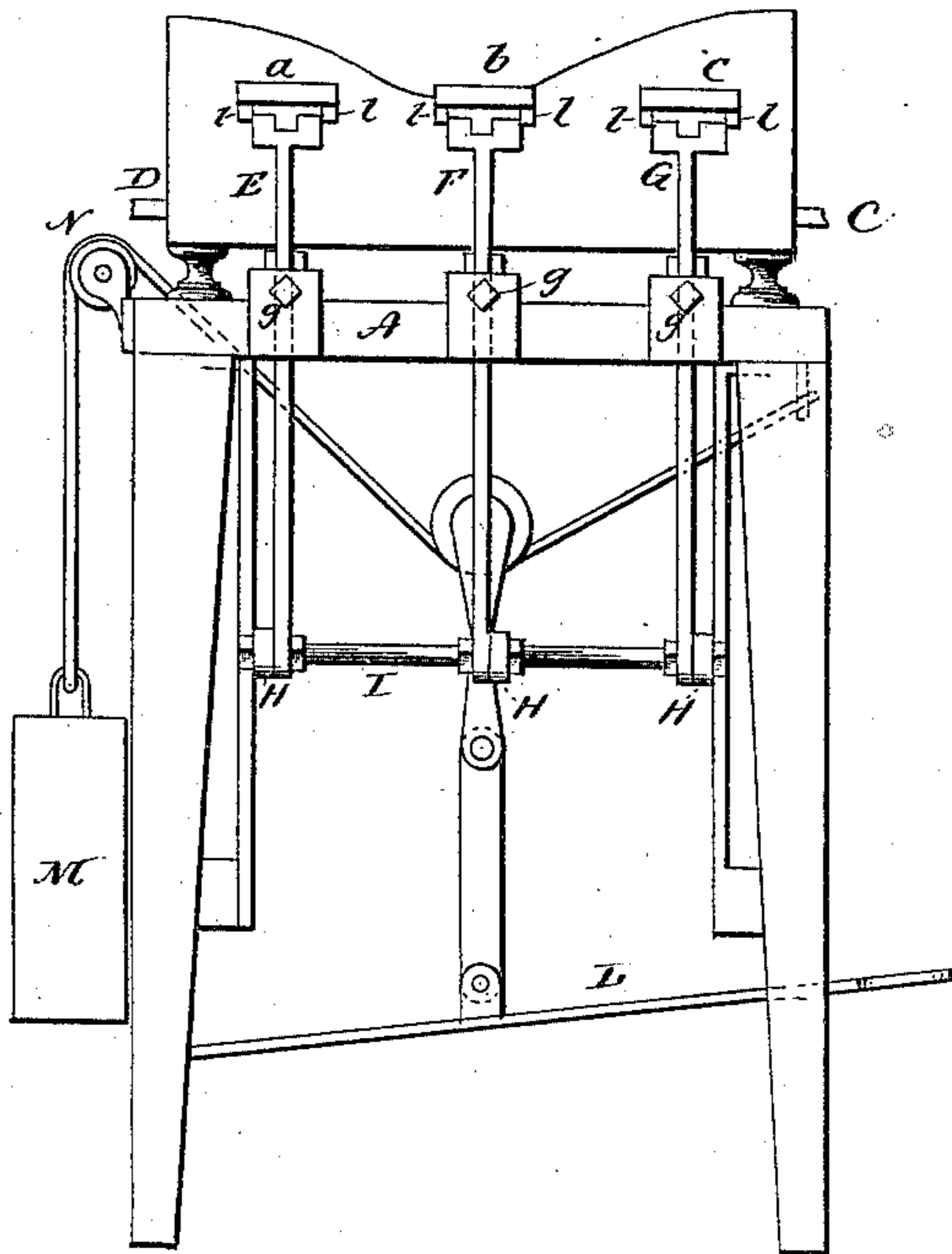


Fig. 3.



Witnesses.
J. N. Thumway
Fred C. Earle

Seymour H. Rosenberg
Inventor.
By Atty. *[Signature]*

UNITED STATES PATENT OFFICE.

SEYMOUR H. ROSENBERG, OF NEW HAVEN, CONNECTICUT.

CORSET-SHAPING MACHINE.

SPECIFICATION forming part of Letters Patent No. 341,774, dated May 11, 1886.

Application filed February 23, 1886. Serial No. 192,773. (No model.)

To all whom it may concern:

Be it known that I, SEYMOUR H. ROSENBERG, of New Haven, in the county of New Haven and State of Connecticut, have invented
5 new Improvements in Corset-Shaping Machines; and I do hereby declare the following, when taken in connection with accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description
10 of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a top view, Fig. 2 an end view, Fig. 3 a side view, Fig. 4 a side view, and
15 Fig. 5 a top view, of the rubber enlarged, showing the connection between the rubber and its lever.

This invention relates to an improvement in machines for shaping corsets, and is an improvement on the machine for which Letters
20 Patent were granted to me October 27, 1885, No. 329,414.

The principle of the invention in my patent before referred to consisted in rubbing the
25 corset down upon the former, in contradistinction to grasping the two edges of the corset and drawing it over the former. The same principle is involved in this present invention.

In my previous patent the apparatus was
30 arranged above the bed or former.

The object of my present invention is such a construction of the rubbing devices that the mechanism may be placed below the former, and so that the rubbers will readily adjust
35 themselves to the shape of the former; and it consists in the construction hereinafter described, and more particularly recited in the claims.

A represents the bed of the machine, supported on suitable legs. On the bed the former
40 B is arranged, which, as here represented, is for one-half the corset. This former, as in my previous patent, is hollow, so as to admit steam or hot water to heat the former. Steam is admitted, say, through an opening at C, with an
45 exit at D. The former is made fast to the bed, and is of the shape required for the finished part of the corset, and so that the part of the corset to be finished may be readily placed
50 thereon.

Upon each side of the former is a series of

rubbers, *a b c*. These rubbers are fixed to the upper ends of the levers, respectively, *E F G*. The levers extend down through openings in the bed, those of the series on one side being
55 directly opposite the corresponding rubbers of the series on the other side, and forming pairs. Each lever of a pair is adjustably hung to one end of a horizontal lever, *H*. At a point near the lower edge of the former the levers are hung
60 upon a pivot or fulcrum, *d*, the pivot being stationary, the levers constructed with a corresponding slot, *e*, and the slot is curved, so that in their descent the rubbers are forced toward the former, and to come into contact
65 with the corset on the former, as indicated in broken lines, Fig. 2, soon after they commence their descent, the shape of the slot being such that after arriving upon the surface of the corset the rubbers will be held in forcible contact
70 therewith, and under such contact will be drawn over the surface of the corset, and thereby stretch the corset over the former under such rubbing action until, finally, the rubbers reach the extreme edges of the corset part on
75 each side. The former being hot and the corset damp, the rubbing operation readily shapes the corset to the former, and the heat dries the corset during such rubbing operation, so that it retains the shape given it by the former.
80

The levers which connect the respective pairs of rubber-levers are hung midway between the rubber-levers to a shaft, *I*, (see Fig. 3,) and this shaft is connected to a pedal, *L*,
85 below, as seen in Fig. 3, so that by placing the foot upon the pedal the shaft is drawn downward, and with it the rubbers. The levers *H*, being hung to the shaft *I*, act as eveners between the rubber-levers, so that a like pressure will be exerted by the rubbers upon
90 opposite sides.

To return the rubbers after they have been drawn down, I hang a weight, *M*, over a pulley, *N*, in connection with the shaft *I*, as shown, and so that as the shaft is drawn down
95 the weight will be raised, and then when free the weight will serve to draw up the shaft and the rubbers connected therewith.

The pivots or fulcrums *d* are each hung in a slide, *f*, made adjustable on the bed toward
100 and from the former, as by adjusting-screws *g*, so that the rubbers may be adjusted to

adapt themselves to different formers, and adapt the range of the machine to various shapes of corsets or corset parts.

The number of rubbers and their levers may be increased or diminished according to the requirements of the work to be done. Three, however, are sufficient for ordinary work.

The rubbers are best constructed as shown enlarged in Figs. 4 and 5. The active part *a* of the rubber is hung to the upper end of the lever by a loose link-connection, *l*, so as to allow a considerable amount of play to the rubber, and a spring, *m*, supplied, the tendency of which is to force the rubber forward or toward the former. This link-connection and spring produce a yielding pressure by the rubber, so that it may adapt itself to irregularities in its path as it works over the surface of the corset.

From the foregoing it will be understood that I do not claim, broadly, a heated former adapted to receive a corset part, having combined therewith rubbing devices adapted to work over the surface of the corset laid on the former and bring the said corset to the shape of the former; but

What I do claim is—

1. The combination of a hollow former, *B*, adapted to receive steam or hot water therein, its outer surface corresponding to the shape of the part of the corset to be pressed, said former stationary, a series of rubbers arranged each side of the former attached to the upper end of levers, the said levers extending below the former, each lever constructed with a vertical slot, *e*, and hung upon a fulcrum, *d*, through said slot, the said levers movable up and down upon their fulcrum, the said slots curved, corresponding to the shape of the former, and mechanism, substantially such as described, to impart up-and-down movement to said levers and the rubbers which they carry, substantially as described, and whereby said rubbers will be forced upon the surface of the

corset on the former, and rub thereon to bring the corset to the shape of the former.

2. The combination of the hollow former *B*, adapted to receive steam or hot water therein, its outer surface corresponding to the shape of the part of the corset to be pressed, said former stationary, a series of levers, *E F*, &c., on each side the former, the said levers carrying upon their upper ends, respectively, rubbers *a b*, &c., the said levers extending downward, and each constructed with a slot, *e*, and hung upon a fulcrum, *d*, through said slot, whereby up-and-down movement is permitted to said levers and rubbers, a lever, *H*, below the fulcrum connecting corresponding levers on opposite sides, the said levers *H* hung upon a fulcrum, whereby a rocking or evening movement is permitted to said lever *H*, and mechanism, substantially such as described, to impart up-and-down movement to said levers *H*, substantially as specified.

3. The combination of a hollow former, *B*, adapted to receive steam or hot water therein, its outer surface corresponding to the shape of the part of the corset to be pressed, a series of levers, *E F*, &c., on each side the former, extending downward, and carrying at their upper ends, respectively, rubbers *a b*, the said levers each constructed with a slot, *e*, and hung upon a fulcrum, *d*, through said slots, said fulcrums being below the former, and adjustable toward and from said former, the said levers extending below the fulcrum; with a lever, *H*, connecting the said levers on one side with corresponding levers on the opposite side, and mechanism, substantially such as described, to impart up-and-down movement to said levers and rubbers, substantially as specified.

SEYMOUR H. ROSENBERG.

Witnesses:

JOHN E. EARLE,
FRED C. EARLE.