

H. G. Folger,

Wringer,

*Patented July 4, 1865.*

N<sup>o</sup> 48,545.

Fig. 1.

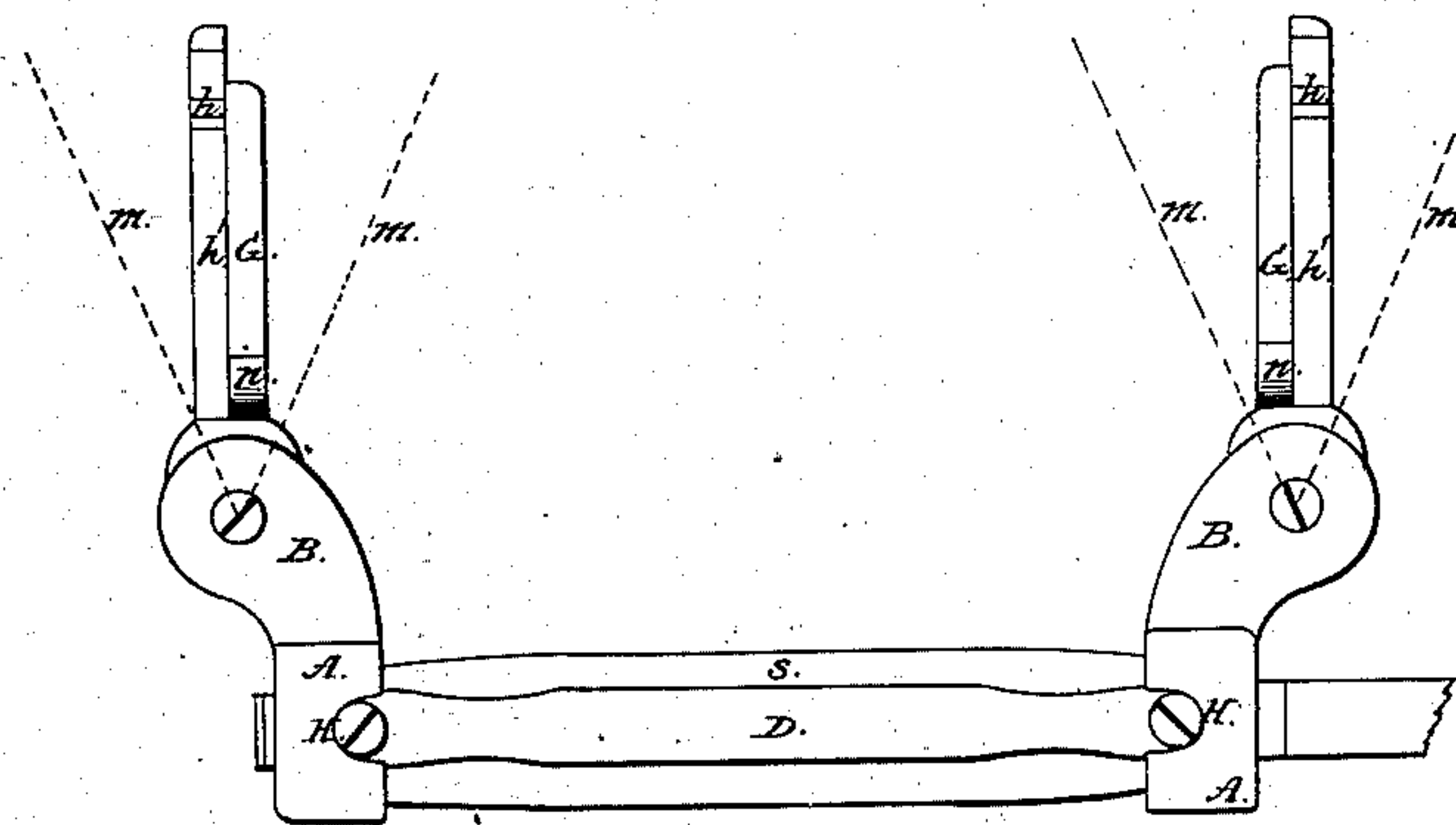
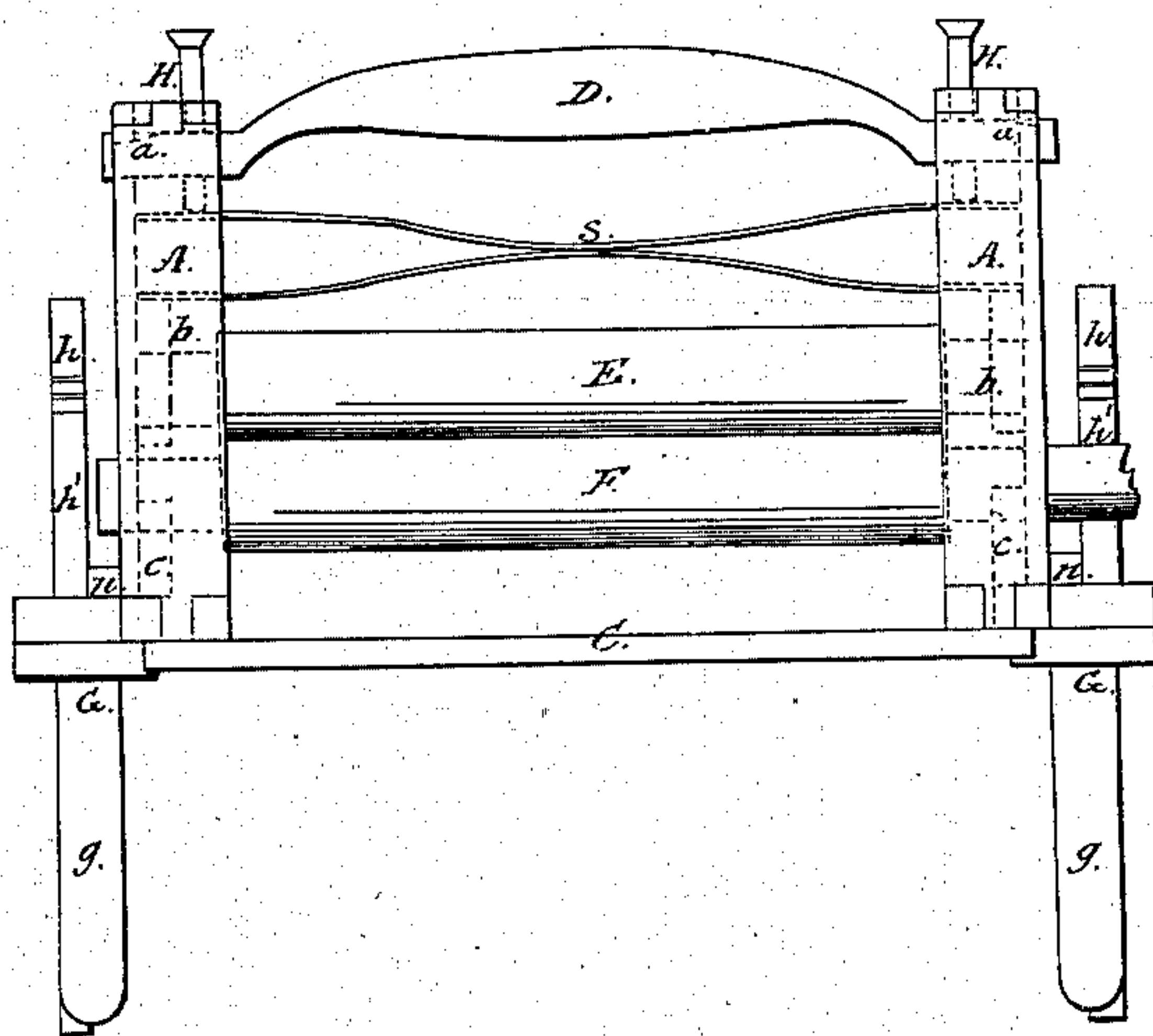
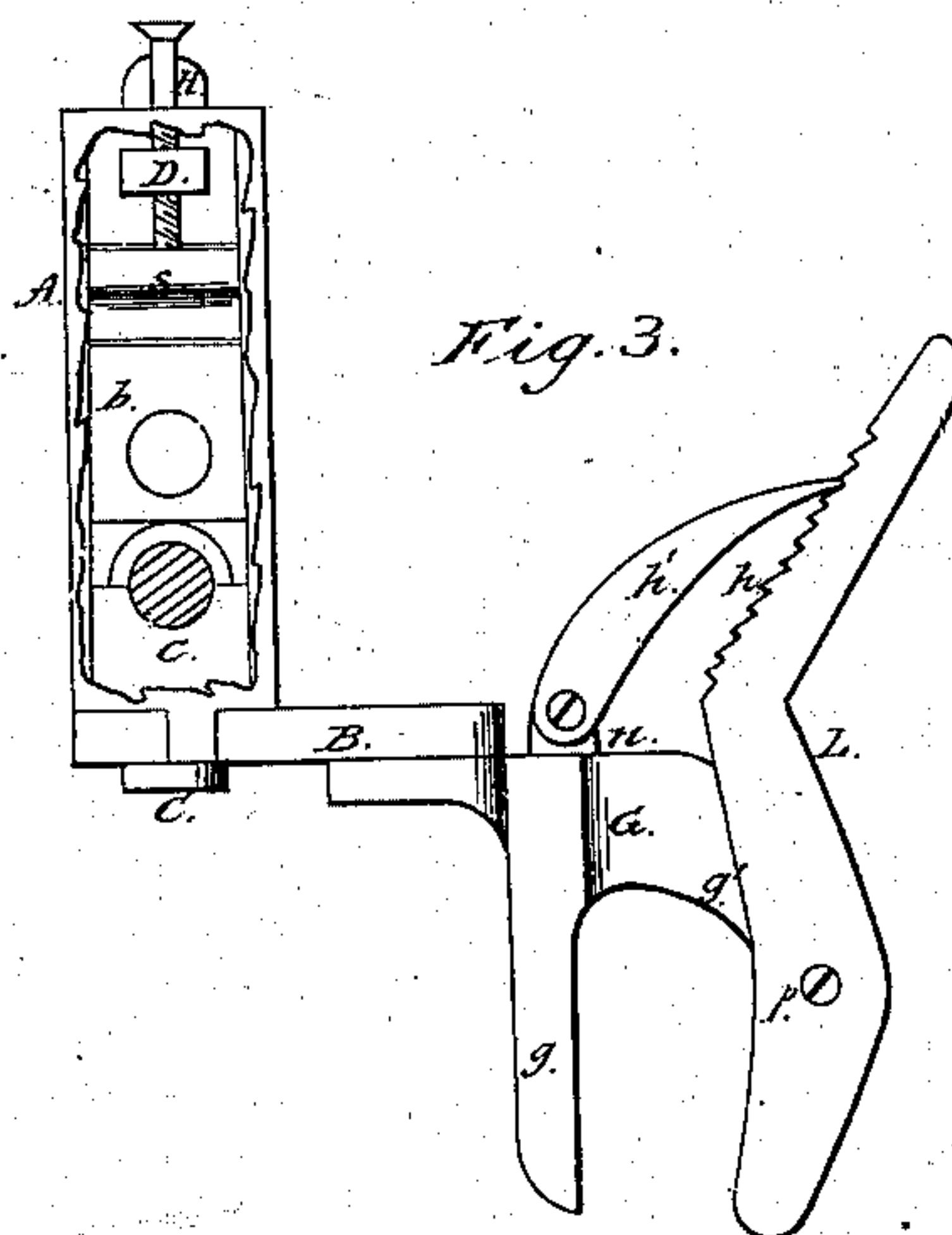


Fig. 2.



*Fig. 3.*



Witnesses,  
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# UNITED STATES PATENT OFFICE.

H. G. FOLGER, OF WADSWORTH, OHIO.

## IMPROVED CLOTHES-WRINGER.

Specification forming part of Letters Patent No. 48,545, dated July 4, 1865.

### *To all whom it may concern:*

Be it known that I, H. G. FOLGER, of Wadsworth, in the county of Medina and State of Ohio, have invented certain new and useful Improvements in Clothes-Wringers; and I do hereby declare that the following is a full and complete description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a top view of the wringer. Fig. 2 is a side view. Fig. 3 is an end view.

Like letters of reference refer to like parts in the several views.

A A represent the end pieces of the wringer, fastened at the lower end to lugs B B, which are secured to a cross-piece, C. Between the end pieces, at the top, there is a brace, D, that extends through the end pieces, and catches up onto them by a lip, and forms a shoulder on the inside, as shown and indicated by the dotted lines *a* in Fig. 2, firmly holding the upper part of the end pieces in place and preventing any lateral movement. The end pieces form a box inclosed at the ends and sides, in which are placed the journal-boxes that form the bearings of the rubber-rollers E and F. The bearings *c* of the lower shaft are stationary, but the bearings *b* of the upper shaft are allowed to slide up and down, according to the amount of pressure between the rollers. On the top of the journal-boxes or bearings *b* rest the ends of the spring S, which consists of two metallic pieces in contact at the center, from which point they curve upward and downward, as represented. On the upper piece of the spring presses the screws H, that are screwed through the ends of the brace, by which the pressure on the spring is adjusted, increasing or decreasing the pressure upon the rollers. The spring allows the roller E, by means of the sliding bearings, to be moved up, according to the bulk of material passing between the rollers, and

at the same time produces the required amount of pressure upon the rollers.

It will be observed that the sides of the end pieces extend out beyond the width of the bearings *b* and *c*, as indicated by the dotted lines in Fig. 2. One object of this is to protect the end of the rollers and to prevent the clothes from catching in around them.

To the lugs B are pivoted clamps G, formed as represented, one part, *g*, of which extends downward, that fits on the outside of the tub, and the other part, *g'*, is curved outward, to which is pivoted, at *p*, a lever, L. On the upper part of this lever are ratchet-teeth *h*, into which a pawl, *h'*, catches, that is pivoted to a lug, *n*, on the clamps G, whereby the lever is held in any position in which it is placed, the lower ends of the levers pressing against the inside of the tub. By these devices the wringer can be readily fastened on a tub of any size, for as the clamps G are pivoted to the lugs B B they can be adjusted either way, as indicated by the dotted lines *m* in Fig. 1, to suit the circumference of the tub, and the levers L can be adjusted according to the thickness of the sides of the tub, being held in place against the inside by the pawls, as before stated. This arrangement for connecting the wringer to the tub being so adjustable in every way, whereby the wringer can be fastened on a tub of any size, as described, possesses many advantages over any other arrangement for a similar purpose in ordinary use.

What I claim as my improvement, and desire to secure by Letters Patent, is—

The above-described arrangement of the adjustable clamps G, levers L, pawls *h*, arm B, end pieces, A, bearings *b*, springs S, and brace D, for the purposes set forth.

HENRY G. FOLGER.

Witnesses:

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