S. Walker,

Wringer.

No. 35,643. Patented June 17, 1862.

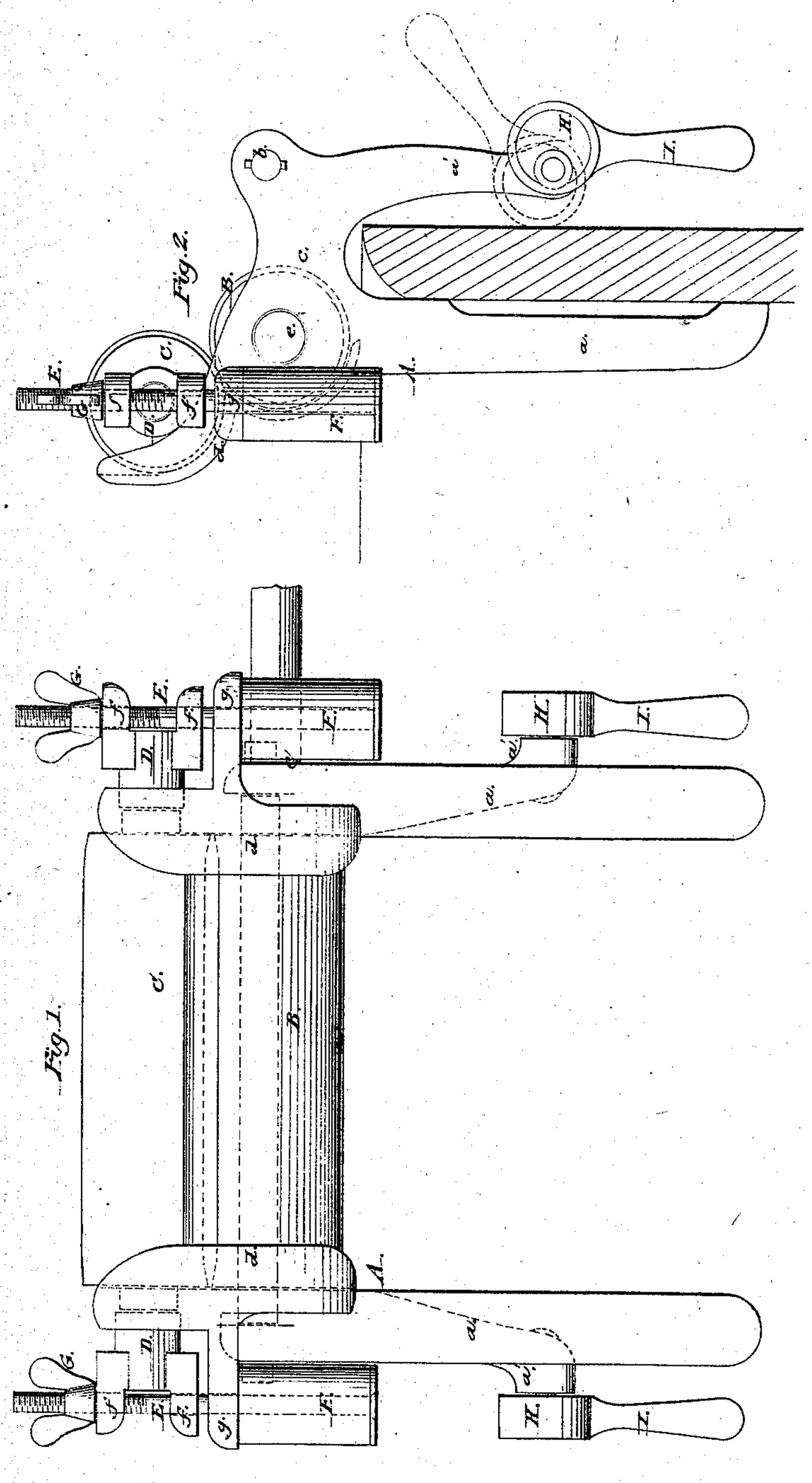

Fig. 2.

Fig. 1.

Witnesses:
Edw. M. Hodgson
James Laird

Inventor:
Sylvanus Walker
per Munn & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

SYLVENUS WALKER, OF BOSTON, MASSACHUSETTS.

IMPROVED CLOTHES-WRINGER.

Specification forming part of Letters Patent No. **35,643,** dated June 17, 1862.

To all whom it may concern:

Be it known that I, SYLVENUS WALKER, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and Improved Clothes-Wringing Device; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a front view of my invention. Fig. 2 is a side view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

This invention relates to a clothes-wringing machine of that class in which pressure-rollers are employed; and it consists in a novel and improved construction of the frame of the device, whereby a simple and economical arrangement of the several parts comprising the machine is obtained, as well as several other advantages hereinafter set forth.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents the frame of the machine, which is of cast metal and formed of two side pieces, each of which is forked or provided with two prongs, *a a'*, as shown clearly in Fig. 2. These two side pieces are connected by a cross-rod, *b*, and the front ends of the upper parts, *c*, of the side pieces are each provided with a curved flange, *d*, which projects inward at right angles from the side pieces. Each flange has a double curve, so as to serve as a cap or guard for the ends of both the rollers B C of the machine. The precise shape of the flanges is shown by the dotted lines in Fig. 2, and they are at the front sides of the rollers.

The lower roller, B, which is the unyielding one, has its bearings *e* in the front parts of the upper parts, *c*, of the side pieces, and the upper roller, C, has its bearings formed of detached sockets D D, each of which is provided with two ears or lugs, *f f*, through which a screw, E, passes. The screws E E also pass through ears or lugs *g g*, which project horizontally outward from the side pieces of the frame A, and also pass through india-rubber or other suitable springs, F, the upper ends of which bear against the under sides of the lugs *g g*. On the upper part of each screw E there is fitted a thumb-nut, G, and by screwing down these thumb-nuts the upper roller, C, is made to bear upon the lower roller, B, with a greater or less degree of pressure, as may be desired.

The front prongs, *a*, of the side pieces of the frame A are longer than the back ones, *a'*, and to the short prongs *a'* eccentrics H H are attached, one to each. These eccentrics are each provided with a lever or handle, I, as shown in both figures.

The rollers B C may be of india-rubber or other suitable elastic material.

The machine or device is secured to the tub by fitting the frame A over its edge, the front prongs, *a*, being at the inner side of the tub and the prongs *a'* at the outer side, and then turning the eccentrics H H until they bear or bind against the outer side and draw the prongs *a* firmly against the inner side, as shown clearly in Fig. 2. This arrangement admits of the machine being firmly secured to the tub and to tubs of different thicknesses with the greatest facility.

The clothes pass between the rollers B C, the lower one being turned by a crank. The flanges *d* prevent the clothes as they enter between the rollers B C from passing in between the ends of the rollers and the side pieces of the frame and wedging or binding therein. The springs F, in consequence of being arranged as shown—to wit, projecting down at the outer sides of the side pieces of the frame A—are entirely out of the way and render the machine very compact, while the screws E E, passing through the ears or lugs of the sockets or bearings D D of the upper roller and through the ears or lugs *g g* of the frame A, and through the springs F, as shown and described, form a very simple and efficient connection of the yielding roller to the frame. The springs F, it will be understood, admit of the upper roller, C, yielding or giving to suit the irregularities of the larger clothes passing between them.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The frame A, constructed of two forked side pieces and provided with curved flanges or guards *d d* and ears or lugs *g g*, in combination with the screws E E, passing through the ears or lugs *f f* of the sockets or bearings D D of the upper roller, C, through the ears or lugs *g g* of the frame A, and through the springs F F, underneath the ears or lugs *g g*, all arranged as and for the purpose specified.

SYLVENUS WALKER.

Witnesses:

S. S. HEMENWAY,

BENJAMIN F. BROWN.