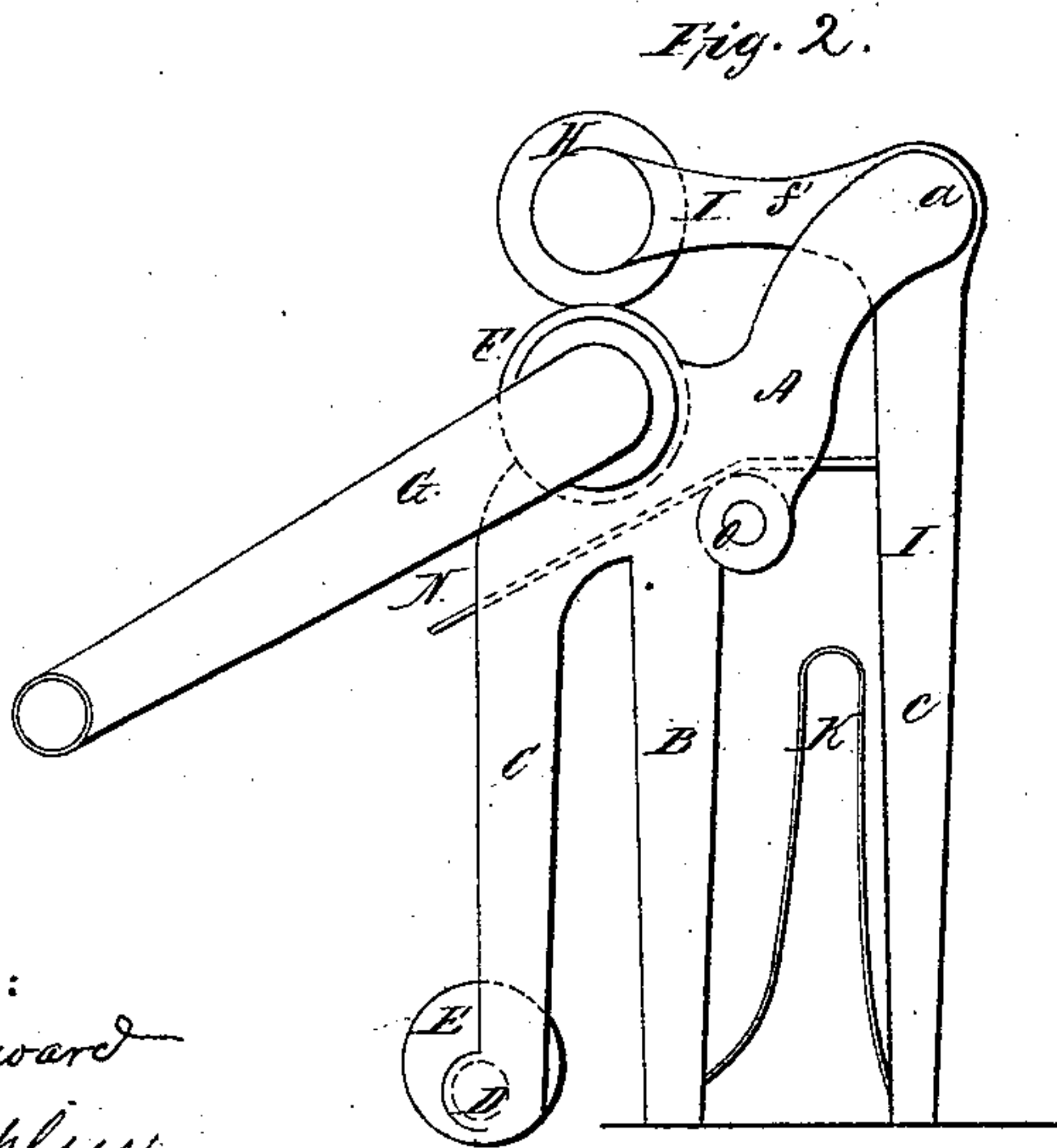
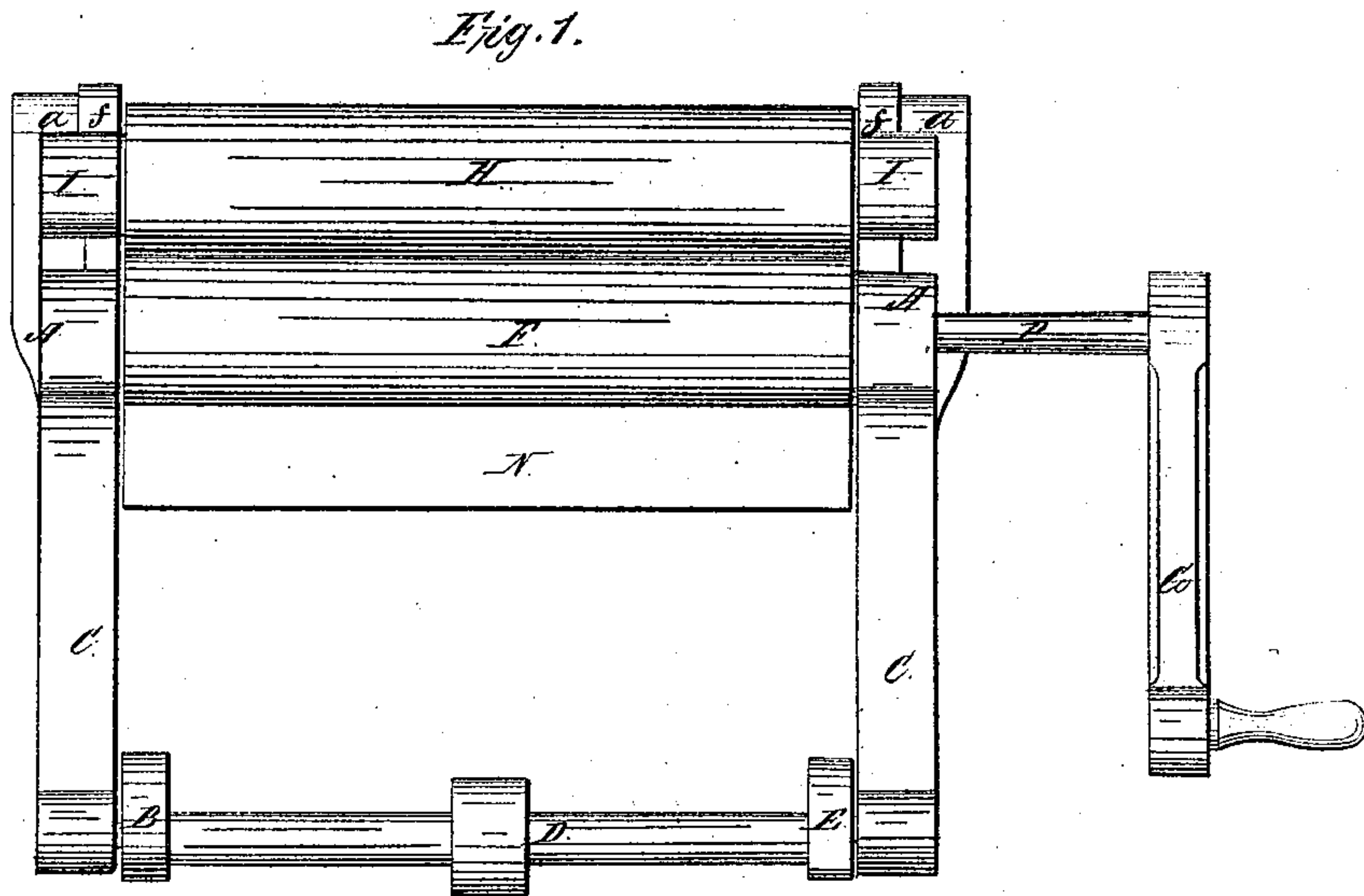
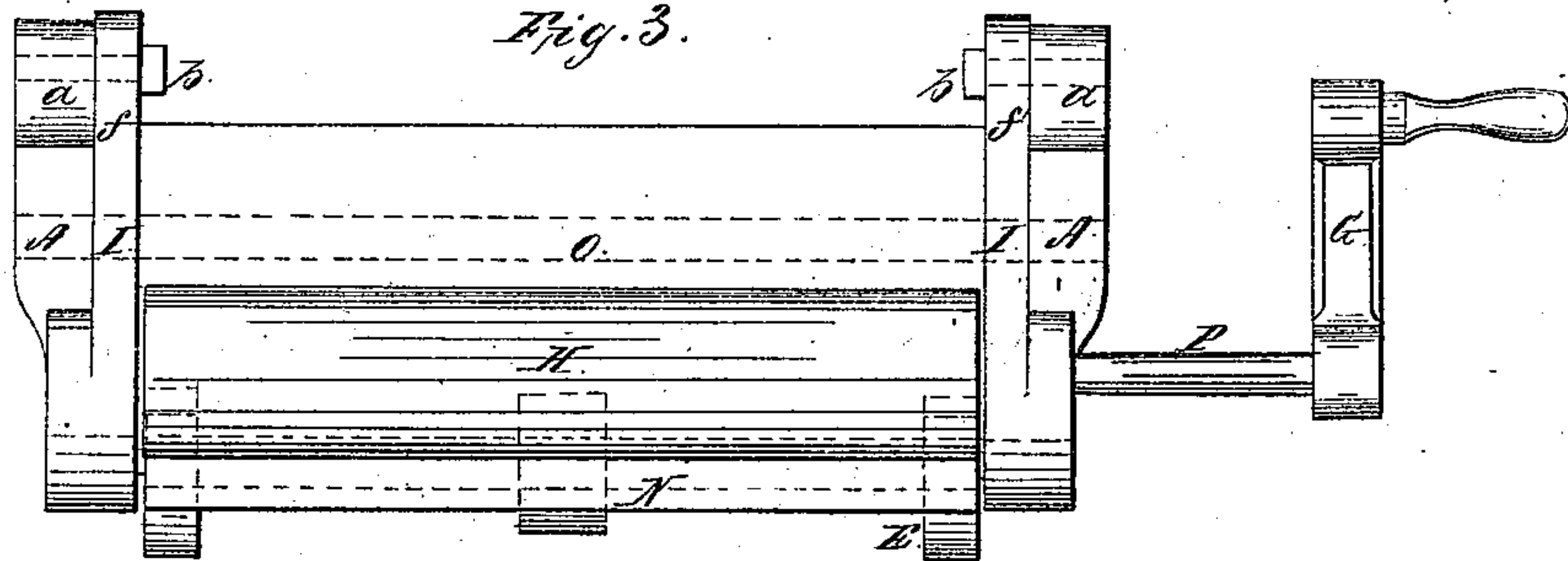


C. H. Packard,

Wringer

N^o 34,445.

Patented Feb. 18, 1862.



Witnesses:
Thomas J. Howard
Alex. Chaplin

Inventor:
Caleb H. Packard

UNITED STATES PATENT OFFICE.

CALEB H. PACKARD, OF NORTH BRIDGEWATER, MASSACHUSETTS.

IMPROVED CLOTHES-WRINGER.

Specification forming part of Letters Patent No. 34,445, dated February 18, 1862.

To all whom it may concern:

Be it known that I, CALEB H. PACKARD, of North Bridgewater, in the county of Plymouth and State of Massachusetts, have invented an Improved Clothes-Wringer; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a front elevation, Fig. 2 a side elevation, and Fig 3 a top view of my said invention.

My invention consists in a peculiar application or arrangement of springs to the arms of the rocker-frame supporting the adjustable roller, whereby the said springs may not only be caused to act in unison but allow either end of such roller to rise independently of the other.

In the drawings, A A denote the frame of the machine.

B B and C C denote the legs thereof, which are formed of such shape on their inner faces as to conform, respectively, to the outer and inner surfaces of the sides of an ordinary tub.

O is a bar, which connects the two parts of the frame A A.

N is a table arranged underneath the pressure-rollers, the rear part of which is horizontal and serves to support the clothes after the water is expressed therefrom, while the front part of the table is inclined, and serves to convey off the water so expressed.

D is a shaft, which has its journals supported in bearings formed in the lower ends of the curved feet C C. On this shaft two or any other suitable number of eccentrics or cam-wheels E E are disposed, the same being for the purpose of clamping or securing the machine firmly to the sides of the tub whenever it may be desirable.

F is an elastic roller, whose shaft P is supported in bearings formed in the frame, as shown in the drawings.

G represents a crank, applied to the said shaft.

H denotes another elastic roller, which is arranged directly over the former one, and has its journals supported in the ends of a

rectangular rocker-frame. The said rocker-frame consists of two rectangular levers I I, which are pivoted with two projections *a a*, extending from the main frame by means of two studs or screws *b b*, on which the said frame freely turns.

K K denote two V-shaped pressure-springs, which are arranged, respectively, between the legs B B of the main frame A and the larger arms *c c'* of the rocker-levers I I.

f f' are the shorter arms of the rocker-levers, to which the movable elastic roller H is pivoted. The ends of said spring are respectively attached to the lower parts of the said legs and arms, as shown in the drawings. The said rocker-frame is so formed and has the roller so applied to it that when a mass of clothes of uniform thickness is passed between the rollers the upper roller shall be equally elevated and the springs K K caused to act with equal force; but should the mass of clothes passing between the rollers be very thick near one of their ends, and there be little or no thickness between the other ends, one end of such roller will rise in accordance with such thickness while the other will remain in contact with the lower roller or upon the less thickness of clothes, whereby all the mass of clothes passing between the rollers will be acted on, which would not be the case were the frame constructed so that one end thereof could not rise or move independently of the other.

I claim—

In a wringing-machine whose upper elastic roller is supported in a rocker-frame, the arrangement of the spring K K, between the feet B B, and the arms *c c'*, in combination with so constructing and applying the rocker-frame that its upper end or arms *f f'* may both be elevated at the same time, or either of them, as may be desirable, whereby the said springs and rollers are caused to operate substantially in manner as set forth.

CALEB H. PACKARD.

Witnesses:

THOMAS J. HOWARD,
ALEX. CHAPLIN.