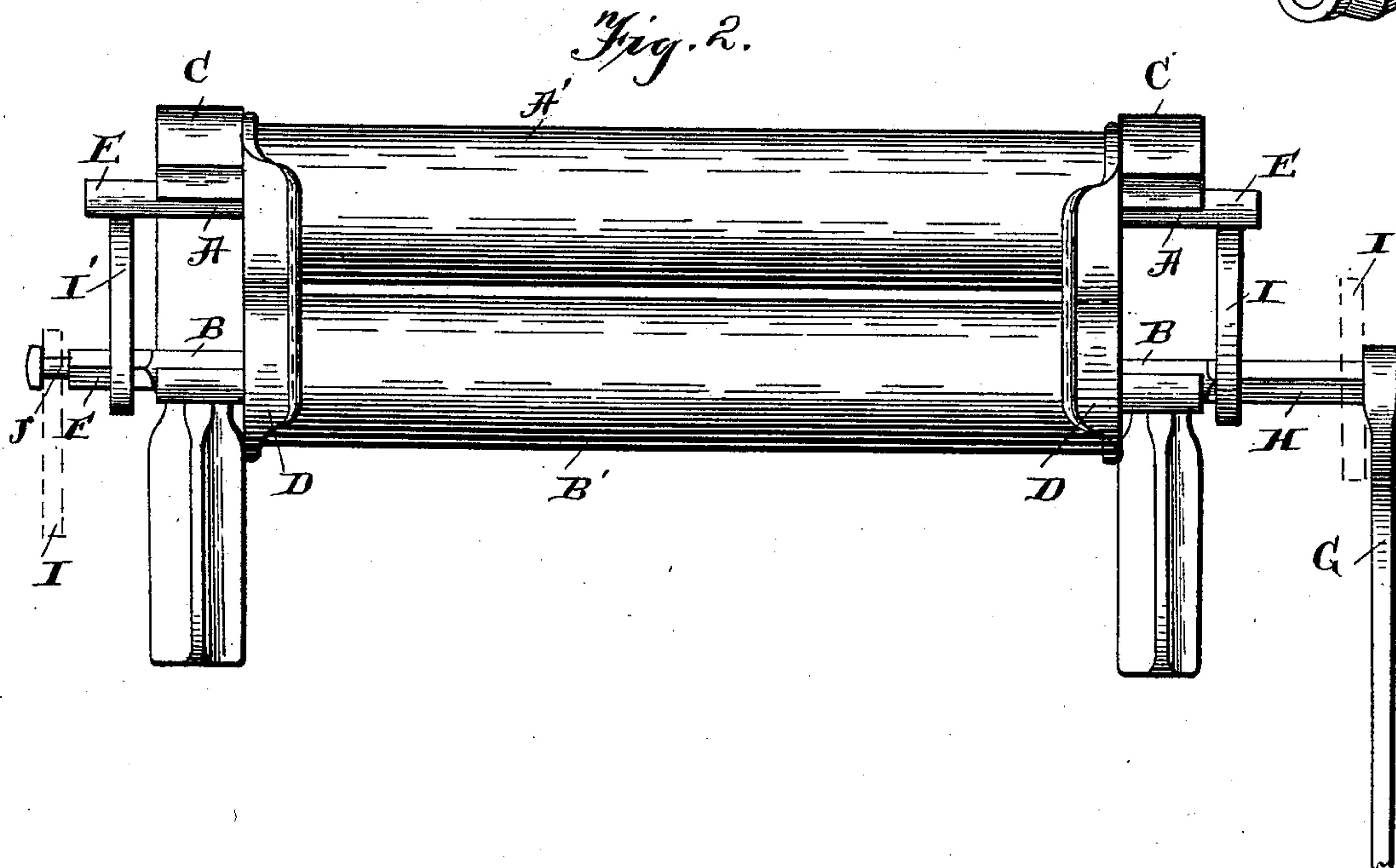
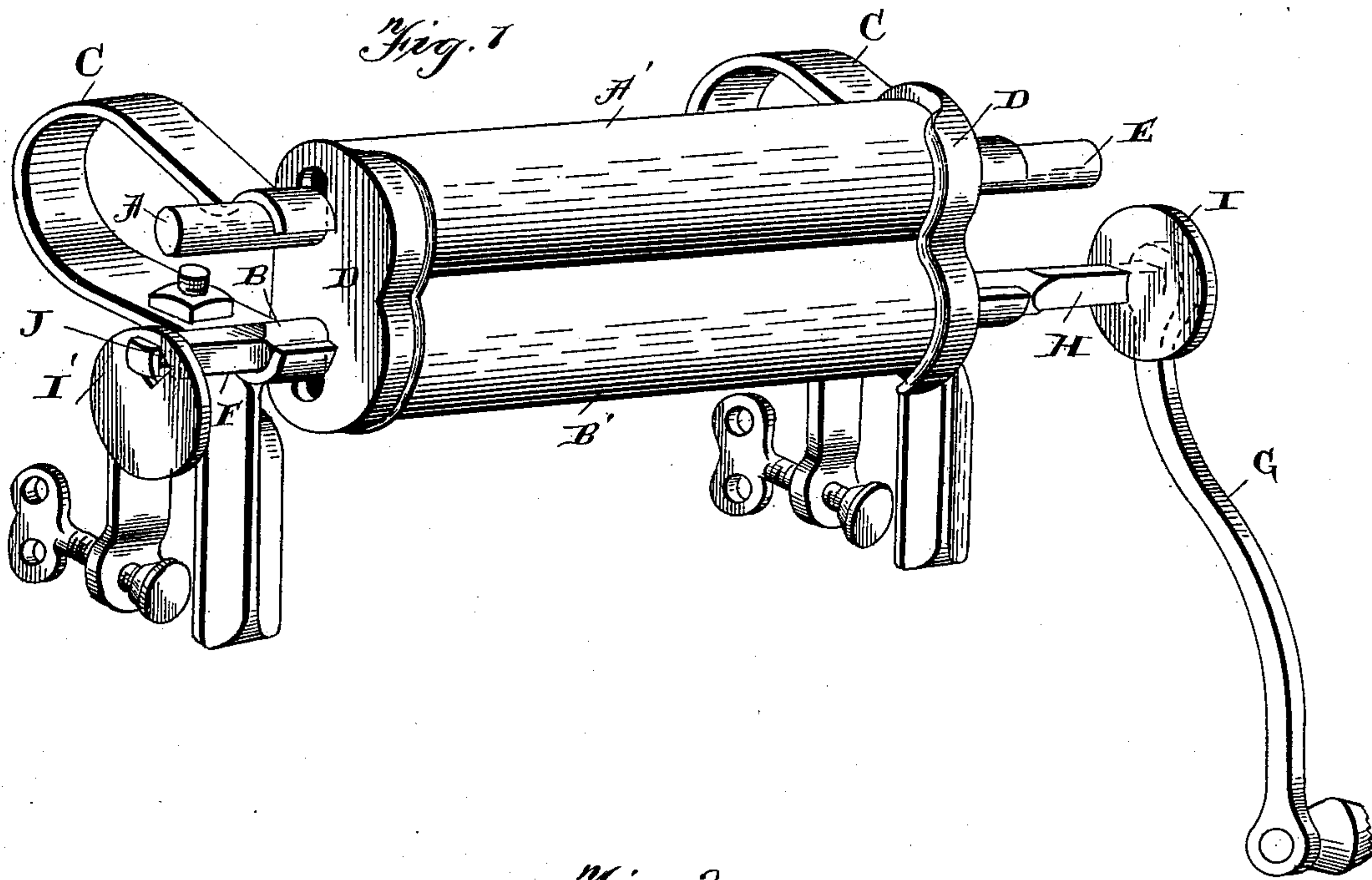


(No Model.)

P. IRONS.
CLOTHES WRINGER.

No. 592,202.

Patented Oct. 19, 1897.



Witnesses
Geo. C. Bruch,
Thos. E. Peck

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UNITED STATES PATENT OFFICE.

PERRY IRONS, OF ST. JOSEPH, ILLINOIS.

CLOTHES-WRINGER.

SPECIFICATION forming part of Letters Patent No. 592,202, dated October 19, 1897.

Application filed June 3, 1897. Serial No. 639,306. (No model.)

To all whom it may concern:

Be it known that I, PERRY IRONS, of St. Joseph, in the county of Champaign and State of Illinois, have invented certain new and useful
5 Improvements in Clothes-Wringers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference
10 being had to the accompanying drawings, which form part of this specification.

This invention pertains to clothes-wringers, and has particular reference to that class of wringers in which the rolls are held together
15 by springs; and the object of the invention is to provide improved means for holding the rolls separated when not in use, and thereby relieve them from the spring-pressure. The rolls being thus relieved when not in use will
20 wear much longer than when they are subjected to constant pressure.

The invention consists in the novel features of construction and in the combination and arrangement of parts hereinafter fully de-
25 scribed and claimed, and illustrated by the accompanying drawings, in which—

Figure 1 is a perspective view of my improved wringer. Fig. 2 is an elevation of the same with the rolls separated as when not in
30 use.

Shafts A and B, carrying, respectively, the upper and lower rolls A' and B', are journaled in the ends of the stout U-shaped springs C of old and well-known construction. The
35 usual guide-plates D embrace the shafts between the roll ends and the springs. The ends of shaft A are extended outward beyond the springs, as indicated at E, while shaft B at one end is similarly extended and squared,
40 as shown at F, while its opposite end is projected and carries crank G. Between the crank and spring C the shaft is squared, as shown at H, and mounted eccentrically on and adapted to turn with this squared portion
45 is curved plate I, which is adjustable longitudinally, so as to be brought to position beneath extended portion E of shaft A, while plate I', similar to plate I, is arranged at the

opposite end of shaft B and adapted to be similarly positioned beneath the opposite end
50 of shaft A. When not in use, plate I' hangs on the headed reduced portion J at the extremity of the shaft, as shown in Fig. 1. This plate is entirely out of the way and does not interfere with the operation of the wringer,
55 as is also plate I, which is moved outward toward the crank beyond shaft extension E.

After the wringer has been used the plates are moved on shaft B to position beneath ex-
60 tensions E of shaft A, and a partial turn of the crank brings them in contact with said extensions and raises shaft A, thus separating the rolls and relieving them of the pressure of springs C. When the wringer is again
65 needed, the crank-handle is sufficiently turned to remove the plates from engagement with extensions E when they are adjusted to the position indicated in Fig. 1, where they in
70 no way interfere with the operation of the wringer.

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

The combination of the spring-held upper and lower shafts carrying wringer-rolls and
75 formed with the extended ends, the extensions of the lower shaft in line with the extensions of the upper shaft being squared, the crank-handle at one end of the lower shaft, the
80 headed reduced portion J at the opposite end of the shaft and the curved plates eccentrically mounted and movable longitudinally on the lower shaft and adapted to engage the squared portions thereof so as to turn there-
85 with and engage and move the upper shaft away from the lower shaft, the plates when not in use being moved outward on the lower shaft, one of the plates being confined on the reduced portion J when not in use, substan-
90 tially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

PERRY IRONS.

Witnesses:

R. O. REN,

A. E. IRONS.