

(No Model.)

J. HESELWOOD.
MACHINE FOR WRINGING CLOTHES.

No. 605,290.

Patented June 7, 1898.

FIG. 1.

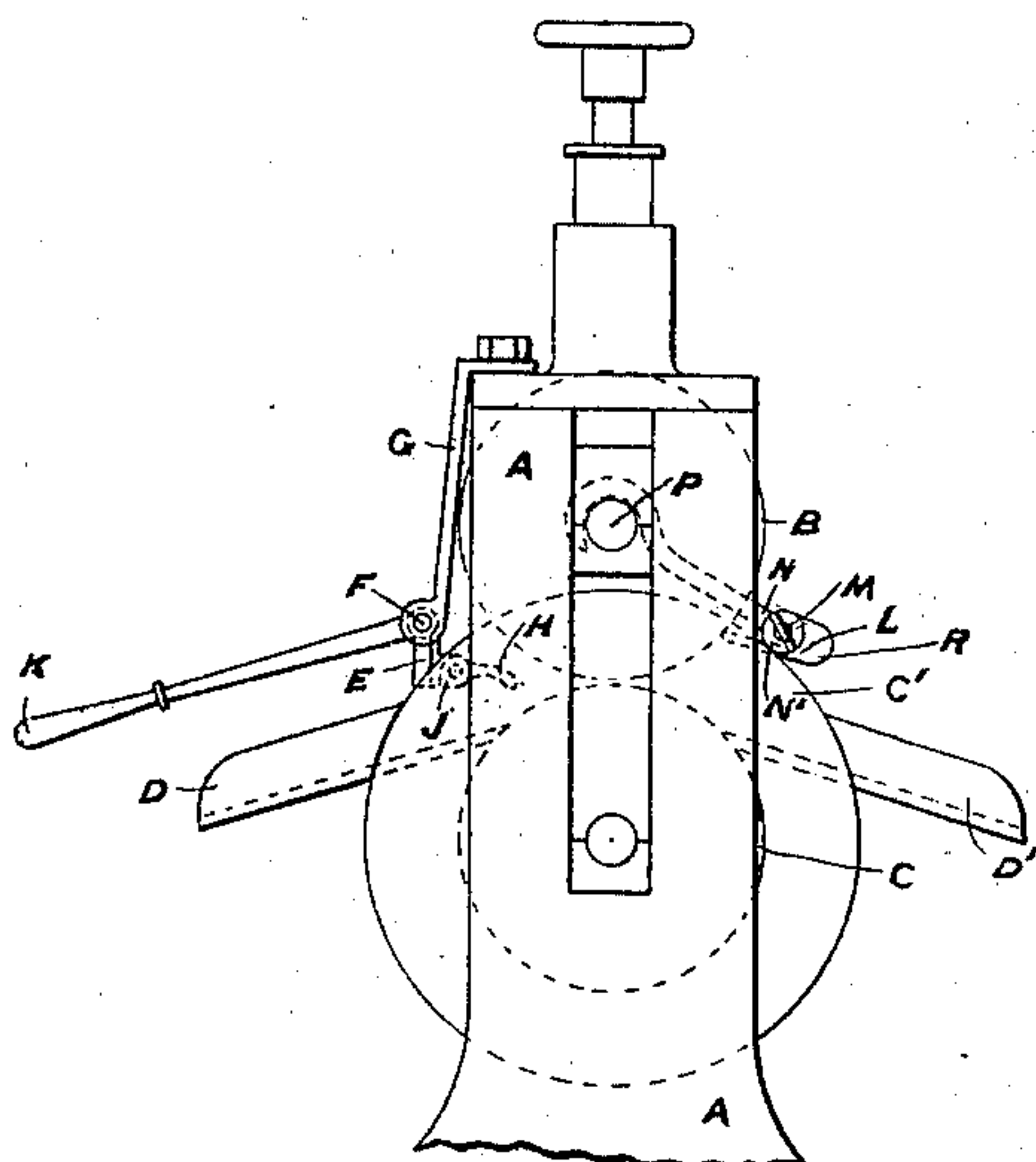


FIG. 2.

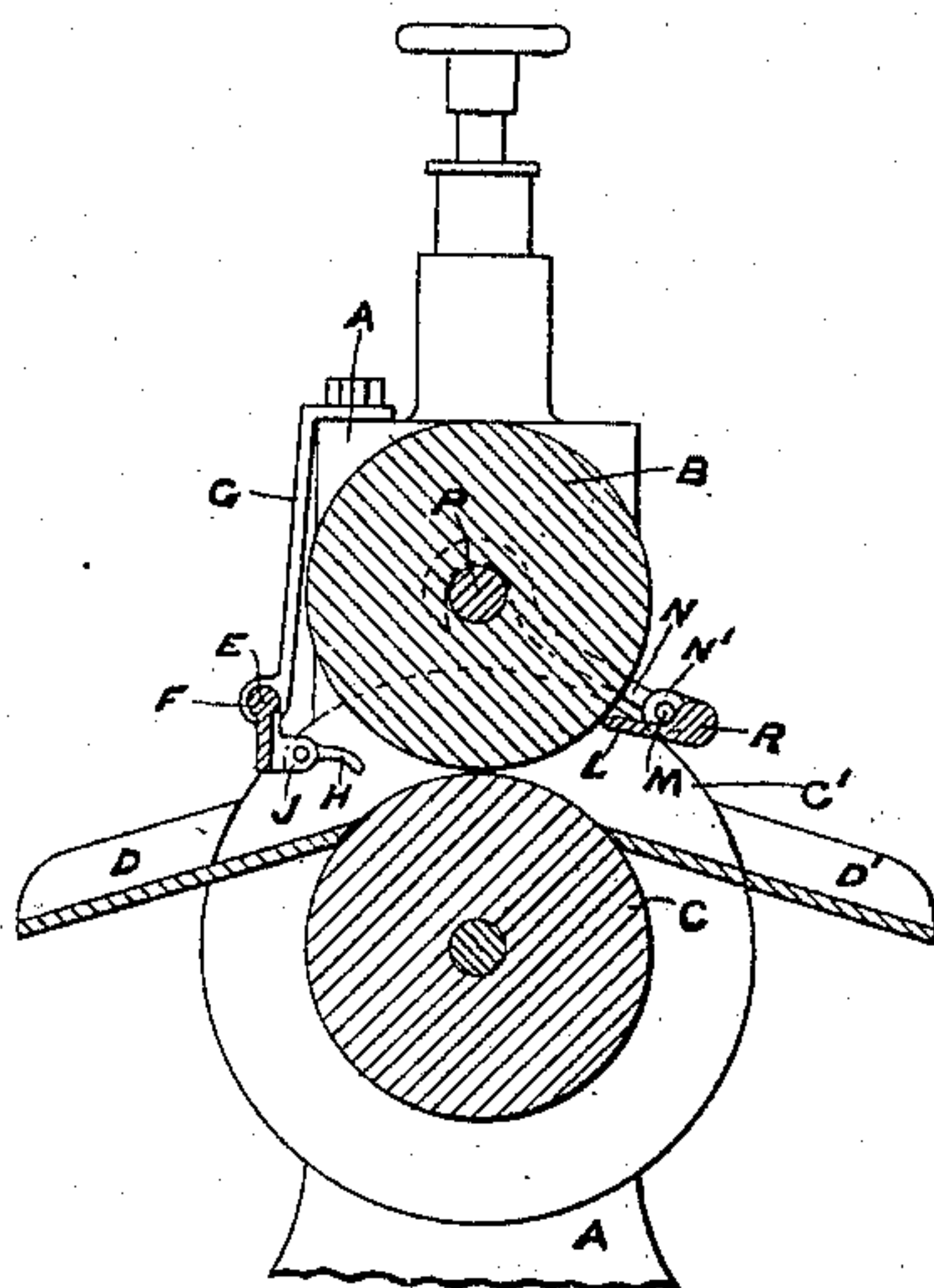


FIG. 3.

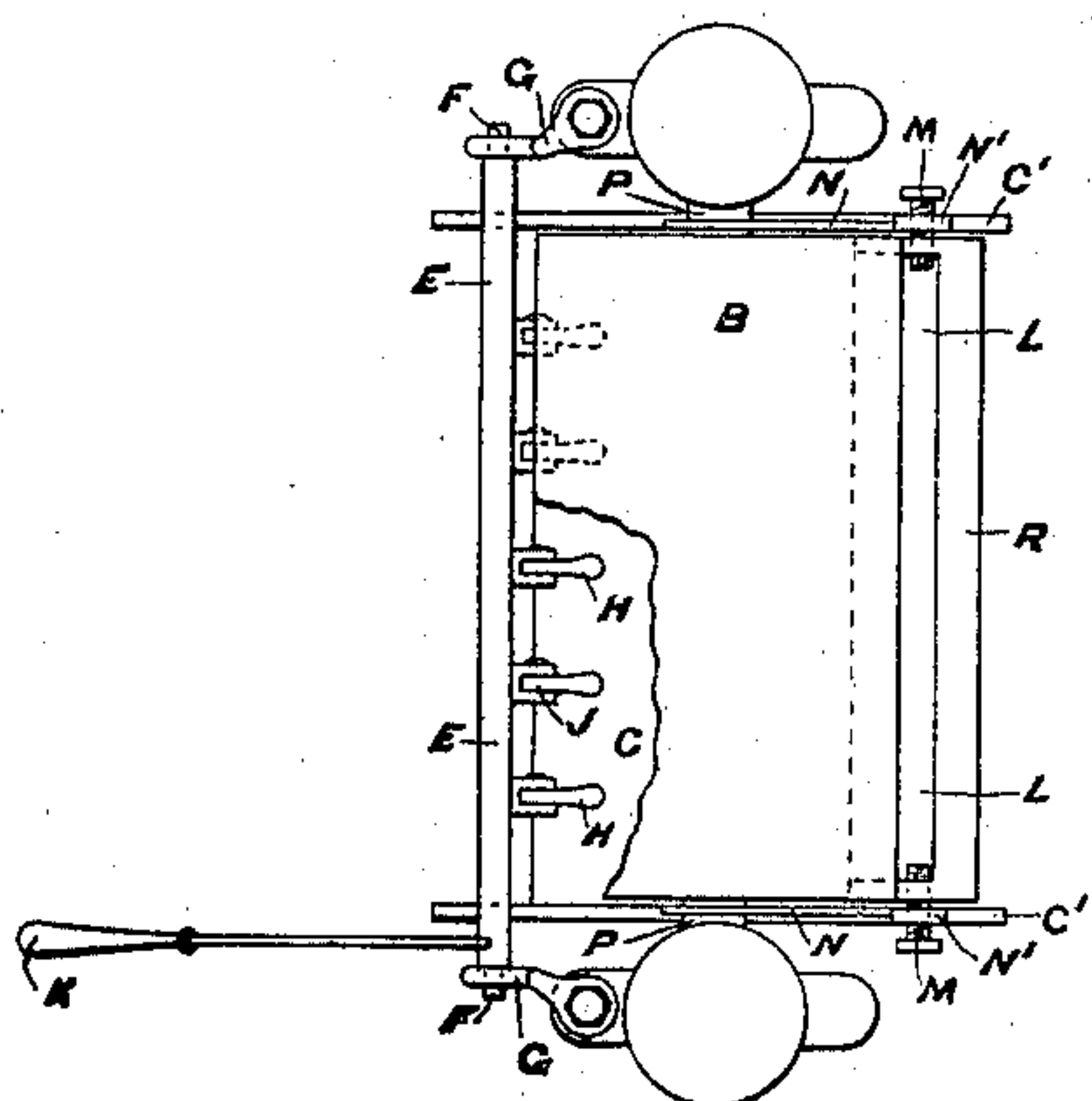
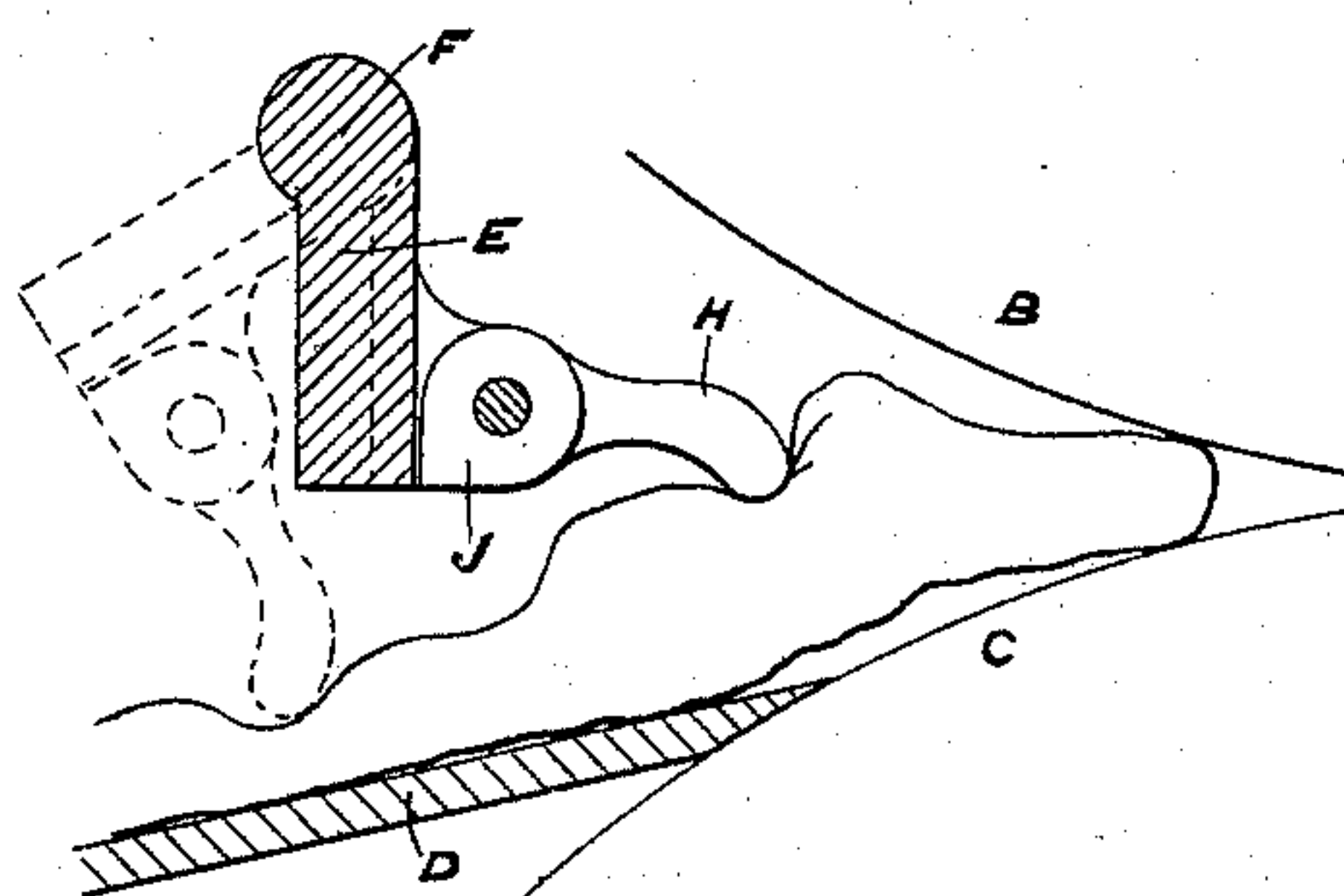


FIG. 4.



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UNITED STATES PATENT OFFICE.

JAMES HESELWOOD, OF LEEDS, ENGLAND.

MACHINE FOR WRINGING CLOTHES.

SPECIFICATION forming part of Letters Patent No. 605,290, dated June 7, 1898.

Application filed December 23, 1897. Serial No. 663,165. (No model.) Patented in England May 22, 1897, No. 12,716.

To all whom it may concern:

Be it known that I, JAMES HESELWOOD, a subject of the Queen of Great Britain and Ireland, and a resident of Leeds, in the county of York, England, have invented certain new and useful Improvements Connected with Roller-Machines for Wringing Clothes, (for which I have obtained a patent in Great Britain, No. 12,716, bearing date May 22, 1897,) of which the following is a specification.

The object of my invention is to construct apparatus for preventing clothes clinging to the rollers of wringing-machines, and also to enable the said clothes to be fed to the rollers without the danger of nipping the hands of the operator between the rollers.

Referring to the drawings which form a part of this specification, Figure 1 is a side elevation of a wringing-machine fitted with apparatus constructed according to my invention, and Figs. 2 and 3 are respectively a sectional elevation and a plan of the same machine. Fig. 4 is a detail view.

According to my invention, A is the frame of a wringing-machine, carrying the usual rollers B and C and feed and delivery boards D and D'.

E is a rocking frame which is fulcrumed on trunnions F, which are carried on brackets G, connected to the frame A.

H are fingers which are fulcrumed to the rocking frame E by means of stop-hinges J, and the said stop-hinges J allow the fingers H to turn freely in an upward direction, while they limit their movement in the opposite direction.

K is a handle which is attached to the frame E and which enables the said frame to be rocked on its trunnions F when it is desired to feed the clothes to the machine.

L is a tangential plate provided with trunnions M, and the latter are carried in bosses N' of two arms N, the said bosses resting on flanges C' of the roller C, while the opposite ends of the arms N hook onto the axle P of the roller B.

The tangential plate L is weighted at R for the purpose of keeping its front edge in contact with the surface of the roller B.

The clothes are fed up the feed-board D,

and they may be passed to the rollers B and C by hand in the ordinary way; but should the said rollers not grip the said clothes the handle K is lifted, thus causing the fingers H to be carried back over the clothes, and then on depressing the handle K the fingers H take a grip on the said clothes and feed them forward to the rollers B and C. Should the clothes adhere to the roller B as they pass through the machine, they are removed by the tangential plate L, thus preventing them being carried around the roller.

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

1. The combination with the two rollers in a wringing-machine and a feed-board to the same, of the rocking frame E having trunnions at the ends, the brackets G for supporting the rocking frame, the fingers H and stop-hinges for connecting the fingers to the rocking frame and a handle for turning the rocking frame, substantially as set forth.

2. The combination in a machine for wringing clothes with the two rollers and a flange at the end of the lower roller, of a tangential plate and two arms supported on the axle of the upper roller and resting on the flanges of the lower roller and carrying such tangential plate and a weight to keep the inner edge of the tangential plate in contact with the surface of the upper roller, substantially as set forth.

3. The combination in a wringing-machine having two rollers and a feed-board, of a rocking frame E and trunnions for the same, fingers and stop-hinges for connecting the fingers to the rocking frame, a handle for turning the rocking frame and a tangential plate and arms for suspending the same with the edge of the tangential plate adjacent to the surface of the upper roller, substantially as set forth.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

JAMES HESELWOOD.

Witnesses:

GRIFFITH BREWER,
JOHN JOWETT.