

No. 894,422.

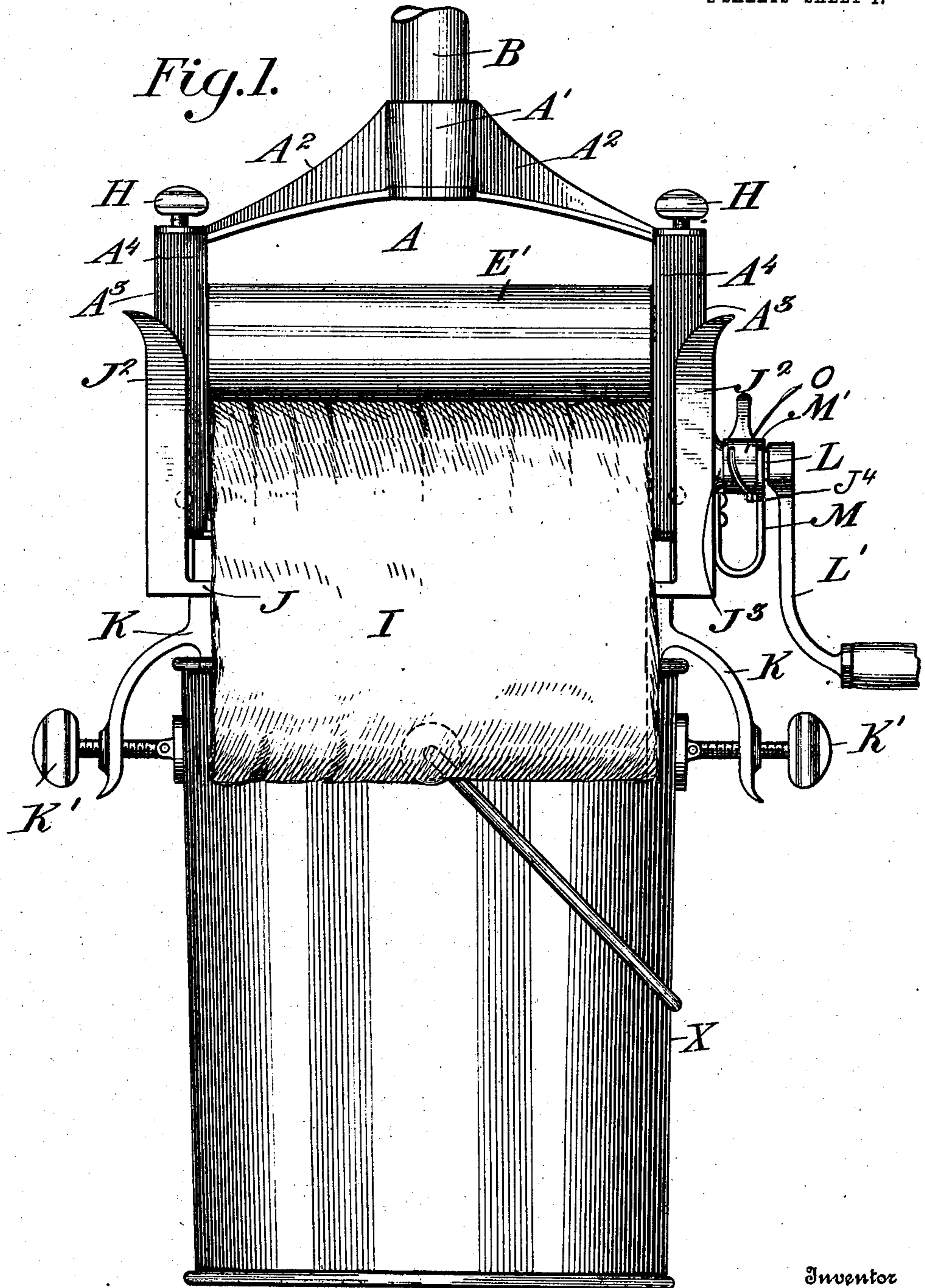
PATENTED JULY 28, 1908.

S. J. BUGH.

MOP HEAD AND WRINGING ATTACHMENT.

APPLICATION FILED JAN. 19, 1907.

2 SHEETS—SHEET 1.



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Witnesses

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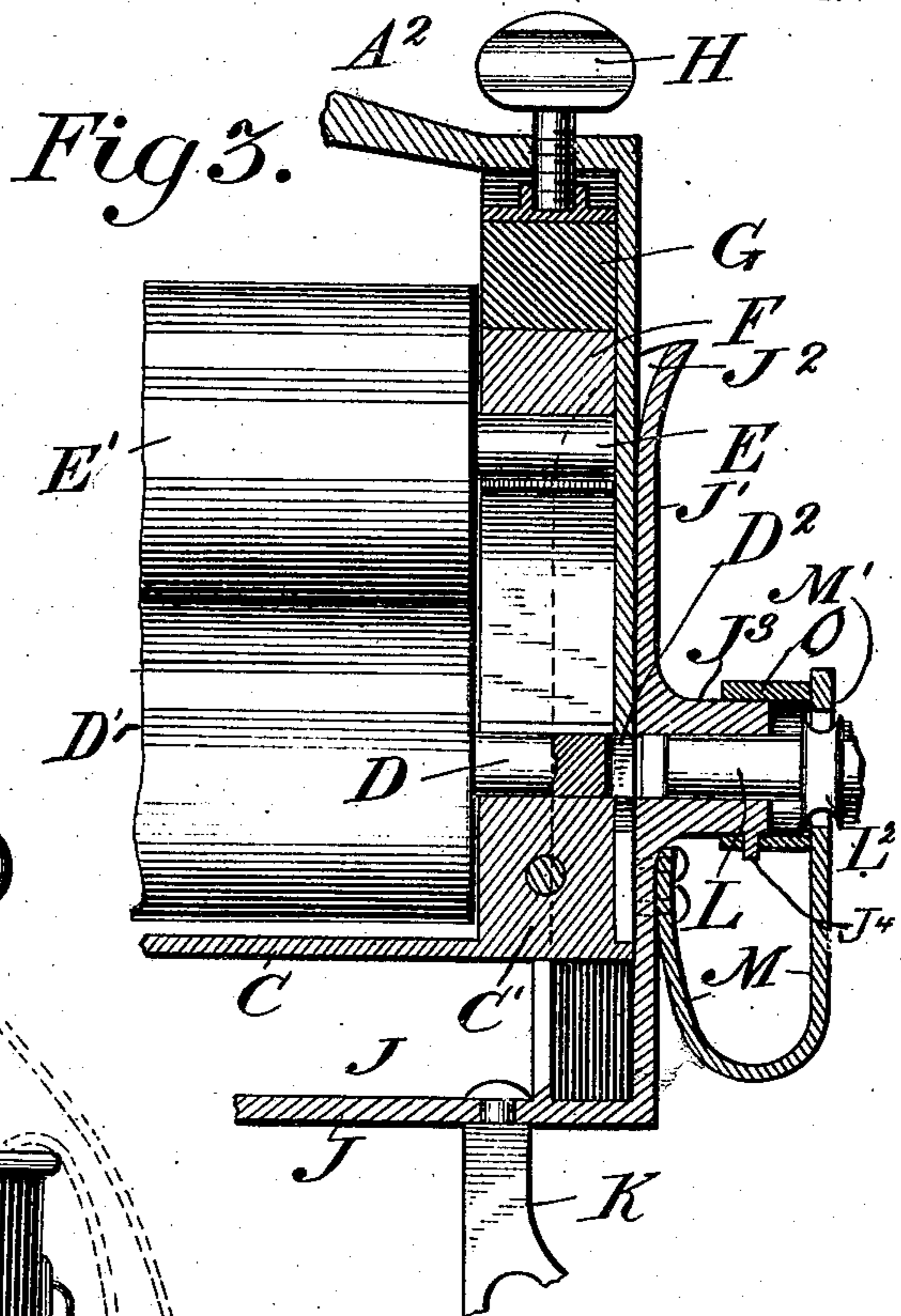
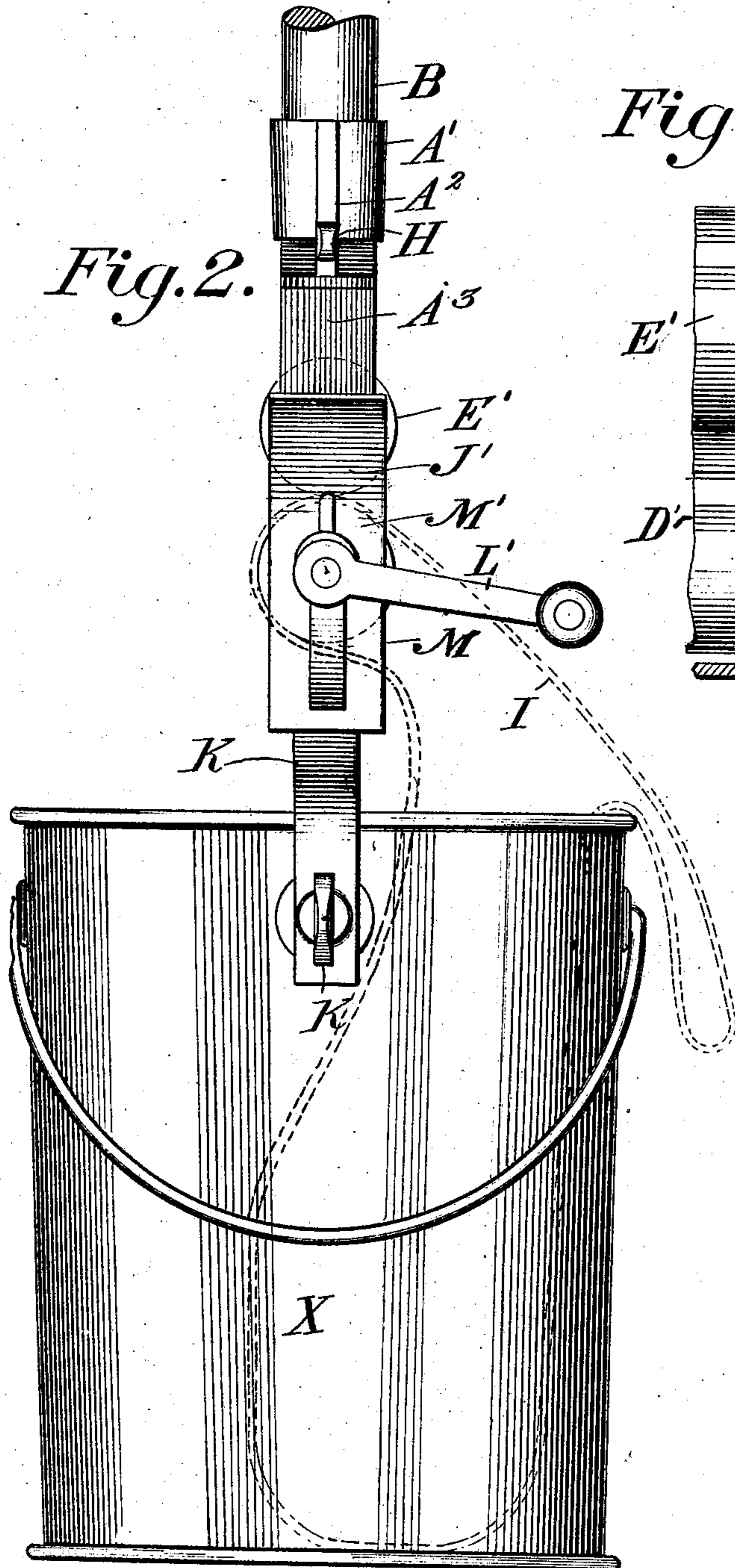
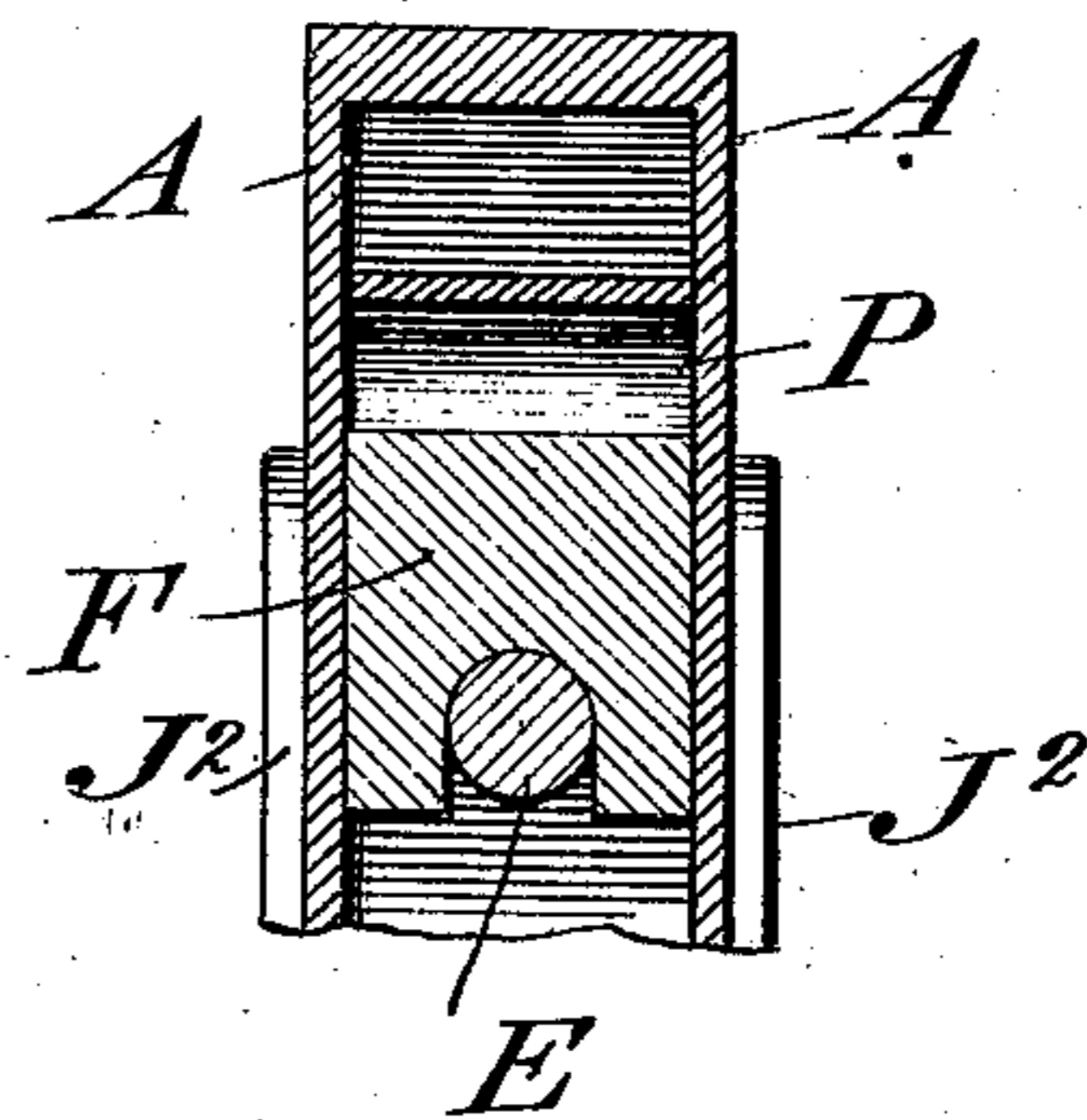


Fig. 4.



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UNITED STATES PATENT OFFICE.

SAMANTHA J. BUGH, OF DENVER, COLORADO.

MOP-HEAD AND WRINGING ATTACHMENT.

No. 894,422.

Specification of Letters Patent.

Patented July 28, 1908.

Application filed January 19, 1907. Serial No. 353,135.

To all whom it may concern:

Be it known that I, SAMANTHA J. BUGH, a citizen of the United States, residing at Denver, in the county of Denver and State of Colorado, have invented a new and useful Improvement in a Mop-Head and Wringing Attachment, of which the following is a specification.

This invention relates to mops and more particularly to mop head and wringing attachment, the object being to provide a mop which can be easily and quickly wrung when desired.

Another object of my invention is to provide very novel operating means adapted to be secured on a pail for operating the wringing rollers.

With these and other objects in view, the invention consists in the novel features of construction, combination and arrangement of parts hereinafter fully described and pointed out in the claims.

In the drawings forming a part of this specification: Figure 1 is a front elevational view of my improved frame which carries a mop cloth in position to be wrung by the operating means. Fig. 2 is a side elevational view of my improved device showing the mop head supported by the wringing attachment and the mop cloth in position to be wrung. Fig. 3 is a detail vertical sectional view of Fig. 1, and Fig. 4 is a detail sectional view of a modification.

In the drawings A indicates the mop frame provided with a central socket A', on the top-cross A² in which is secured an ordinary handle B. The sides A³ of the frame are provided with inwardly projecting flanges A⁴, between the lower ends of which are secured the journal-blocks C' formed adjacent each end of a cross-bar C, in which are mounted the ends of a shaft D, carrying a rubber pressure roller D'. The ends of the shaft D are bifurcated as shown at D², and a slot is formed in the side of the frame in alinement with the shaft for the purpose hereinafter described.

Mounted on the roller D' is a rubber roller E' carried by a shaft E, the ends of which are mounted in journal-blocks F, slidably mounted between the flanges of the sides of the frame. A block of rubber G is arranged on the block F, for holding the roller E' into engagement with the roller D', adapted to be engaged by a plate carried by the end of a

thumb-screw H mounted in threaded openings formed in the cross-bar A², adjacent its ends for adjusting the bearing.

An endless mop-cloth I is mounted on the roller adapted to be engaged by the roller E' and held in place while in use.

A frame J provided with forked shaped arms K is adapted to be arranged over a pail X, the forked arm being securely clamped over the edge of the pail by thumb-screws K' working in threaded openings in the outer fork of the arm K, provided with pivoted clamping plates at their end, adapted to engage the outside of the pail. The sides J' of the frame J are provided with flanged upper ends and inwardly projecting flanged sides J², forming guide-ways in which the sides of the mop-frame are adapted to fit and be securely held when the mop is being wrung. A boss J³, is formed on one side of the frame in which is mounted a shaft L provided with a crank-handle L' at its outer end. A pulley L² is fixed on the shaft adjacent the crank over which the slotted end portion M' of a flat bowed spring M secured to the side of the frame is adapted to work, for holding the shaft in place.

A sleeve O is mounted on the boss J³, provided with a spiral-slot O' in which works a pin J⁴, extending out from the boss J³, adapted to force the shaft out of engagement with the shaft D, when desired.

In the modification shown in Fig. 4, a bowed spring P is arranged under the cross-bar of the mop-frame, the ends of which bear against the bearing member F, for holding the rollers together.

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

1. The combination with a mop head provided with pressure rollers, of a frame adapted to receive said mop head and means carried by said frame for operating said rollers.
2. The combination with a frame provided with guide-ways, of a mop head adapted to fit in said guide-ways, shafts carrying pressing rollers carried by said mop head, one of said shafts having a bifurcated end, and a shaft carried by the frame adapted to engage the bifurcated end of the shaft above mentioned.

3. The combination with a frame, means for securing said frame to a pail, guide-ways carried by the frame, a slidable shaft mount-

ed in the frame, a pulley fixed on said shaft,
a mop head adapted to slide in said guide-
ways, pressure rollers carried by said mop
head, one of said pressure rollers having an
5 end portion adapted to lock with the slid-
able shaft of the frame, a spring secured to
the frame and having a slotted end portion

working over the pulley, as and for the pur-
pose set forth.

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