

(No Model.)

W. W. ADAMS & D. R. SNELLING.

WASHING MACHINE.

No. 269,984.

Patented Jan. 2, 1883.

Fig. 1.

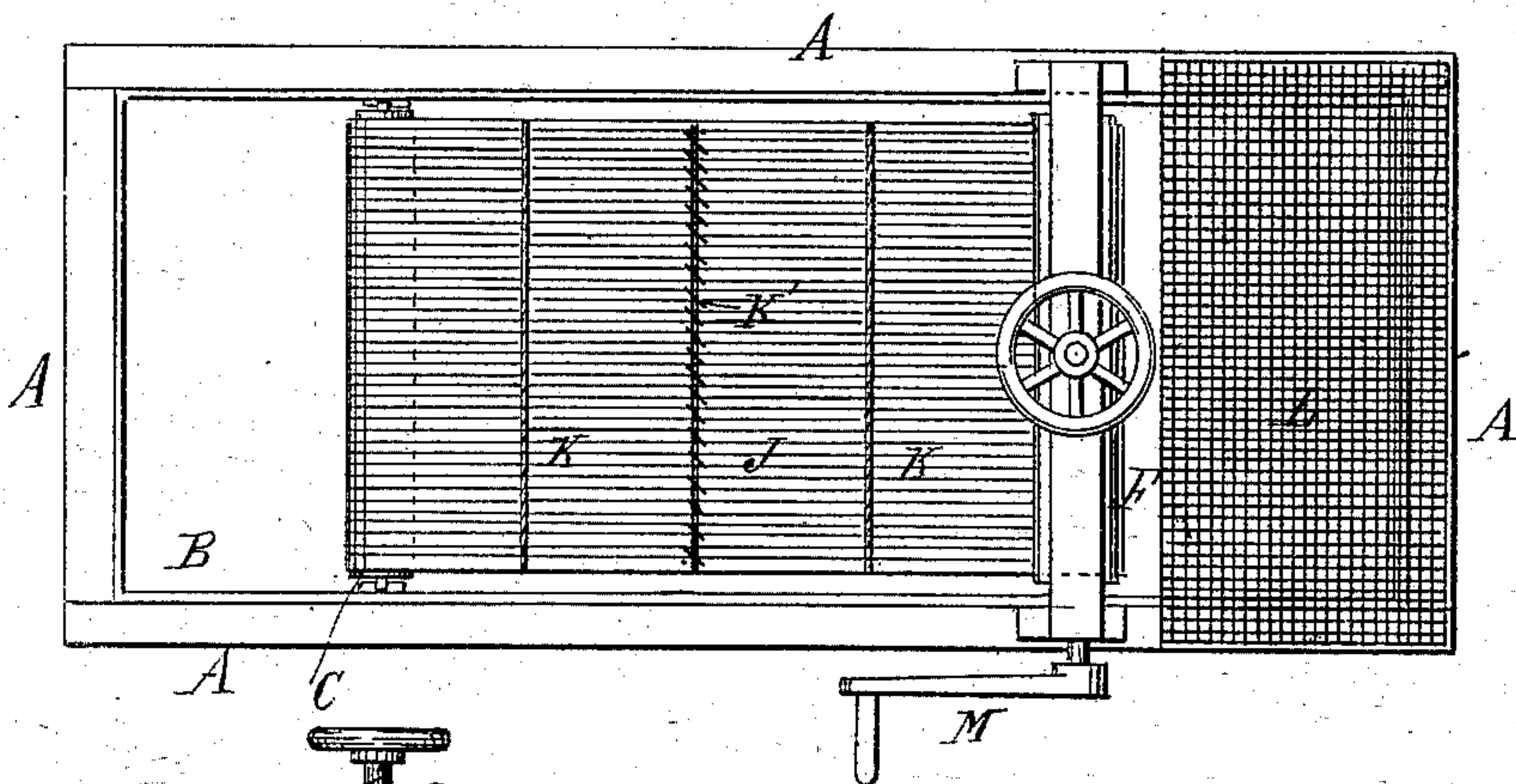


Fig. 2.

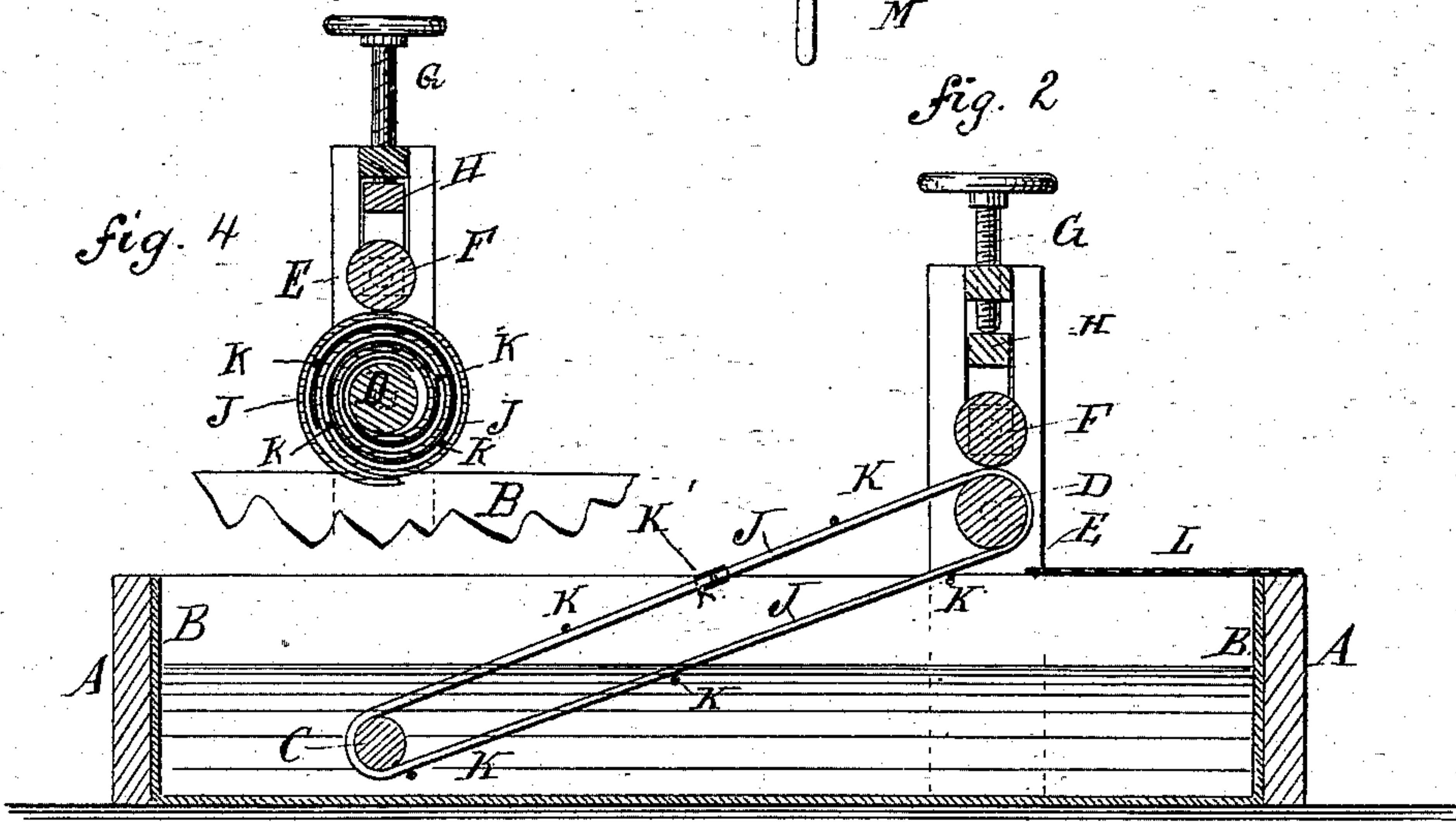
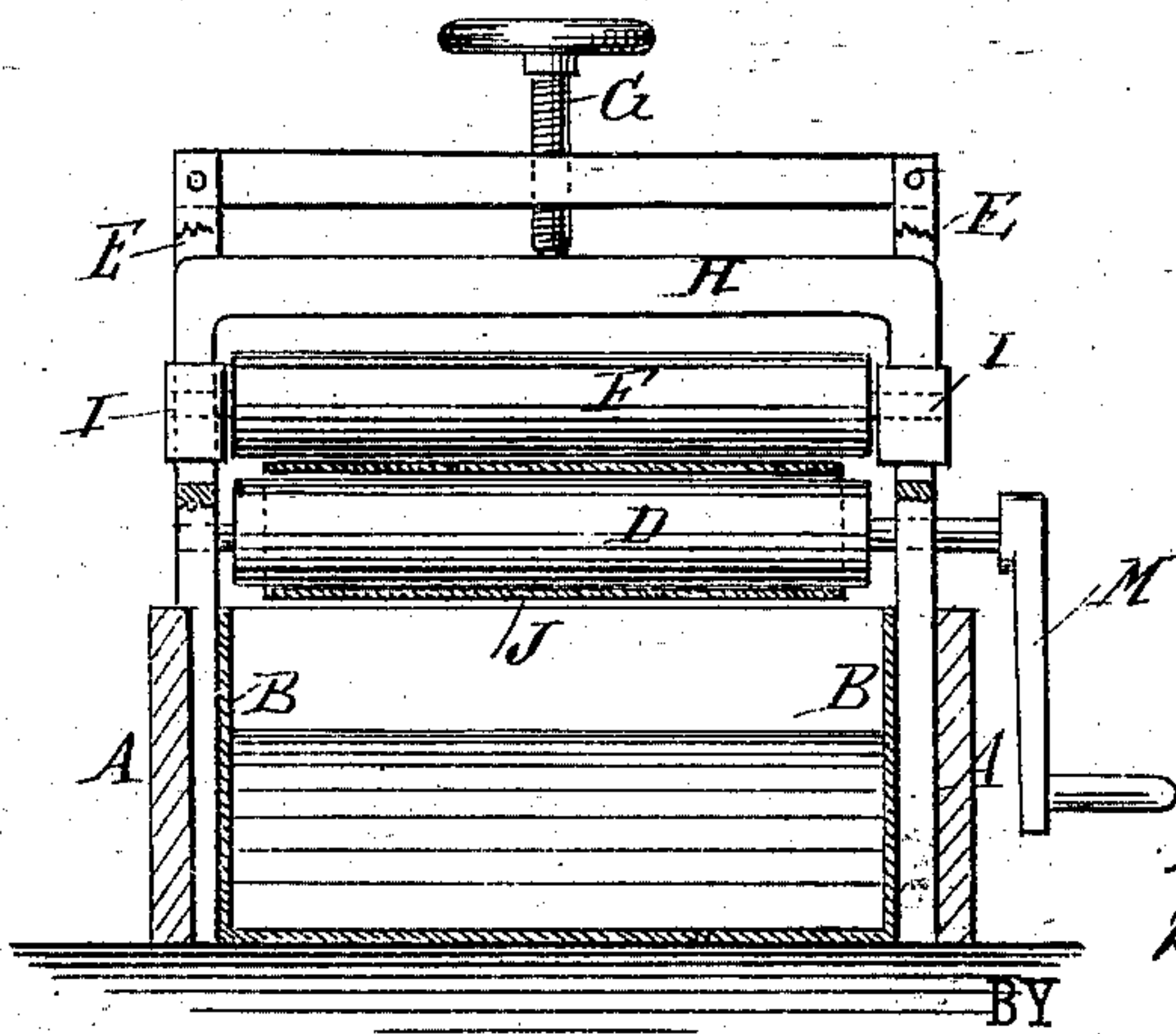


Fig. 3.



WITNESSES:

Chas. N. Adams
C. Snelling

INVENTOR:

W. W. Adams
D. R. Snelling
Mum & Co
ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM W. ADAMS AND DAVID R. SNELLING, OF OZARK, ARKANSAS.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 269,984, dated January 2, 1883.

Application filed April 29, 1882. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM WINFREY ADAMS and DAVID RANDOLPHUS SNELLING, both of Ozark, in the county of Franklin and State of Arkansas, have invented a new and Improved Combined Washing and Wringing Machine, of which the following is a full, clear, and exact description.

Heretofore combined washing and wringing machines have been constructed in which two parallel rolls are journaled in the sides of the box near its bottom and in the wash-water. These rolls carry an endless belt, to which the clothes to be washed are secured by cords, and the belt is provided with a belt-fastener, so that it may be removed, if desired. A spring pressure-roll is also employed to bear on one of the rolls in wringing the clothes after the washing is completed; and in order to wring the clothes in this construction it is necessary to draw off the water from the tub, as the rolls are immersed in the water. Such water usually contains dissolved soap and blue, which are thus lost, and may be but slightly soiled and still adapted for washing purposes.

To remedy these defects and wring the clothes in this class of washing-machines without withdrawing the water from the tub, and subsequently refilling the tub for washing purposes, and at the same time to wring the clothes without removing them from the belt, is the object of our invention; and to these ends it consists of the combination, with a tub provided with a roller near its bottom and standards secured to its sides, of an adjustable spring-pressed roller, a roller arranged above the top of the tub, and an inclined belt provided with a belt-fastener, and fastening-cords for the clothes, the endless belt passing around the lower rollers while washing and wound around the upper of the two lower rollers while wringing them, whereby the clothes are washed and wrung without removing them from the belt or withdrawing the water from the tub.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of our improved machine. Fig. 2 is a longitudinal sectional elevation. Fig. 3 is a transverse section; and Fig. 4 is a detail view, showing the endless belt of clothes wound upon a roll for wringing.

A represents the sides and ends of a rectangular box of wood, inclosing the sides and ends of a sheet-metal pan, B, the bottom of which is exposed suitably to be heated over a fire.

C represents a roller located directly over the bottom of the pan, near one end thereof.

D represents another roller in standards E, above the top of the box and near the other end of it.

F is a pressure-roller in said standards E and over roller D, with a set-screw, G, and a spring pressure-bar, H, acting upon its boxes I to regulate its pressure on roller D.

J represents an endless belt of cloth, provided with a belt-fastener, K', of any ordinary construction, and arranged to run over rollers C D and between D and F, to which belt the clothes to be washed are to be tied by cords K, so as to be carried along through the water and between rollers D and F.

L is a perforated board or screen to be used in wringing, to prevent the wrung clothes from falling back into the tub.

The clothes, preparatory to being washed, are to be laid on belt J in a spread-out condition, and the cords K are to be tied over them until the whole length of the belt is loaded. The rollers are then worked by the crank M to run the clothes around between them as long as is needed to wash the clothes. After washing the clothes the belt J is taken off from roller C, by unfastening the belt-fastener K', and wound tightly upon roller D. Another soft cloth is similarly rolled on F, and in this condition the two rollers are used for wringing the clothes.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

In a washing and wringing machine, the combination, with the tub A B, provided with the roller C near its bottom, and the standards E, of the adjustable spring-pressed roller

F, roller D, arranged above the top of the tub, and the inclined belt J, provided with transverse fastening-cords K and belt-fastener K', and passing around rollers C D while washing, and wound around roller D while wringing, substantially as shown and described, whereby the clothes are washed and wrung

without removing them from the belt or withdrawing the water from the tub.

WILLIAM W. ADAMS.
DAVID R. SNELLING.

Witnesses:

THOMAS C. MOORE,
PLEASANT W. HARRIS.