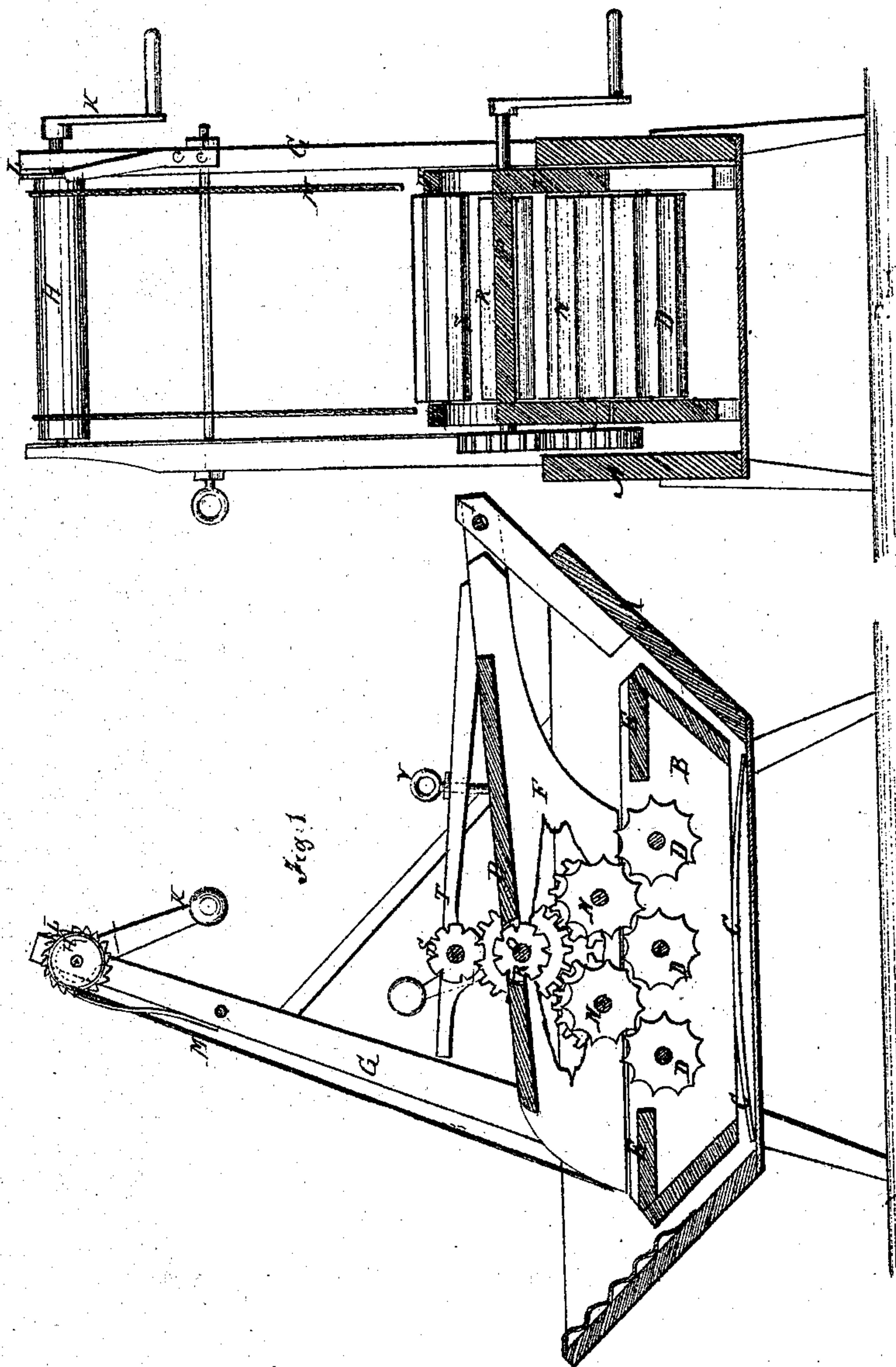


O. Steel,
Wringing Machine.

No. 94,848.

Patented Sep. 14. 1869.



Witnesses:

Chas. Nida
Wm. Clark

Inventor:

O. Steel

per Munn & Co

Attorneys.

United States Patent Office.

ORIN SKEEL, OF WINSLOW, ILLINOIS.

Letters Patent No. 94,848, dated September 14, 1869.

IMPROVED WASHING AND WRINGING-MACHINE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ORIN SKEEL, of Winslow, in the county of Stephenson, and State of Illinois, have invented a new and improved Washing and Wringing-Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in washing-machines, having for its object to provide a simple and efficient machine, and a wringing-attachment thereto.

The improvement comprises an arrangement of grooved rubbing-rollers on a spring-bed in the bottom of the tub; also, in conjunction therewith, an arrangement of grooved rollers, on a hinged frame, above the first-mentioned rollers, between which two sets the clothes are drawn back and forth, by turning the upper rollers, first one way and then the other, by means of a crank and suitable connecting-gears.

The said improvement also comprises a wringing-attachment to the hinged frame, and an arrangement whereby it is operated by the same crank that works the grooved rollers.

Figure 1 represents a longitudinal sectional elevation of my improved machine; and

Figure 2 represents a transverse section of the same.

Similar letters of reference indicate corresponding parts.

A represents the tub, and B a frame therein, resting on springs C, and supporting two or more grooved rollers, D, horizontally across the said frame, and a little higher than the table E, at each end of the said frame.

F represents a frame, hinged at I to arms rising up from the end of the tub, and arranged for its free end to work up and down between the posts of the vertical frame G, near the opposite end of the tub.

This frame G is provided with a winding drum, H, crank K, cord M, and ratchet L.

The cord is connected to the free end of the frame F. The latter supports two or more grooved rollers N, in a position to work in conjunction with the rollers D, on the clothes placed between them.

The said rollers N are provided with gear-wheels, gearing with a wheel on the crank-shaft O, working in an opening through the table P, of the frame F, and provided with a wringing-roller, R.

S is another wringing-roller, arranged in bearings on the adjustable springs T, fixed on the top of the frame F, and provided with adjusting-screws U.

V represents a grooved board at the end of the tub, for convenience in washing by hand, when required.

The frame F is raised, for the insertion of the clothes between the rollers D and N, by the crank K, cord, and drum, and is held up, when required, by the ratchet and pawl.

When operating on the clothes, the whole weight of the frame F and rollers may be let down upon the clothes by disconnecting the pawl, or a part of the weight may be suspended by the pawl-cord, and drum and ratchet, by turning the crank, and winding up the cord, so as to take upon it a part of the weight.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

The combination of the tub, the spring-supported frame E, rollers D, hinged frame F, and the rollers N, when arranged with the shaft of the driving-gear for the rollers N, and the table P, of the wringer-roller R and the roller S, supported in adjustable spring-bearings T, all substantially as specified, with the windlass, as shown.

ORIN SKEEL.

Witnesses:

EDWD. HUNT,
J. N. FULLER.