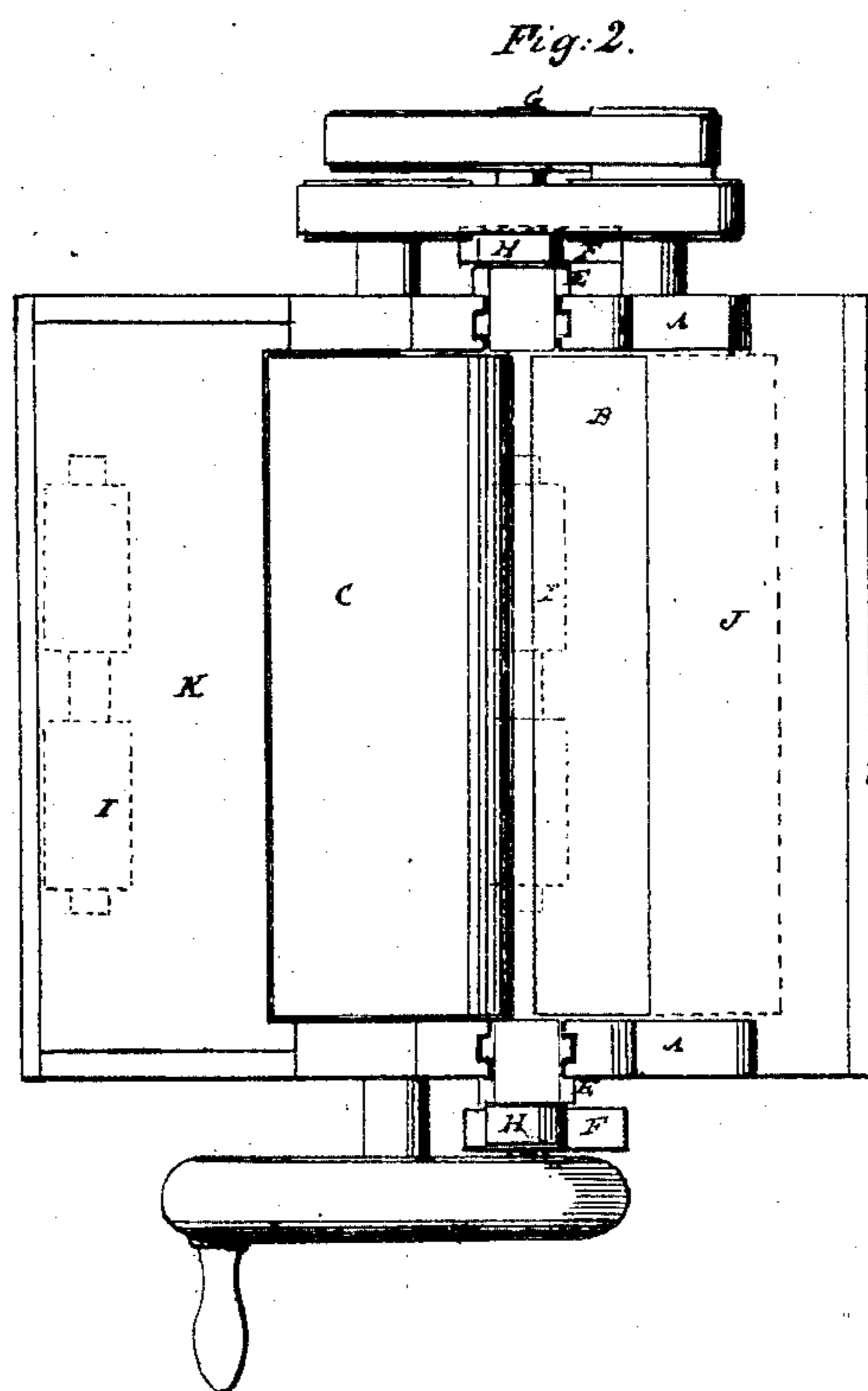
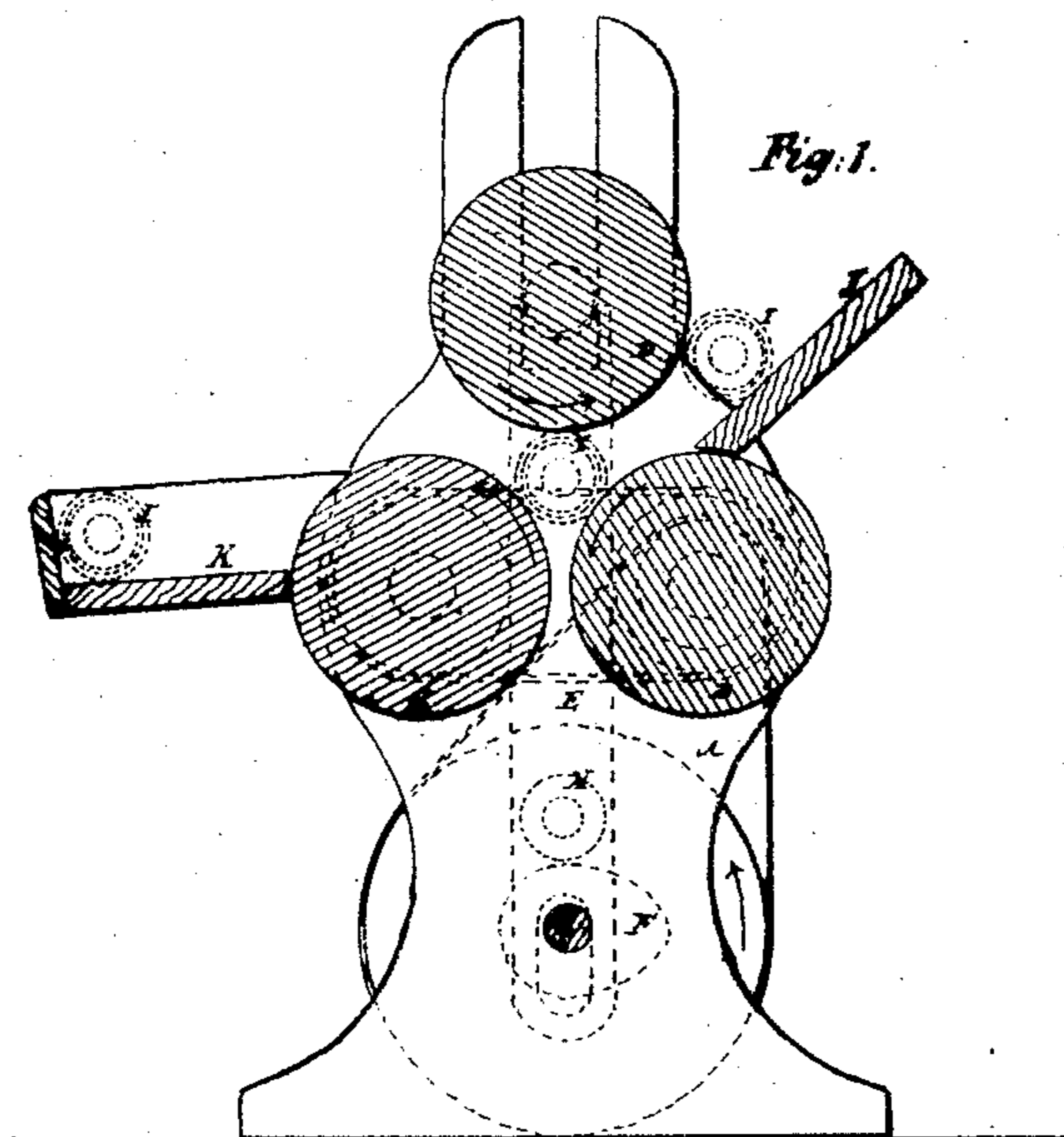


W. C. Joslin.
Rolling "Cots" on Drawing Rollers.
Nº 76199 *Patented Mar. 31, 1868.*



Witnesses:

McComb
Adell

Inventor:

W. C. Joslin
per Brown & Combs

United States Patent Office.

WILLIAM C. JOSLIN, OF PUTNAM, CONNECTICUT.

Letters Patent No. 76,199, dated March 31, 1868.

IMPROVEMENT IN MACHINE FOR ROLLING "COTS" ON DRAWING-ROLLERS.

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, WILLIAM C. JOSLIN, of Putnam, in the county of Windham, and State of Connecticut, have invented a new and useful Machine for Rolling the Top Drawing-Rolls, and Cots thereon, of Spinning-Frames, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification, and in which—

Figure 1 represents a vertical transverse section of a machine, for the purpose above described, constructed according to my invention, and

Figure 2 a plan of the same, with the upper roller removed.

Similar letters of reference indicate corresponding parts.

The object of this, my invention, is the construction of a machine, which shall operate by roller-pressure or action, to roll and give a uniform surface to the top rolls of drawing-rolls of spinning-frames, either when the same are merely clothed up or after the cots are drawn on; and my invention consists in a certain combination of lower rollers, driven to travel in a like direction, and upper loose or free roller, made to rise and fall at intervals for reception and delivery of the work, which is fed in at one side of the machine, and delivered at the opposite.

Referring to the accompanying drawing, A A are the side uprights or frame of the machine, of any suitable construction, and carrying a lower pair of horizontal rollers, B and C, arranged in close proximity, and parallel to each other. Over these rollers, at a suitable distance from them, is a third horizontal roller, D, hung in vertically-sliding frames E, and raised, at intervals, by the action of cams F on a shaft, G, acting under or against bowls H, connected with the sliding frames, or the same may be lifted and lowered by any suitable mechanical devices. This latter roller may be hung loose or free, to rotate with the work, while the lower rollers may be driven by belts and pulleys from the shaft G, to travel as indicated by their respective arrows.

The rolls I, to be worked, (shown by red lines,) after they have been suitably clothed up—that is, covered with cloth or other suitable material on their peripheries, or it may be only after their outer covering of leather or cots is drawn on them, either or both—are laid on an inclined table, J, and each time the upper roller, D, is raised by the action of the cams F, a roll, I, is admitted between the rollers B C D, that, in their rotation and action on said roll I, serve to roll tightly the clothing or cot, and to give a uniform surface to the same. The roll thus worked is delivered into a trough, K, by the next succeeding roll-feed, in striking or driving it out on the rising again of the upper roller D. In this way are great celerity and perfection attained in finishing work of the character described.

What is here claimed, and desired to be secured by Letters Patent, is—

The combination of the rollers B C, feeding and delivering-boards J K, and roller D, the latter having an intermittent motion to and from the others, all arranged for operation substantially as and for the purpose specified.

WM. C. JOSLIN.

Witnesses:

LAYMAN B. POTTER,

EDWARD W. LEVIN.