(No Model.) 2 Sheets—Sheet 1.

W. BULLOCK.

IRONING MACHINE.

No. 454,456. Patented June 23, 1891.

FIG. 1.

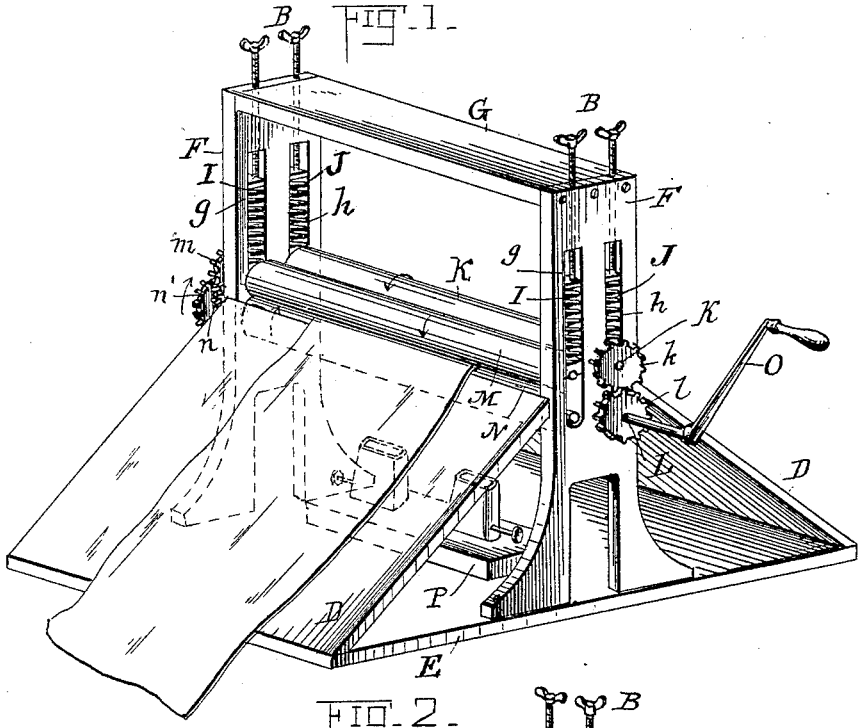
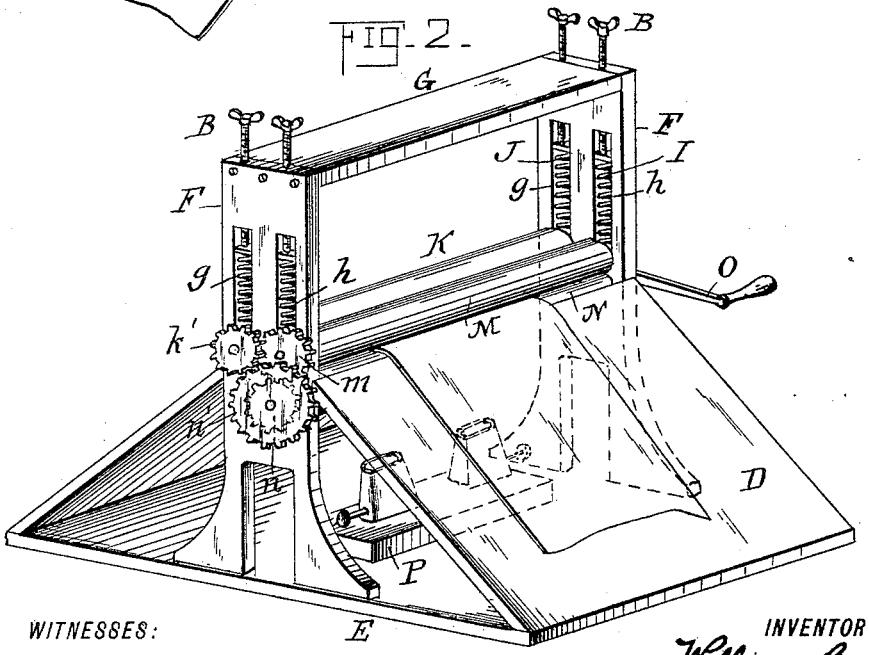


FIG. 2.



WITNESSES:

Sam'l R. Turner.

W. M. Dorsey

INVENTOR

William Bullock

BY Geo. G. Schroeder

HIS ATTORNEY.

(No Model.) 2 Sheets—Sheet 2.

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FIG. 3.

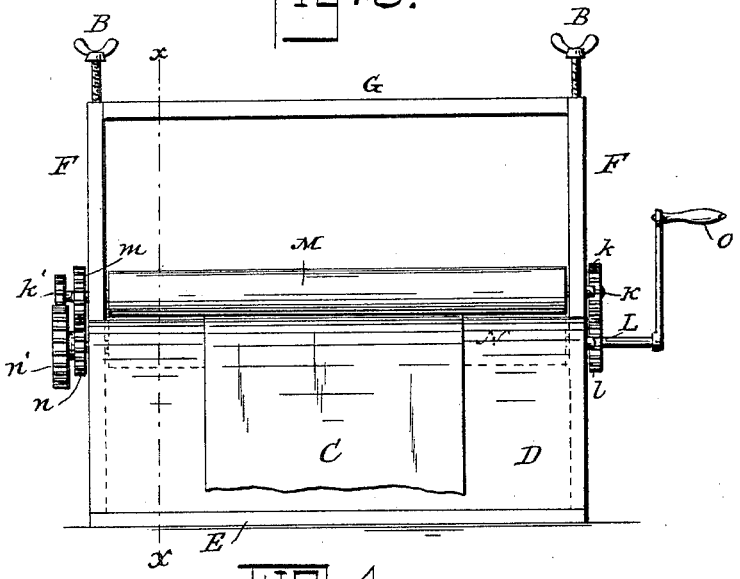
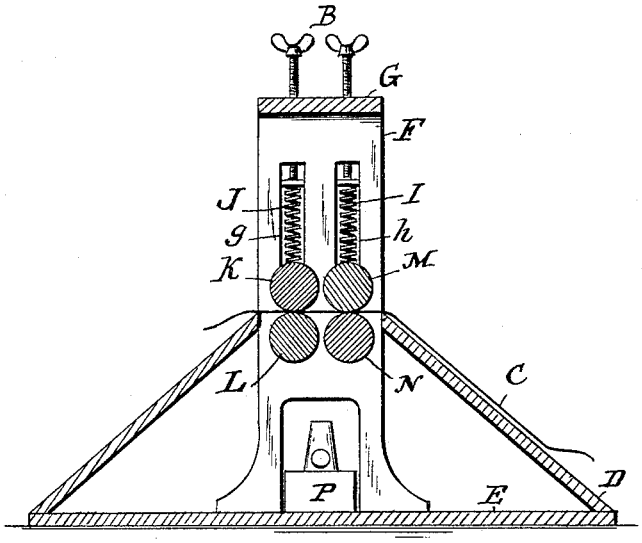


FIG. 4.



WITNESSES:

Sam'l R. Turner.

Vernon M. Dorsey

INVENTOR

W. Bullock

BY

Geo. G. Schroeder

HIS-ATTORNEY.

UNITED STATES PATENT OFFICE.

WILLIAM BULLOCK, OF CLEVELAND, OHIO.

IRONING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 454,456, dated June 23, 1891.

Application filed September 18, 1890. Serial No. 365,336. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM BULLOCK, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Ironing-Machines; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to laundry appliances, and aims to provide a machine to facilitate the process of ironing, and by means of which unstarched clothing, large or small, underwear, towels, napkins, sheets, curtains, &c., can be readily ironed. Collars and cuffs can also be ironed by this machine, and gives a polish equal to the workmanship of the most expert laundryman.

The improvement consists of the novel features and the peculiar construction and combination of the parts, which will be hereinafter more fully described and claimed, and which are shown in the annexed drawings, in which—

Figure 1 is a perspective view of a machine embodying my invention. Fig. 2 is a perspective view of the reverse side of the machine. Fig. 3 is a side view; and Fig. 4 a transverse section of the machine on the line x x of Fig. 3.

Referring to the drawings, similar letters denote corresponding parts in each of the figures.

The base E, of wood or other suitable material, is provided with the standards F F, which are secured at their lower ends thereto. The cross-bar G connects the standards together at their upper ends. The standards have corresponding slots g and h, in which are inserted the journals of the ironing-rollers K, L, M, and N. The journals of the lower rollers L and N rest on the bottom or closed ends of the slots, whereas the upper rollers K and M are free to rise to adapt themselves to the bulk of clothing passing between them and the lower rollers. The springs I and J, arranged in the upper portions of the slots g and h, serve to hold the rollers K and M down with sufficient pressure to effect the desired result. The tension of these springs is regulated by the set-screws B.

The ironing-rollers are of metal, polished or nickel-plated, and are geared together in the following manner: The journals of the rollers L and K are extended and provided with the equal-sized pinions l and k, respectively, and the journal of the roller L is further provided with the crank o, by means of which motion is imparted to the rollers. On the left-hand side of the machine the journals of the rollers M and N are provided with the equal-sized pinions m and n, respectively, which are in mesh, and the journals of the rollers K and N are projected beyond the plane of the pinions m and n, and are provided with the pinion k' and the gear-wheel n', respectively, the said pinion k' being smaller than the wheel n'. By this arrangement of gearing it will be seen that the rollers K and L will be driven relatively faster than the rollers M and N. Hence in operation the rollers M and N will draw the clothing between them slowly, while the rollers K and L will slide over the clothing, which is fed to the sides of the machine upon which the rollers M N are placed.

The lamp P, arranged beneath the rollers, furnishes the requisite heat for maintaining the rollers at the proper temperature for doing the ironing.

The supports D D, one for each end of the machine, incline from the base toward the rollers and terminate at a point opposite the meeting portions of the upper and the lower rollers.

I claim—

In an ironing-machine, the combination, with slotted standards, of two rollers having their journals held in the base of the slots therein, a roller above each of the said rollers having journals movably mounted in the

said slots, the journal of each lower roller having a pinion thereon engaging a pinion of equal size upon the journal of the corresponding upper roller, a gear-wheel upon the journal of the forward lower roller, and a pinion of smaller diameter upon the rear upper roller gearing therewith, as described.

In testimony whereof I affix my signature in presence of two witnesses.

WM. BULLOCK.

Witnesses:
AM BURNS,
DANIEL F. REYNOLDS, Jr.