

C. B. CAMP.
Clothes-Wringer.

No. 221,776.

Patented Nov. 18, 1879.

Fig. 1.

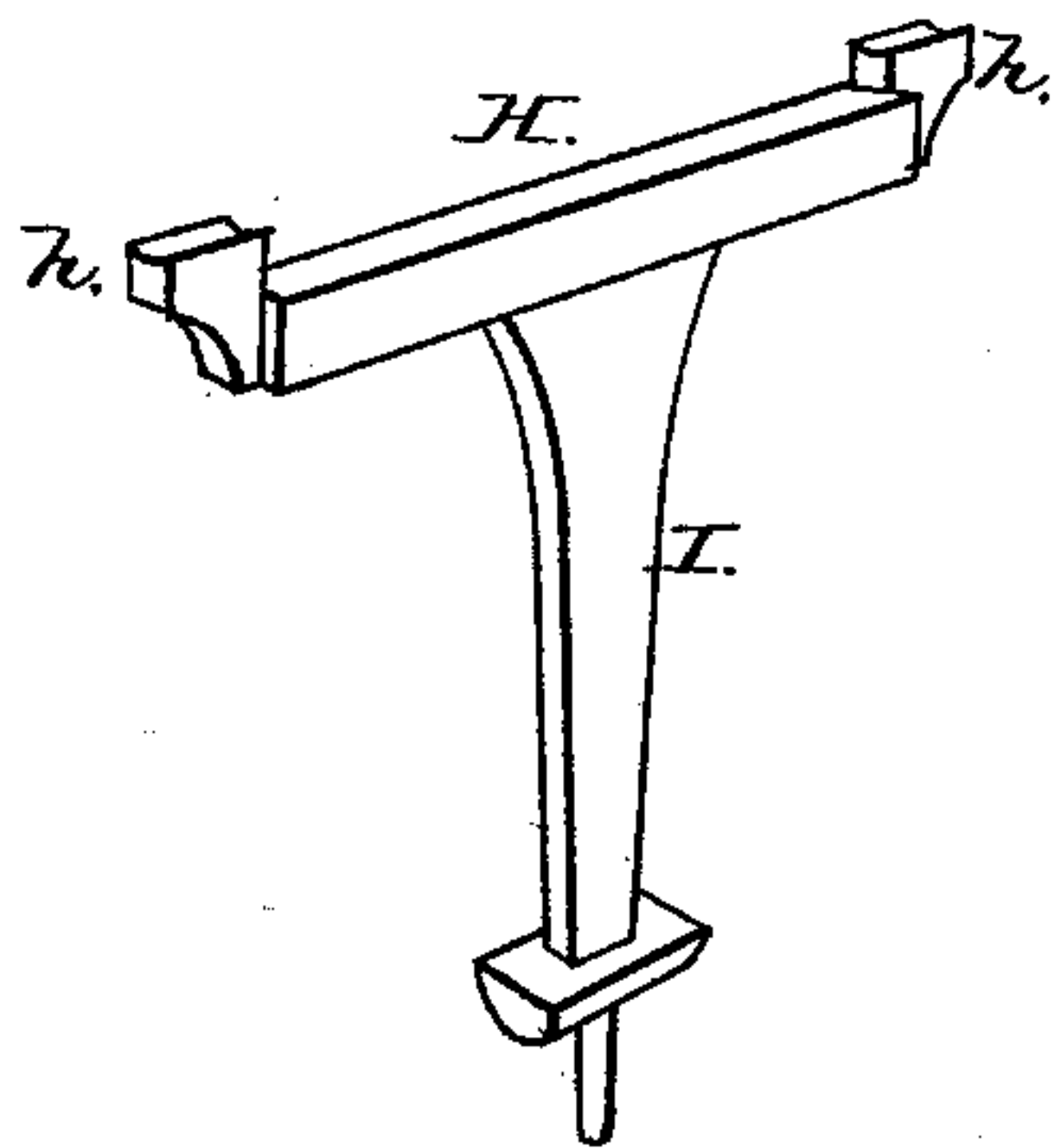
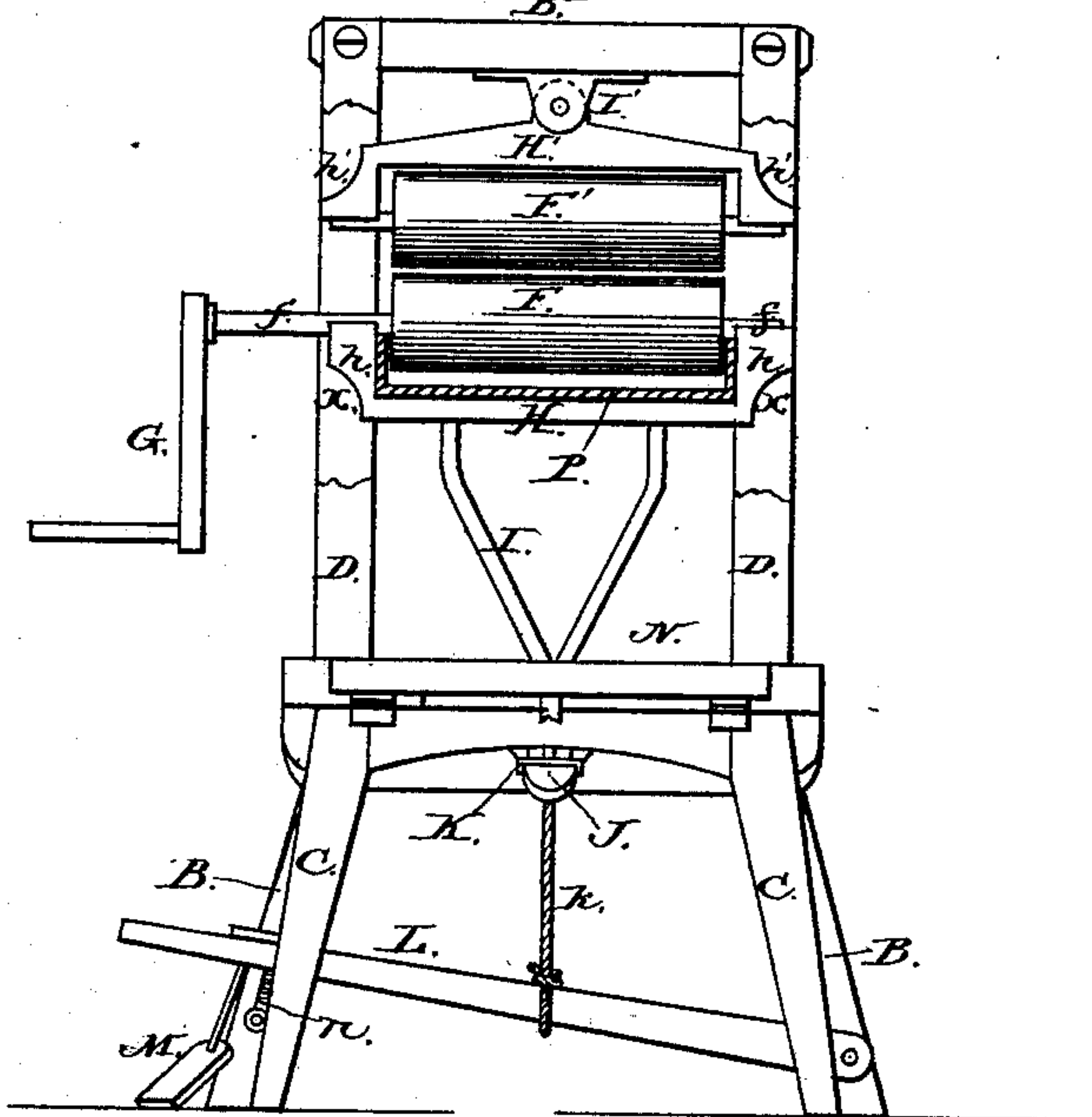


Fig. 2.



WITNESSES

John A. Ellis.
F. J. Massi.

INVENTOR

Chas. B. Camp,
by E. W. Anderson
his ATTORNEY

UNITED STATES PATENT OFFICE.

CHARLES B. CAMP, OF WHITE PIGEON, MICHIGAN.

IMPROVEMENT IN CLOTHES-WRINGERS.

Specification forming part of Letters Patent No. **221,776**, dated November 18, 1879; application filed January 27, 1879.

To all whom it may concern:

Be it known that I, CHARLES B. CAMP, of White Pigeon, in the county of St. Joseph and State of Michigan, have invented a new and valuable Improvement in Clothes-Wringers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 is a detail section, and Fig. 2 is a side view.

This invention has relation to clothes-wringers; and it consists in the construction and novel arrangement of the devices employed, as herein shown and described.

In the accompanying drawings, the letter A designates a bench-board, supported by suitable cross-bars and legs B and C. The front legs, B, extend above the bench parallel with each other, and form the standards or supports D for the wringing-rollers F and F', the journals of which pass into slots *x* in said standards.

The upper ends of the standards are connected by a cross-bar, B², to the middle portion of which is attached a pivot seat-plate, I', to which is pivoted an equalizing-bar, H', having at its ends journal seat-arms *h'*, extending downward as well as into the slots *x* of the standards D, to afford bearings for the journals of the upper roller.

In the operation of the machine the equalizing-bar allows either end of the upper roller to rise to accommodate any unevenness in the bulk of clothes passing between the rollers, so that thin as well as thick portions will be squeezed.

The journals *ff* of the lower roller, F, also pass into the slots *x* of the standards, and one of said journals is extended beyond the standard and provided with a crank, G. This lower roller is supported upon a cross-bar, H, whereof the arms *h* extend upward and into the standard-slots to form bearings for the roller-journals. From the cross-bar H extends downward a pressure connection or bar, I, which engages with the short end of the lever J. The cross-bar H also serves as a support for the drip-pan P, which is located

between its arms. This pan has an inclined bottom, and above the same a small roller, which serves to keep the articles from contact with the water in the pan.

J represents a lever, hung upon a fulcrum, K, below the table, the short end of said lever supporting the lower end of the pressure-connection I. The other end of the lever is connected by a strap, *k*, to a lower lever, L, which is pivoted to one of the rear legs, C, and provided with a projection or side catch, *m*, to engage with a holding-down ratchet, *n*, on the other rear leg. It will be seen, therefore, that the tension is upon the lower roller, and that by means of the leverage more purchase can be obtained than in wringers where the tension is applied on the upper roller.

A treadle, M, may be connected to the lever L, and the lower roller thereby made to rise and fall to suit different thicknesses of clothes when the work is very unequal.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. In a wringer, the combination, with a vertically-slotted frame, D D B², and a vertically-adjustable lower wringer-roller, F, of the equalizer-bar H', extending into the slotted side bars of the frame, pivoted centrally to cross-bar B², and having downwardly-extending arms *h'*, and the upper wringer-roll, F', having its bearings in said arms, substantially as specified.

2. The combination, with the frame D D B², having slots *x* in its side bars, the vertically-adjustable cross-bar H, having arms *h* extending into said slots, and the lower wringer-roll, F, journaled in said arms, of the equalizing-bar H', centrally pivoted to the cross-bar B² of the frame, and having arms *h'* extending into said slots, and the upper wringer-roll, F', having its bearings in said arms *h'*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHARLES BARTON CAMP.

Witnesses:

GEO. G. DE PUY,
W. B. PALMER.