

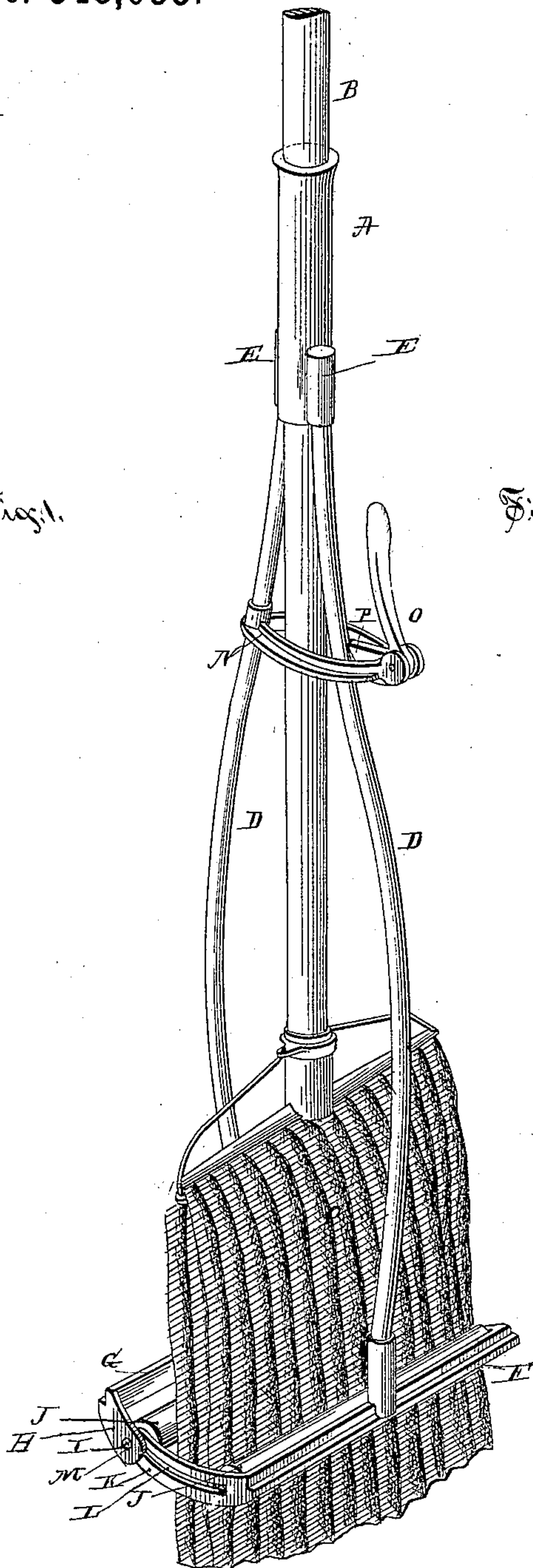
(No Model.)

C. MILLER.
MOP WRINGER.

No. 348,033.

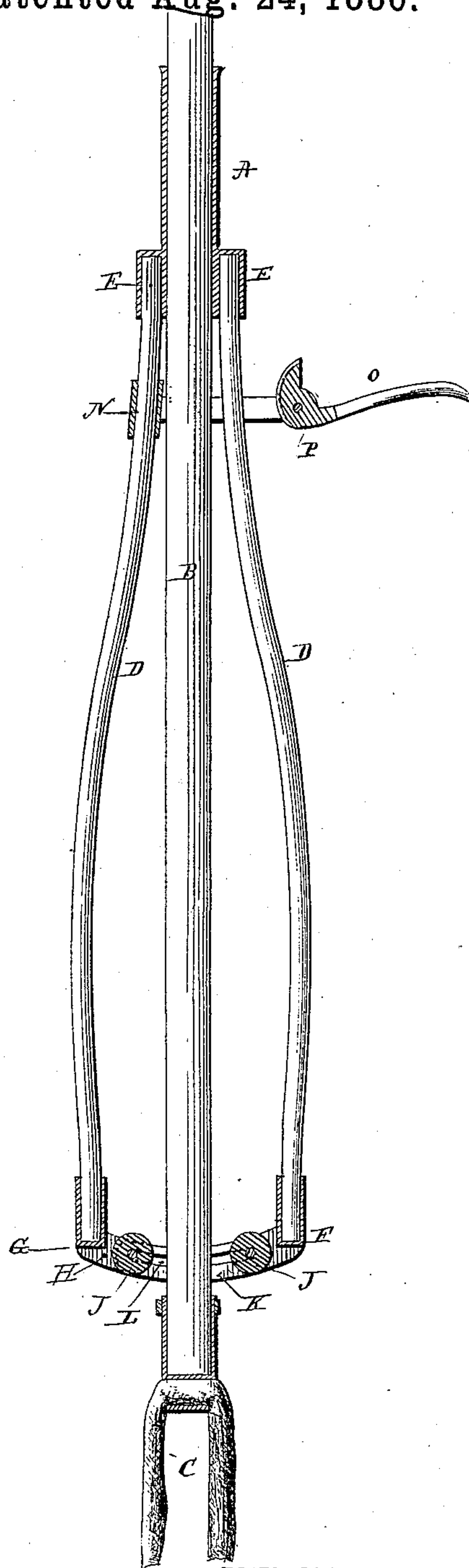
Patented Aug. 24, 1886.

Fig. 1.



WITNESSES
C. H. Curand,
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Fig. 2.



INVENTOR
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UNITED STATES PATENT OFFICE.

CHARLES MILLER, OF AUBURN, NEW YORK, ASSIGNOR TO JOSEPH STOMPE,
OF SAME PLACE.

MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 348,033, dated August 24, 1886.

Application filed March 20, 1886. Serial No. 195,922. (No model.)

To all whom it may concern:

Be it known that I, CHARLES MILLER, a citizen of the United States, and a resident of Auburn, in the county of Cayuga and State of New York, have invented certain new and useful Improvements in Mop-Wringers; and I do hereby declare that the following is a full, clear, and exact description of my invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view showing my improved mop-wringer in operation, and Fig. 2 is a longitudinal vertical sectional view of the same.

Similar letters of reference indicate corresponding parts in both the figures.

My invention has relation to mop-wringers; and it consists in the improved construction and combination of parts of such a wringer, in which two rollers are secured in brackets at the lower ends of two springs, which will force the rollers together, wringing the mop when drawn between the rollers, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates a tubular handle, into which the handle B of the mop C may be inserted, and two springs, D D, bulging outward at their middles, are secured at their upper ends to the lower end of this tubular handle, within sockets E E upon the sides of the said end. A bracket, F, is attached perpendicularly by its middle to the lower end of one of said springs, and a like bracket, G, is similarly attached to the lower end of the other one of said springs. At each end of the bracket F there projects inwardly, at right angles to said bracket, a curved arm, K, each of which arms is provided with a longitudinal slot, L. At each end of the bracket G there projects inwardly, at right angles to said bracket, a curved arm, H, and each of these arms is provided near its free end with a circular bearing, M. Said free ends rest against the

outside of the arms K, and their bearings register with the slots L. One of the two rollers, lettered J, has its trunnions I passed through the slots L of the arms K, and inserted in the bearings M of the arms H. The other roller is journaled by its trunnions in the slots L of the arms K.

Brackets N project from one of the springs and straddle the other spring, and a cam-lever, O, is pivoted upon the doubled end of the brackets, having its eccentric head P bearing against the spring in such a manner that when the lever is tilted upward the springs will be forced toward each other.

It will now be seen that when the handle of the mop has been inserted into the tubular handle of the wringer, and the mop hangs between the rollers, which are spread apart by the springs, and the cam-lever is tilted, so as to force the springs together, bringing the rollers to bear against the mop, the mop may be drawn by its handle in an upward direction, wringing the water from the mop between the rollers, which are forced together by the springs.

When the mop has been wrung, the springs may be allowed to spring apart by depressing the cam-lever, and the mop may be withdrawn.

The rollers may be made of wood, metal, or any elastic material, or may be made of a solid material covered by rubber or similar elastic material, as desired.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

In a mop-wringer, the combination of a tubular handle, two springs secured at their upper ends to the tubular handle and having their middles bulging outward, a bracket upon the lower end of one spring having inwardly-projecting arms provided with bearings, a roller journaled with its trunnions in the bearings, a bracket secured at the lower end of the other spring and formed with inwardly-projecting longitudinally-slotted arms having the trunnions of said roller sliding in the slots, another roller journaled in said

slots, brackets projecting from one spring, and a cam-lever projecting from the doubled end of the brackets bearing against the outer side of the other spring with its eccentric cam-head, as and for the purpose shown and set forth.

In testimony that I claim the foregoing as

my own I have hereunto affixed my signature in presence of two witnesses.

CHARLES MILLER.

Witnesses:

JOSEF STOMPE,

HORACE T. COOK.