

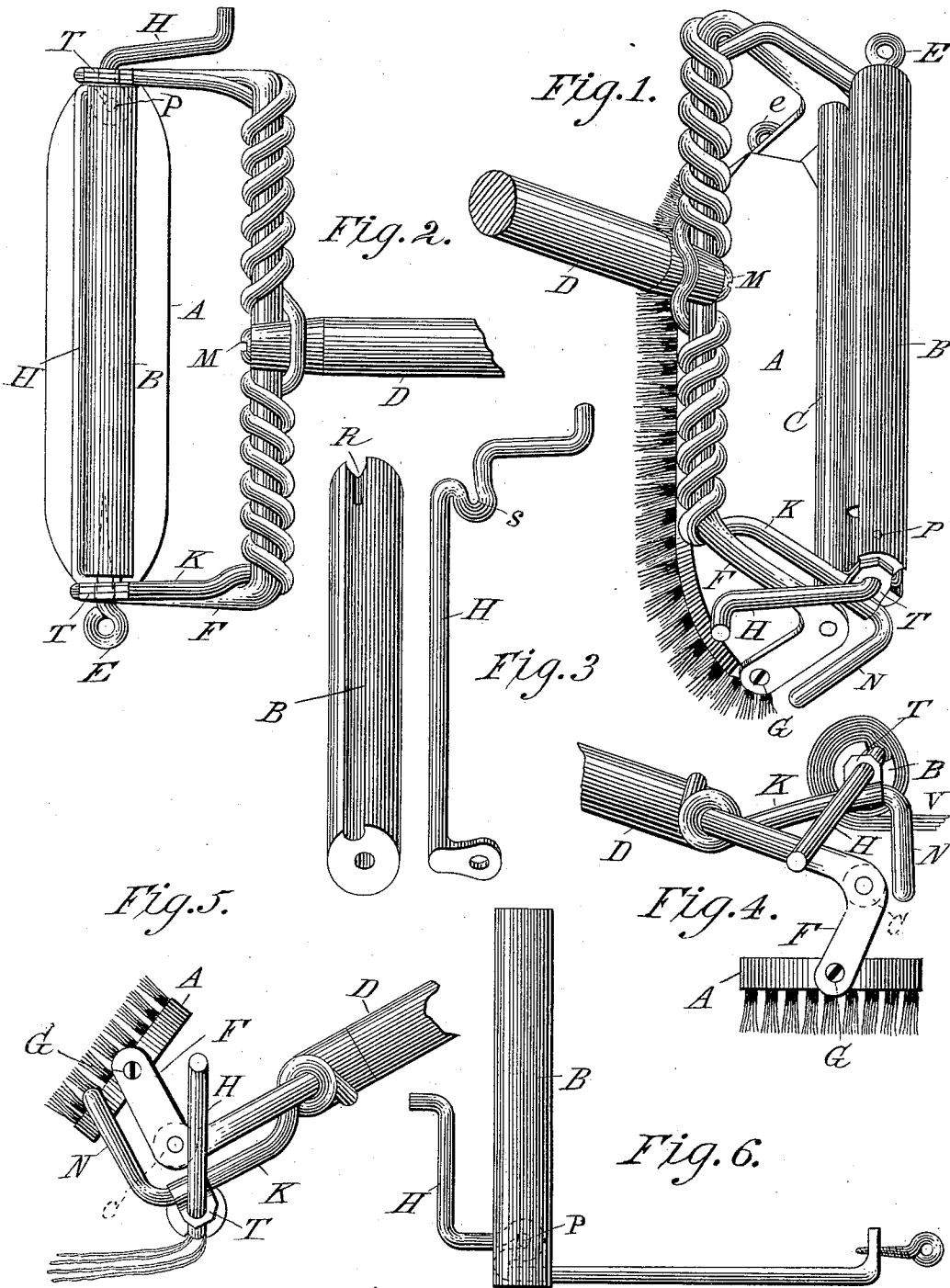
(No Model.)

J. A. BROSSEAU.

MOP STICK, MOP WRINGER, AND SCRUBBING BRUSH HOLDER COMBINED.

No. 444,043.

Patented Jan. 6, 1891.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOSEPH A. BROUSSEAU, OF CONCORDIA, KANSAS.

MOP-STICK, MOP-WRINGER, AND SCRUBBING-BRUSH HOLDER COMBINED.

SPECIFICATION forming part of Letters Patent No. 444,043, dated January 6, 1891.

Application filed November 1, 1886. Serial No. 217,756. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH A. BROUSSEAU, of Concordia, in the county of Cloud and State of Kansas, have invented a new and Improved Mop-Stick, Mop-Wringer, and Scrub-Brush Holder Combined; 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 accompanying drawings, making part of this specification, in which—

Figure 1 is a general view in perspective of the complete mop-stick, mop-wringer, and scrub-brush holder combined and scrub-brush attached thereto. Fig. 2 represents a top view of the whole combination, with brush attached. Fig. 3 shows the wooden roller and crank-rod in perspective. Fig. 4 is a side view of the whole combination in position for scrubbing, with mop wound around the roller. It also shows how the spring works and how the mop-rag is wrung. Fig. 5 shows the whole thing reversed for mopping, with mop-rag unwound. Fig. 6 shows the wooden roller and crank-rod open to receive the mop-rag.

The frame F is made of iron, either cast or wrought, and is fastened to the handle D by a common screw M. A spiral spring K is wound around the frame F, to which is attached the roller B (said roller being made of wood) by means of the crank-rod H, running through a piece of copper T, soldered to the arm of the spiral spring K, and the screw-eye E at the left end running through a similar piece of copper T, likewise soldered to the left arm of the spiral spring K. The crank-rod H is attached to the wooden roller B at the right-hand end by a small pin P, driven through the wood and thence through the eye S in the crank-rod H, Fig. 3. The wooden roller B, being provided with a slot R, Fig. 3, allows the roller B to move up, as shown in Fig. 6, to insert the mop-rag. The wooden roller B is also provided with a groove, as shown in Fig. 3, wherein lies the crank-rod H. Said groove, being larger than the rod, gives room for the mop-rag, which is fastened between the rod and roller, without affecting

the roundness of the roller. The left-hand end of the crank-rod H is flattened and provided with a hole, as shown in Fig. 3. The screw-eye E, after going through the piece of copper attached to the left arm of the spiral spring K, goes through said hole in the end of the crank-rod H, thence screws into the wooden roller B, as shown in Fig. 2.

The wooden roller B is pressed against the roller C by the spiral spring K, which has sufficient strength to wring the mop-rag when wound around the roller B by turning the crank H, as shown in Fig. 4. The arms of the spring K are turned down to prevent the rag from getting in the way of the crank.

The roller C, Fig. 1, is made of iron, and revolves on pins at each end, running through the frame F at the turn, as shown in Fig. 1.

To insert the mop-rag, turn the crank up so the rod H will be under the roller B, then unscrew the screw-eye E at the left end and lift the roller B up until it is perpendicular, as shown in Fig. 6, lay the mop-rag across the rod H, and replace the roller and screw. It will then be ready to use. To unroll it, take hold of the end of the rag V, Fig. 4, and pull upward. It will unroll easily.

The scrubbing-brush is attached to the holder by means of a common screw G at the right end and screw-eye E at the left. Said screw-eye is to fasten the brush in any desired angle. The holder is made to fit a common scrubbing-brush, sold everywhere at a small price, so it can be renewed when it is worn out. The above-described combination is very light and strong, therefore durable.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a combined mop-stick, mop-wringer, and scrub-brush holder, the frame F, having the roller C journaled in its arms, the spring coiled about the main portion of said frame and having its end portions bent at K N to conform to the shape of the arms of the frame, parts K being provided with bearings T, and roller B, journaled in said bearings and provided with crank H, parts N being extended

downward at right angles to parts K and serving as guides to prevent the mop-cloth from being caught by the crank.

2. The roller B, provided with notch R, the crank-shaft H, hinged within said notch by means of loop S and pin P, the opposite end of said shaft being flattened and perforated, and the screw-eye E for detachably connect-

ing said end to the opposite end of the roller, whereby said crank forms an axle for said roller and a clamp for securing the mop-cloth thereto, substantially as described.

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Witnesses:

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