

John Joseph Kenyon & Hazen Prescott Huntton.

Improved Washing Machine.

118248

PATENTED AUG 22 1871

Fig. 4.



Fig. 1.

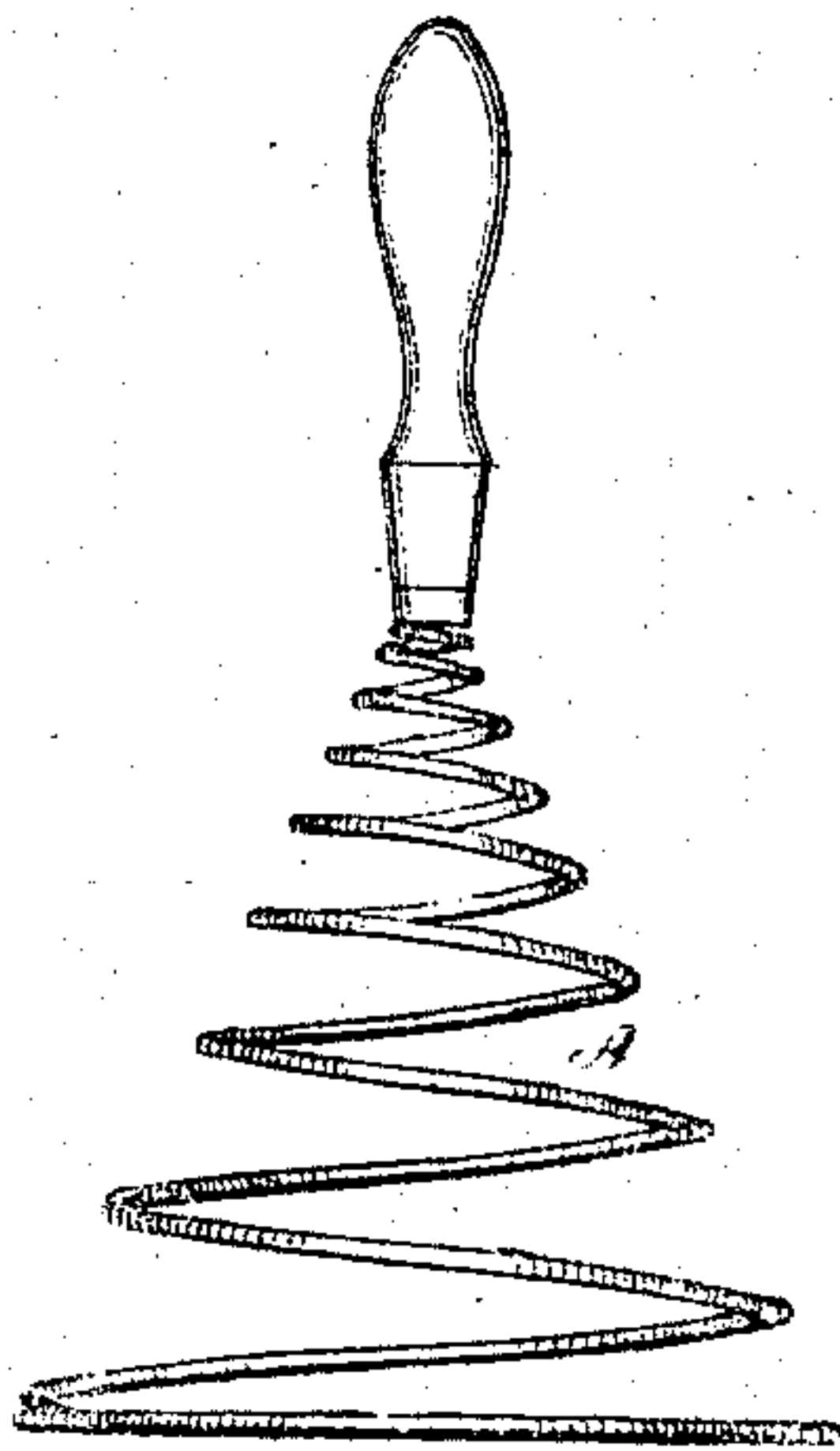
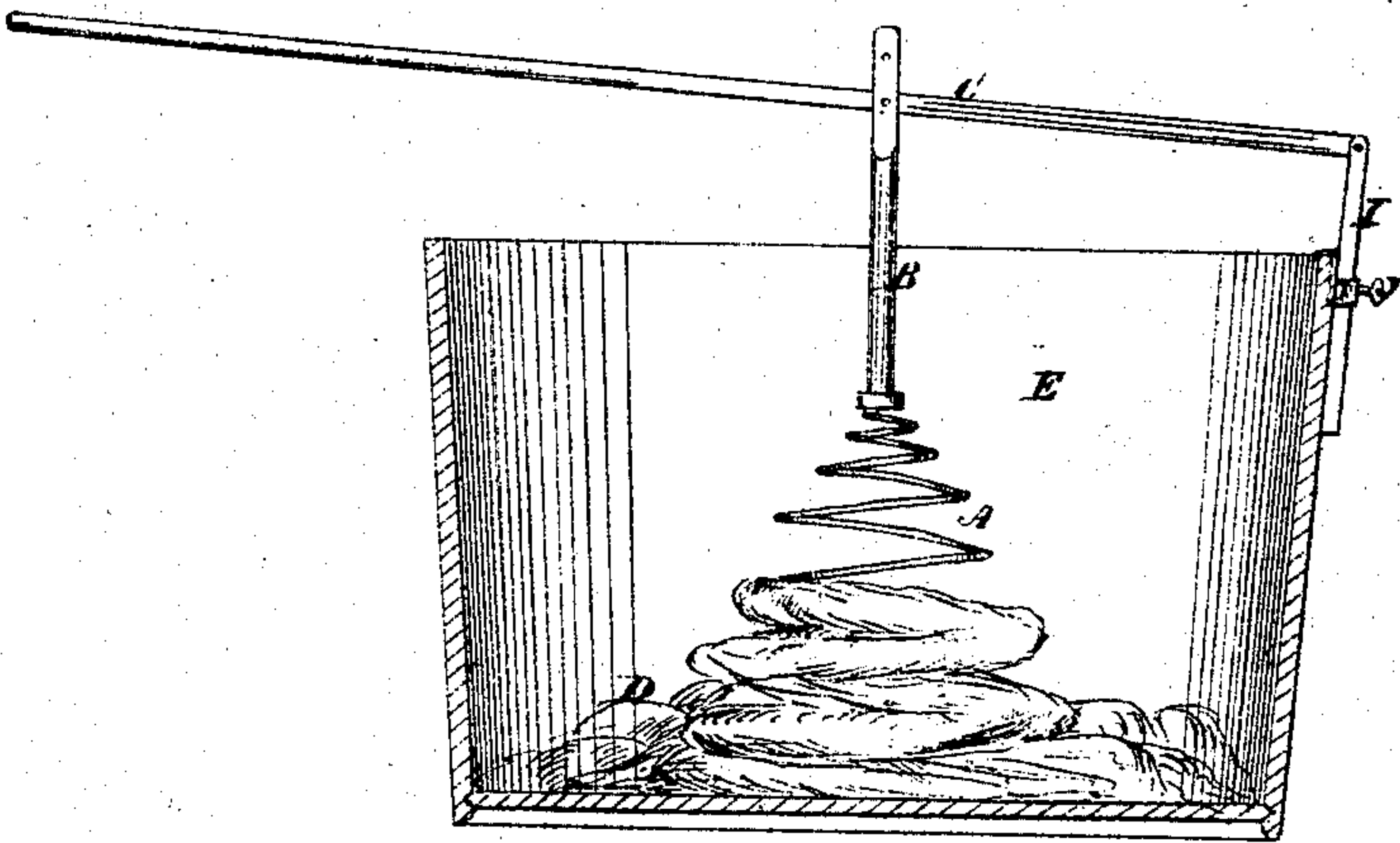


Fig. 3.



Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN JOSEPH KENYON, OF BOSTON, AND HAZEN PRESCOTT HUNTOON, OF CAMBRIDGE, MASSACHUSETTS, ASSIGNORS TO JOHN J. KENYON.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 118,248, dated August 22, 1871.

To all whom it may concern:

Be it known that we, JOHN JOSEPH KENYON, of the city of Boston, county of Suffolk, and HAZEN PRESCOTT HUNTOON, of the city of Cambridge, county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Washing-Machines; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

Figure 1 represents a view of a small machine with a handle attached ready for use in washing small articles. Fig. 2 represents a machine of larger size, for washing larger articles, in position ready for operation.

Similar letters of reference indicate corresponding parts.

A represents a coiled spring, of iron or steel or copper wire, or other suitable metallic substance, galvanized or otherwise protected from oxidation, made circular, or cone-shaped, or elliptical, or in any other suitable form which will allow the compressibility of the wire or other spring to be used for washing clothing, as in families, or for cleansing wool, or cloth, or rags, or other substances, as in manufactories or in paper-mills. B represents the stem of the coil or spring, by which it is to be connected with the operating-handle or lever, or with some part of the machine which is to operate the same. It may be made of the same metal as the spring, or it can be made of wood, and connected with the handle or lever by means of a slot and bolt, or by any other devices which unite firmness and flexibility. C represents the handle or lever, which, being joined with the stem of the coil or spring, is designed to elevate or depress the coil or spring and give force to its action. D represents the manner in which the clothing is intertwined among or suspended upon the coils or cross-bars, by which they are lifted or depressed by the ris-

ing or falling and forcible depression of the spring, causing the water to pass frequently and rapidly through the material without any wear or strain or friction upon the substance to be cleansed. F represents a socket, which is provided with hooks or lugs H H, by means of which it is rigidly or detachably connected to the edge of a tub or other vessel, as shown in Fig. 2. Through the socket F passes a standard, I, to the upper end of which the lever C is pivoted. The standard I may be adjusted vertically, and is held in position by a set-screw, J.

These washers can be made of any size, from a few inches in diameter, for use in the nursery to protect the hands from contact with the foul water and defiled articles of infant apparel, to as many feet in diameter, for family, or hotel, or laundry use. They can be operated directly by the hand or it can be joined to any power. They can be operated singly or joined together in any desirable numbers, according to the kind or amount of work to be done.

No special structure is needed in which to operate this machine; but it can be used in any vessel of suitable size, without reference to its form, whether circular, or square, or oblong, which is in the house.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A washing-machine, consisting of a coiled spring, A, of any suitable material, in combination with rod or stem B, lever C, standard I, socket F with its lugs H, and receptacle E, substantially as described.

In testimony that we claim the foregoing we have hereunto set our hands this 15th day of March, 1871.

JOHN JOSEPH KENYON.

HAZEN PRESCOTT HUNTOON.

Witnesses:

LUTHER F. BEECHER,
EDWARD M. HODGES.