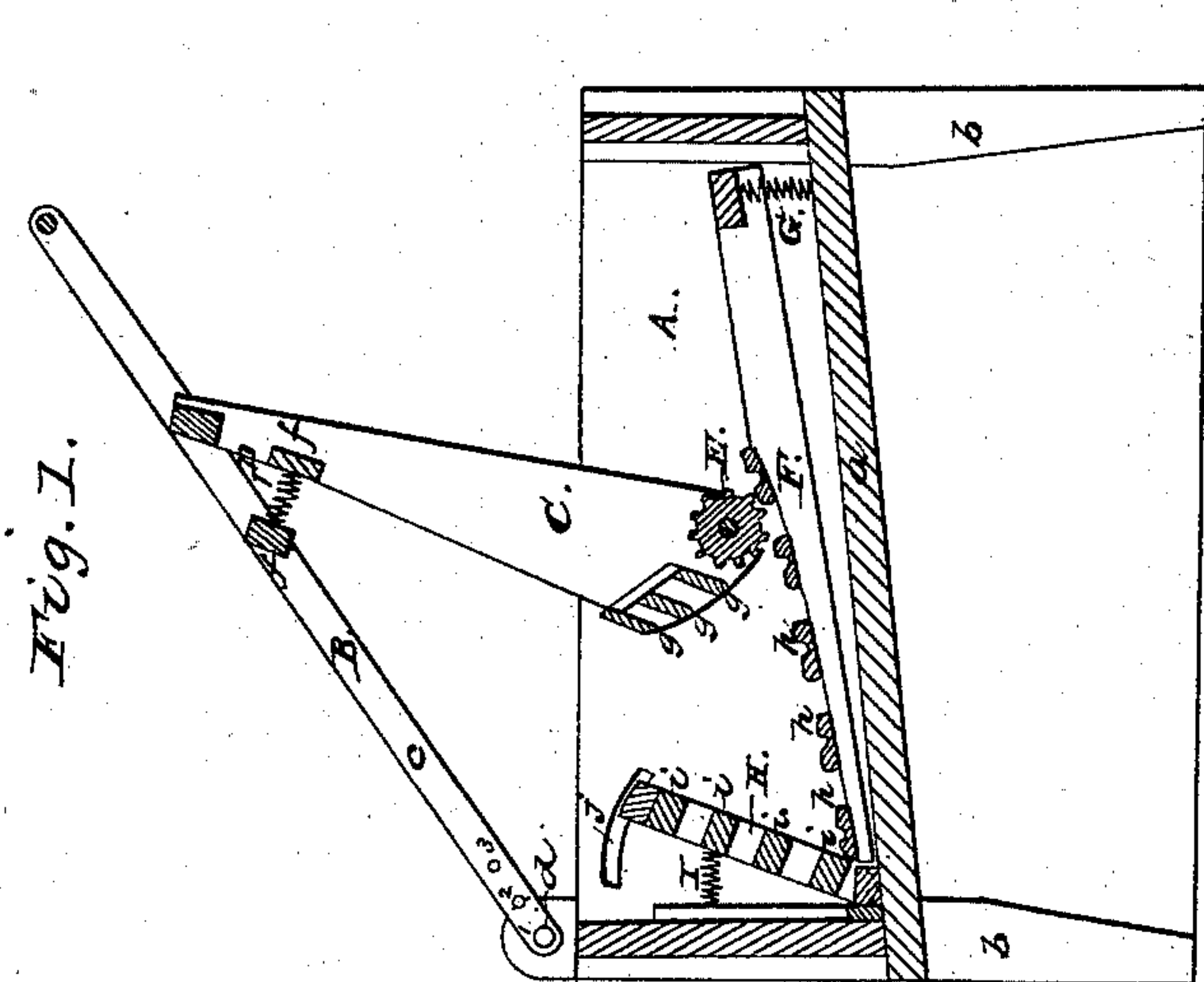
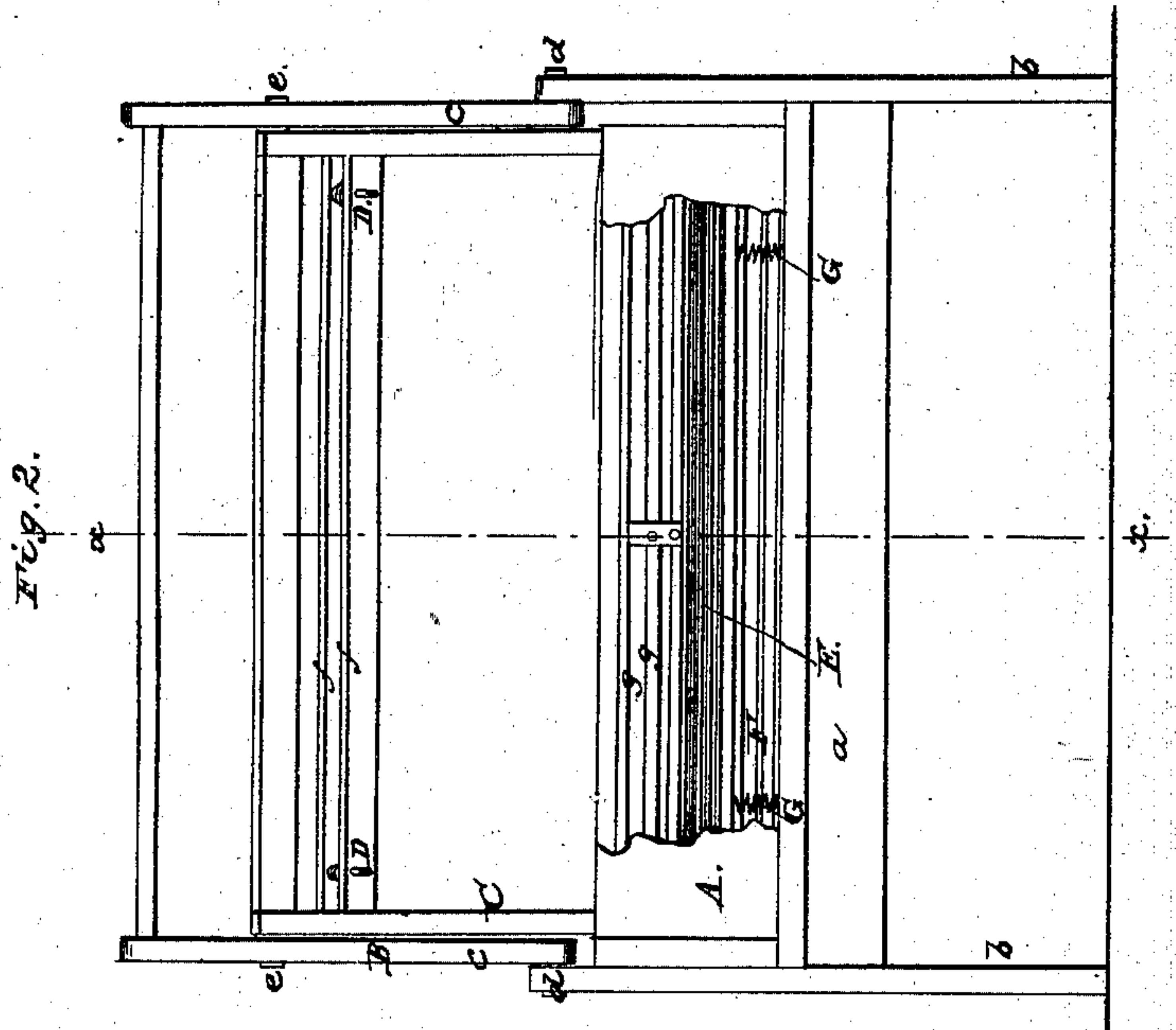


J. Adams,
Washing Machine,
N^o 49,490. Patented Aug. 22, 1865.



Witnesses:
Geo. Fusch
John Corpley

Inventor:
Jos. Adams.
By [Signature]

UNITED STATES PATENT OFFICE.

JOSEPH ADAMS, OF JANESVILLE, WISCONSIN.

WASHING-MACHINE.

Specification forming part of Letters Patent No. 49,490, dated August 22, 1865.

To all whom it may concern:

Be it known that I, JOSEPH ADAMS, of Janesville, in the county of Rock and State of Wisconsin, have invented a new and Improved Clothes-Washing Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side sectional view of my invention, taken in the line *xx* of Fig. 2; Fig. 2, a front elevation of the same, with the front side of the suds-box partly broken away.

Similar letters of reference indicate corresponding parts.

This invention consists in the employment or use of a lever-frame provided with a swinging frame having a roller and slats attached to it, in connection with a yielding concave slatted bottom and a yielding slatted bearing-frame, all arranged with a suds-box, to operate in the manner substantially as hereinafter set forth.

A represents the suds-box, which is constructed of quadrilateral form, provided with an inclined bottom, *a*, and supported at a suitable height by legs *b* or any proper framing.

B represents what I term a "lever-frame," which is of rectangular form, and has its side pieces, *c c*, connected by pins *d d* to the upper ends of the legs *a a* at the rear end of the suds-box. This lever-frame B has a frame, C, suspended from it by pins or journals *e e*, and has two springs, D, bearing against it, said springs being connected to cross-bars *f* in the two frames B C. (See Fig. 1.) In the lower part of the frame C there are secured three parallel slats, *g g g*, and also a fluted roller, E, the latter being in front of the slats, which, with the roller, extend transversely across the suds-box.

F represents a frame, which is fitted on the bottom *a* of the suds-box, and is provided with a series of transverse slats, *h*, which form a slight concave, the end of the frame F at the front part of the suds-box resting on springs G, and the opposite end bearing against a fixture on the bottom of the suds-box. This frame F has an inclined position, the end which rests on the springs being the most elevated, corresponding to the elevated end of the bottom *a* of the suds-box.

H represents a bearing-frame, against which the clothes are pressed during the washing or cleansing operation. This frame is composed of horizontal slats *i*, and its lower end works on pivots at the rear end of the bottom *a* of the suds-box, and its upper end, at each side, is provided with a lip or projection, and these lips or projections work in curved slots *j* at the sides of the suds-box. The frame H has a spring, I, bearing against its rear side.

The clothes to be washed are placed on the concave slatted frame F and subjected to a rubbing and pressing operation by actuating the lever-frame B. The slatted bearing-frame H yields or gives as the clothes are pressed against it under the forward movement of the frame C, and causes the clothes to turn, so that all parts of them will be thoroughly acted upon. The pressure of the roller E on the clothes is due to the springs D, while the springs G, on which the elevated end of the slatted concave frame F rests, prevent the clothes being subjected to any undue pressure.

This machine may be used for fulling purposes, as either the pressing or rubbing operations may be gone through with separately, the frame F or H being removed, as the case requires.

The lever-frame F may be pivoted at different points 1, 2, or 3, (see Fig. 1,) according to the quantity of clothes in the suds-box to be operated upon.

I claim as new and desire to secure by Letters Patent—

1. The lever-frame B, provided with the pendent frame C, having a roller, E, at its lower ends and slats *g* and springs D bearing against it, substantially as and for the purpose specified.

2. The yielding concave slatted frame F, in connection with the frames B C, substantially as and for the purpose set forth.

3. The yielding slatted bearing-frame H, in connection with the frames B C, for the purpose specified.

4. The combination of the lever-frame B, pendent frame C, slatted concave frame F, and bearing-frame H, all arranged, in connection with the suds-box A, to operate substantially as and for the purpose set forth.

JOSEPH ADAMS.

Witnesses:

H. A. PATTERSON,
JOSEPH BAKER.