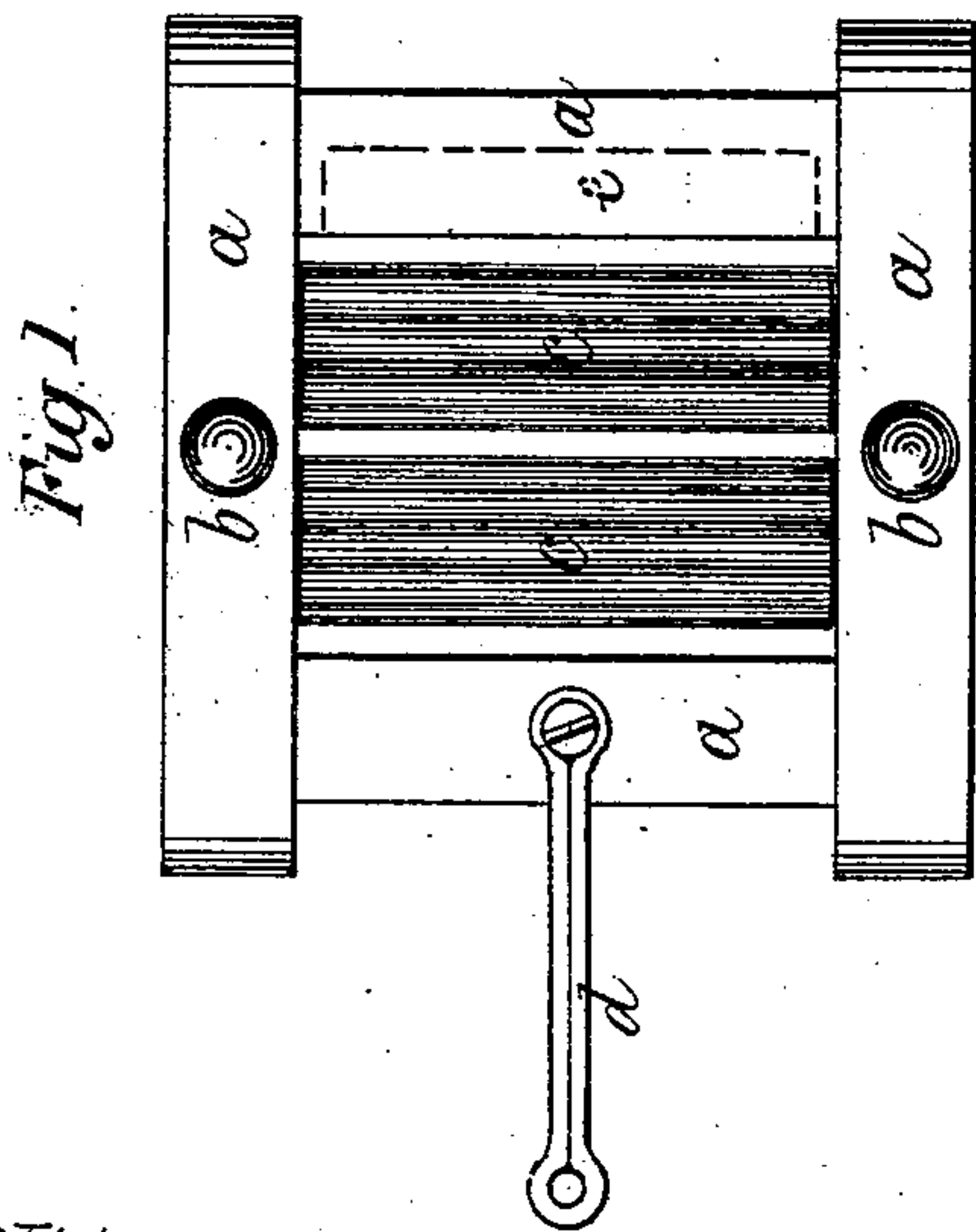
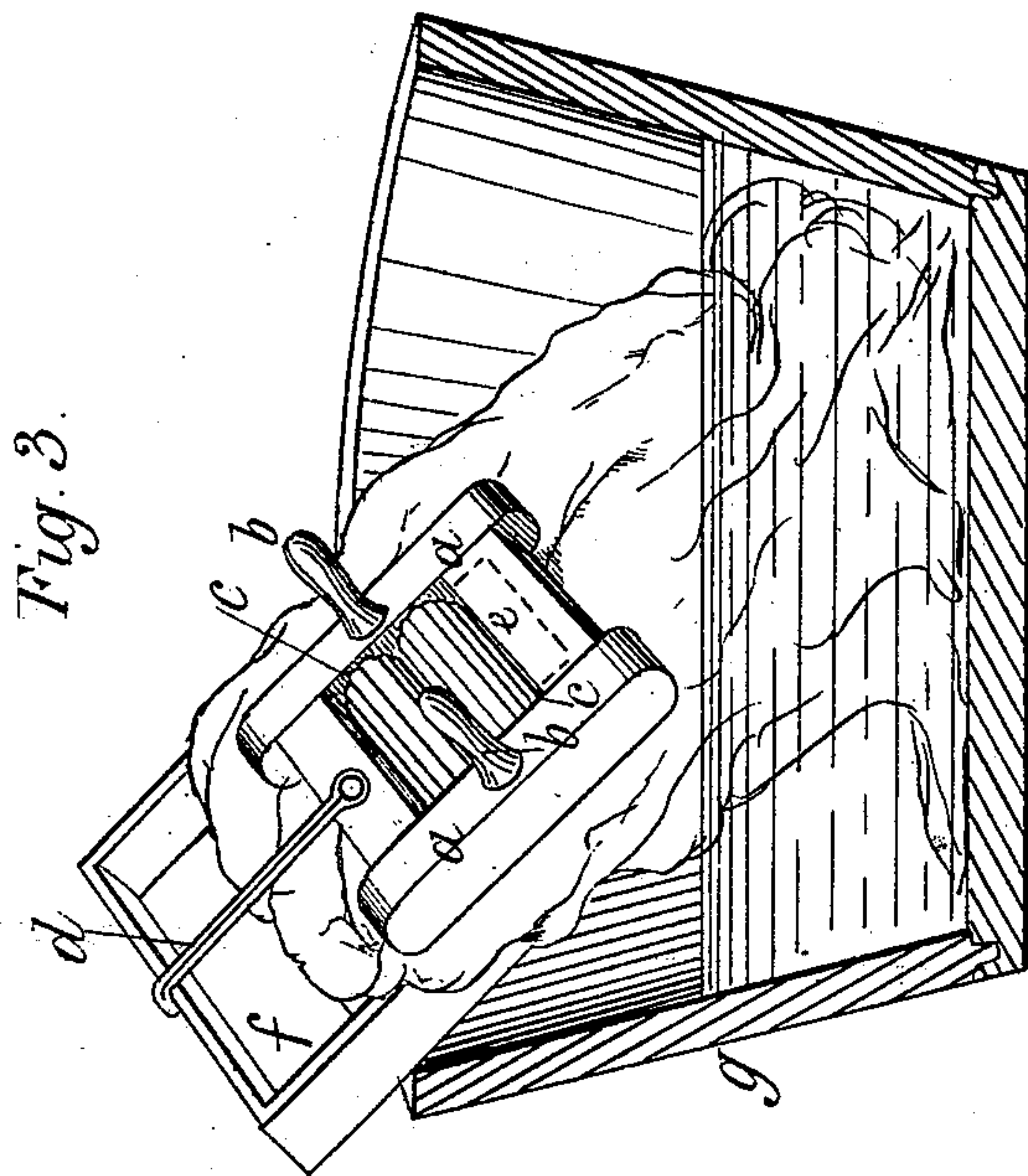


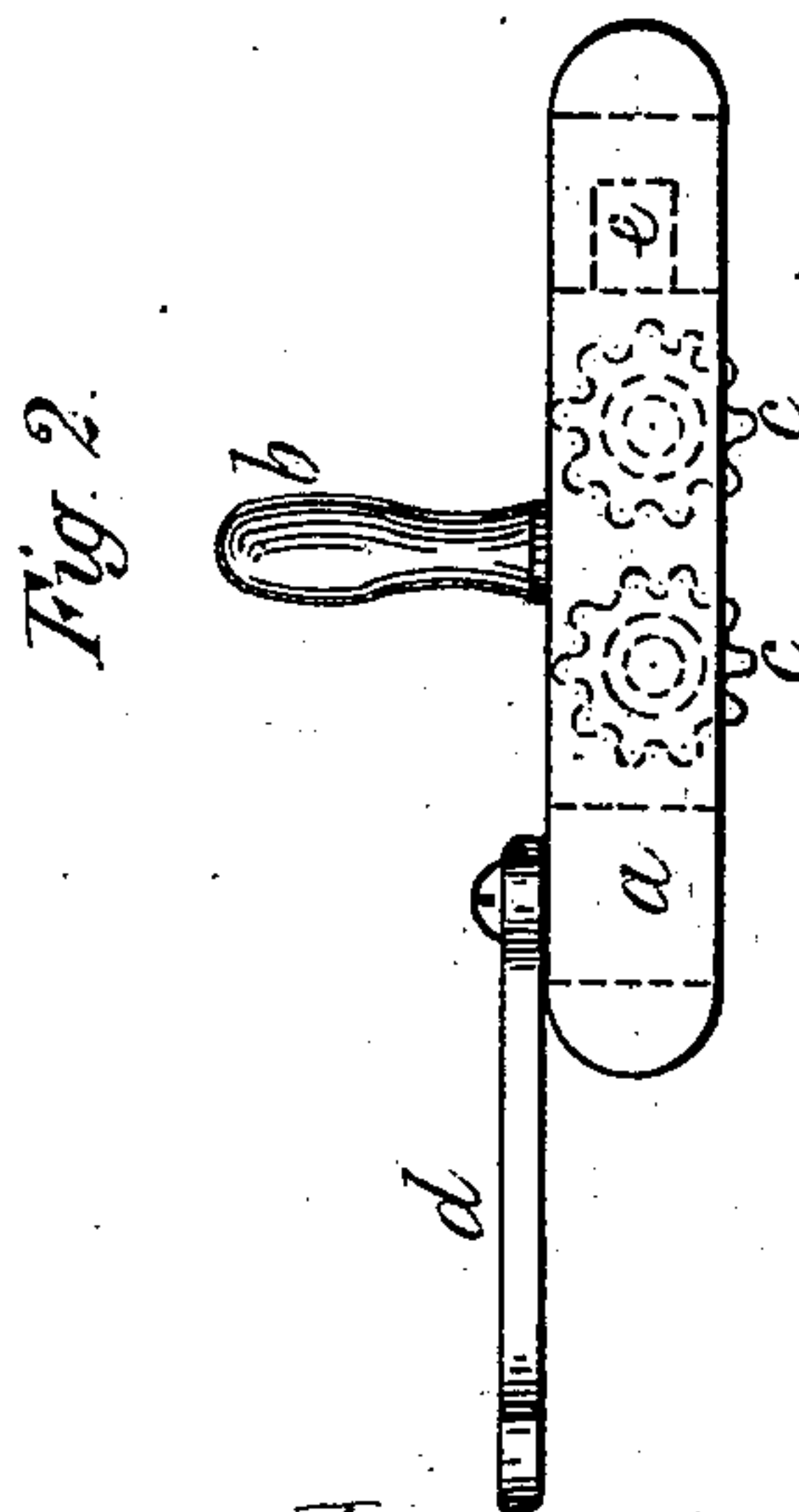
J. PATERSON.
Washing-Machine.

No. 226,780.

Patented April 20, 1880.



Witnesses:
George E. Adick



Inventor:
John Paterson,
by *M. Bailey*
his Attorney.

UNITED STATES PATENT OFFICE.

JOHN PATERSON, OF EDINBURGH, NORTH BRITAIN, ASSIGNOR TO ROBERT ADAMS & SON, OF SAME PLACE.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 226,780, dated April 20, 1880.

Application filed February 2, 1880. Patented in England November 25, 1879.

To all whom it may concern:

Be it known that I, JOHN PATERSON, of the city and county of Edinburgh, North Britain, engineer, have invented a new or Improved Washing-Machine, of which the following is a specification.

My invention relates to a new or improved washing-machine, and is designed to be used in combination with an ordinary wash-board.

Figure 1 of the accompanying drawings represents a plan, and Fig. 2 a side elevation, of the said washing-machine. Fig. 3 represents the said machine, in combination with a wash-board, in position ready for use.

The said washing-machine consists of a framing, *a*, fitted with handles *b* at its sides, in which framing are mounted transversely-grooved or equivalently-formed rollers *c*, made of wood, caoutchouc, or other suitable material, projecting beyond the under side of the frame-work, as shown in Fig. 2, and capable of turning in bearings in the sides of the framing *a*, which bearings may be of brass.

To the machine is fastened one end of a caoutchouc or other suitable elastic strip, *d*, the other end of which is to be fastened to the upper part of the wash-board, or to the side of the wash-tub when the machine is in use. In the top side of the lower part of the frame-work *a* a recess, *e*, is formed.

In using the machine the wash-board *f* is placed in the wash-tub *g*, as shown in Fig. 3, and the clothes to be operated upon are placed thereon. The machine is then attached by its connecting-strip *d* to the wash-board or to the

tub, either of which is provided with a hook for this purpose. The clothes being soaped and the tub supplied with hot water, the machine is placed upon the clothes, as shown in Fig. 3, and is passed to and fro over them, the rollers *c* giving a rubbing action thereupon by which they are thoroughly cleaned, fresh portions of the clothes being successively operated upon.

The strip *d* is extended as the machine is pushed downward, and pulls or assists in pulling back the machine for the next downward stroke.

The recess *e* forms a lifter by which, in the upward or return stroke, a quantity of water is lifted and discharged over the clothes.

Although I have shown but two rollers, *c*, yet I do not confine myself to that number, as more than two may be employed.

I claim—

The open rectangular frame *a*, carrying the rollers *c* and handles *b*, and formed or provided in that face of its lower cross-bar next to the rollers with a recess, *e*, as and for the purposes shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN PATERSON. [L. S.]

Witnesses:

GEO. HUTTON,

Consular Clerk, Leith.

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