

United States Patent Office.

CHARLES A. WRIGHT, OF RODNEY, MISSISSIPPI.

Letters Patent No. 107,990, dated October 4, 1870.

IMPROVEMENT IN COMBINED HORSE-POWERS AND BALING-PRESSES.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, CHARLES A. WRIGHT, of Rodney, in the county of Jefferson and State of Mississippi, have invented a new and improved Combined Horse-Power and Baling-Press; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 represents a side elevation of my improved baling-press.

Figure 2 is a vertical transverse section of the same, the plane of section being indicated by the line *x x*, fig. 1.

Similar letters of reference indicate corresponding parts.

My invention relates to mechanism for operating the follower of a baling-press, and consists in certain improvements, which will be first described, in connection with all that is necessary to a full understanding thereof, and then clearly specified in the summary or claim.

A in the drawing represents the frame of my improved baling-press, supporting the baling-box B and the machinery for operating the follower.

The follower C is, by means of toggle-levers D D, connected with the stationary cross-bars *a a* of the frame, so that thereby its motion is steadied.

The follower works vertically in the lower part of the press.

Under the box B is hung, in the frame A, a horizontal shaft, E.

A rope or chain, *b*, is secured with one end to the shaft E, and is fitted over pulleys *c c*, that are secured to the inner sides of the toggles, near to the joints of same, as shown.

When the shaft E is revolved to wind up the rope *b*, the joints of the levers D will be drawn together;

thereby the levers D are extended to elevate the follower and make the bale.

Motion is imparted to the shaft E by means of a windlass, F, connected, by gear-wheels *d d'*, with said shaft, the said windlass being rotated by animal power.

The wheel *d'* from the shaft E is connected with a shipping-lever, G, which can be used to throw the shaft E out of gear, and also to so apply pressure to the same that it acts as a brake to prevent the too sudden descent of the follower, for, when the shaft E is out of gear, it permits the follower to descend by its own weight.

The apparatus may also be used to impart motion, by a belt, *e*, to a shaft, H, for driving suitable stationary or other machinery, in case the press is not used, or together with the same.

This machine is of simple construction, and can be made at a moderate cost, so as to come within reach of all, dispensing with the necessity of constructing expensive houses for baling purposes.

The arbor I of the wheel *d* is made hollow, as shown, and embraces an inner post, J, which serves as an additional support for the box B and its appendages, as is clearly shown in fig. 2.

Having thus described my invention,

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

1. The arrangement, with respect to the belt *b*, of the winding-shaft E, bevel-gear *d d'*, and windlass F, as and for the purpose described.

2. The arrangement of the shipping-lever G and bevel-pinion *d'* with respect to the winding-shaft E, to simultaneously disconnect the power, and act as a brake thereto, thus preventing a too rapid descent of the follower.

Witnesses:

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Fig 1

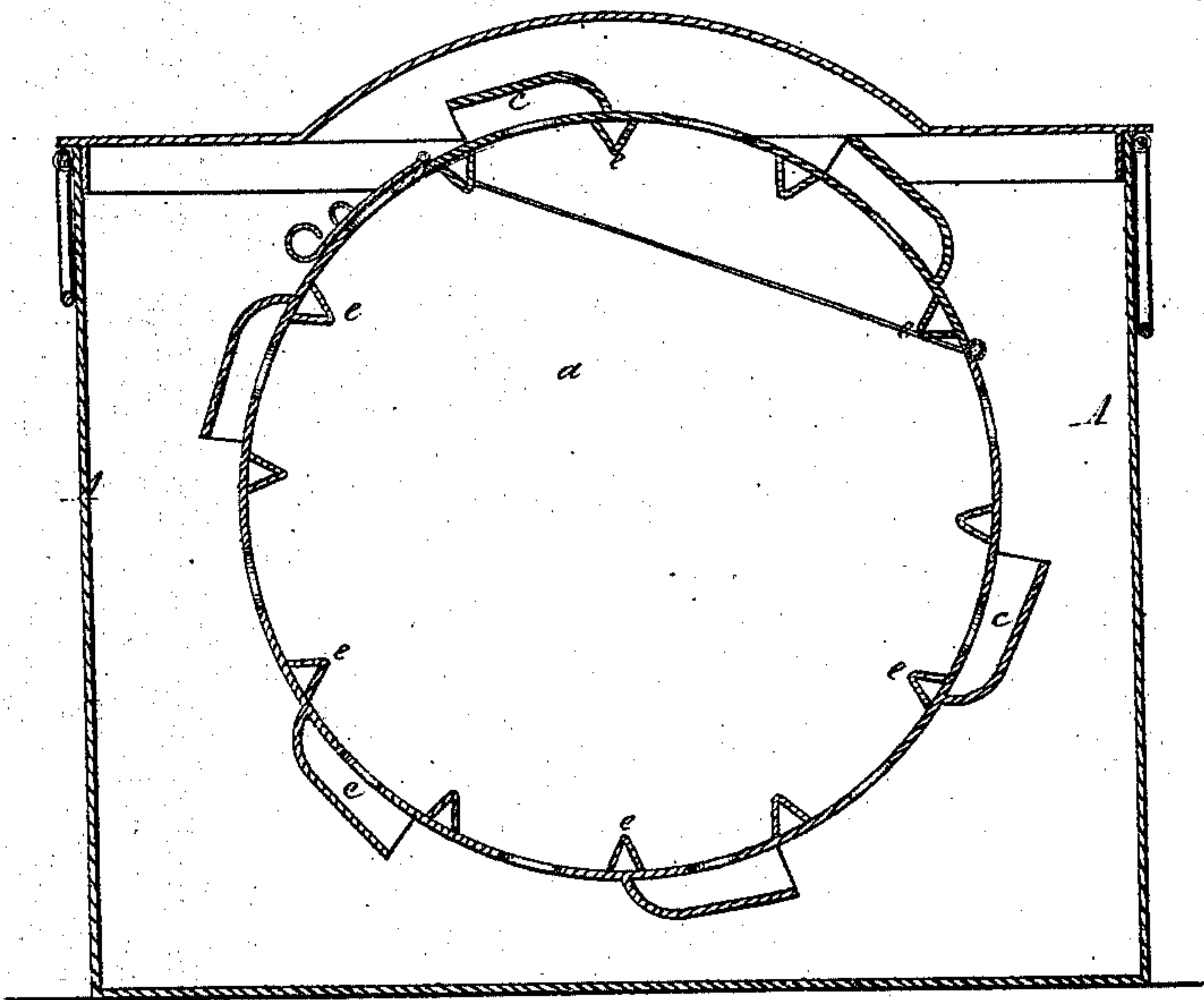
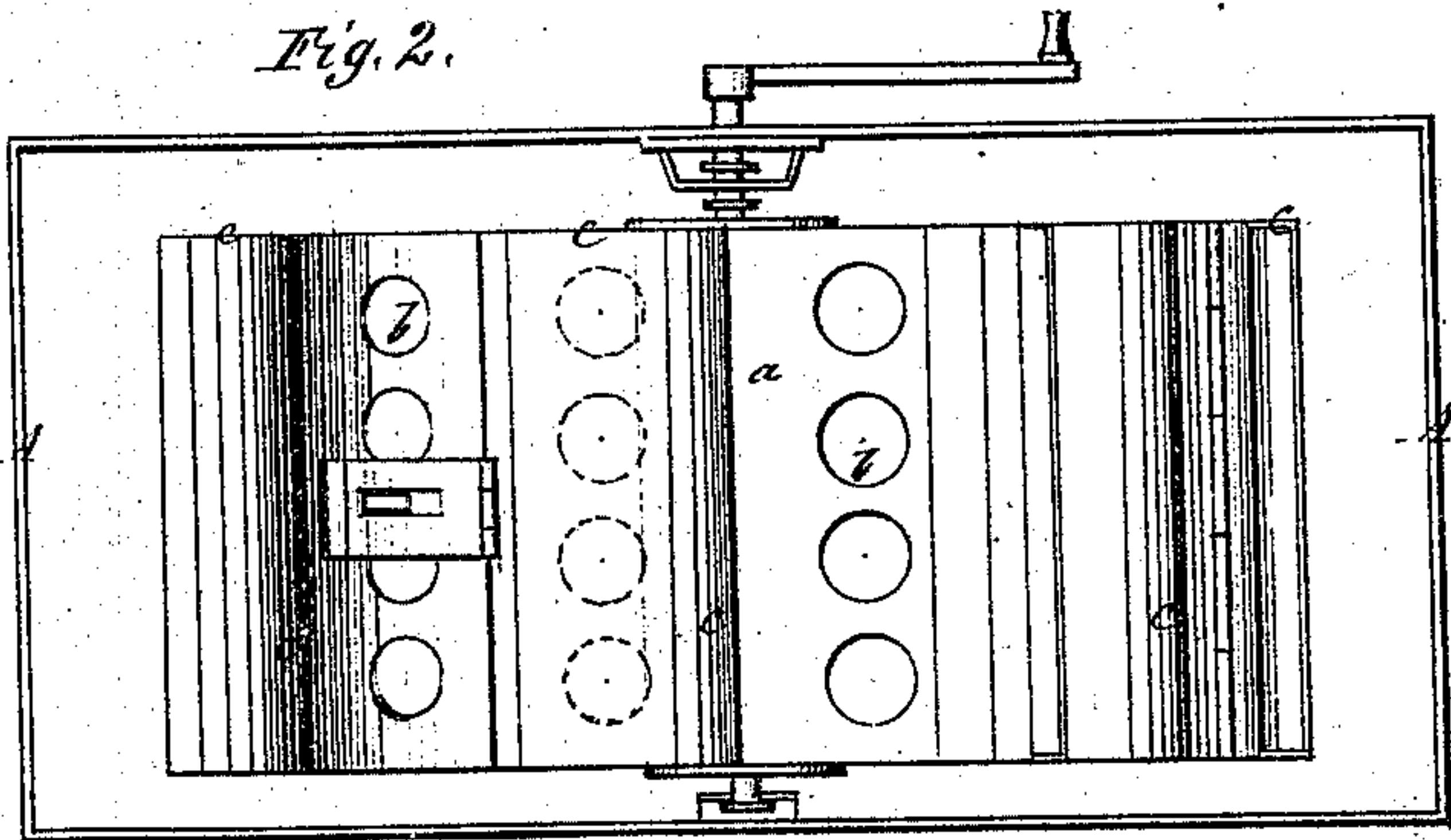


Fig. 2.



Witnesses.
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Geo. Wright, Inventor.
by George E. Brown, (per m.)
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