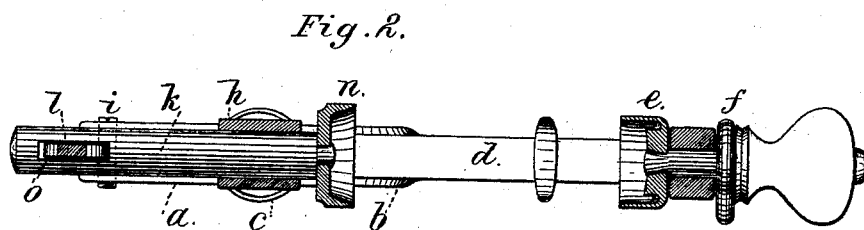
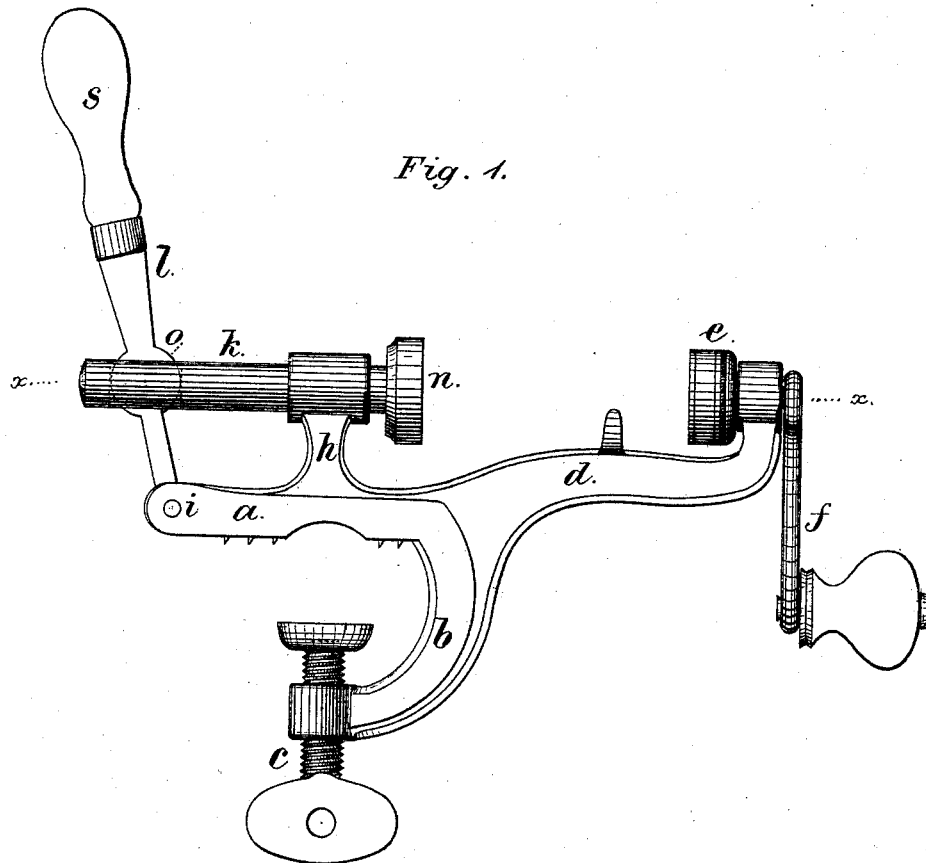


W. G. RAWBONE.
Cartridge-Turning Implement.

No. 220,771.

Patented Oct. 21, 1879.



Witnesses:
Charles Smith
Geo. T. Pinckney

Inventor:
Wm G. Rawbone.
per Lemuel W. Correll
att'y.

UNITED STATES PATENT OFFICE.

WILLIAM G. RAWBONE, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN CARTRIDGE-TURNING IMPLEMENTS.

Specification forming part of Letters Patent No. **220,771**, dated October 21, 1879; application filed May 12, 1879.

To all whom it may concern:

Be it known that I, WILLIAM G. RAWBONE, of Newark, in the State of New Jersey, have invented an Improvement in Cartridge-Turning Machines, of which the following is a specification.

In my application for a patent filed September 25, 1878, a machine is shown for closing the ends of cartridge-cases after the charge has been introduced.

My present invention is an improvement upon the same, and is made for simplifying the construction and lessening the cost of such machines.

In the drawings, Figure 1 is a side elevation of the cartridge-closing machine, and Fig. 2 is a horizontal section at the line *x x*.

The frame of the machine is made with the portion *a* to rest upon the table or support, a downwardly-projecting arm, *b*, to receive the clamping screw *c*, and the forwardly-projecting arm *d*, that receives the shaft of the closing socket *e*. This socket *e* is made of a size to receive within it the end of the paper cartridge-case, and there is a handle, *f*, by which it is revolved, and projections or teats within the closing socket to act upon the end of the paper case. This closing socket is constructed and operates in the usual manner.

The standard *h* is upon the part *a* of the machine, and its upper end is made as a tubular bearing or guide, through which passes the rod *k*, forming a sliding stock, at one end of which is the cup *n*, that receives the base of the cartridge.

The stock *k* is slotted near its rear end for the passage of the lever *l*, the fulcrum of which lever is at *i*, and there is a circular bearing at *o* upon the lever *l*, such bearing *o* being within the slot in the stock *k*.

It will now be understood that the lever *l* is used to move the stock *k* and cup *n* and press the cartridge-case forward with its open end within the closing socket, so that the paper case will be folded or closed over by the head as it is revolved.

The lever *l* is provided with a handle, *s*. It may either project upwardly, as shown, or it may be a bent or right-angled lever.

This machine guides the cartridge-case and insures uniformity of work, and it is much more simple and less expensive than the machine described and shown in my aforesaid application for Letters Patent.

I claim as my invention—

In a cartridge-turning machine, the combination, with the closing socket *e*, of the cup *n*, stock *k*, carrying such cup, the tubular bearing *h*, through which the stock *k* slides, the vertical lever *l*, the pivot *i* on the base, and the bearing *o* of the lever *l* to act directly upon the stock *k*, substantially as set forth.

Signed by me this 2d day of May, A. D. 1879.

W. G. RAWBONE.

Witnesses:

JOHN HOSKIN,
JNO. STARK.