E. P. WASTE.

CRACKER-MACHINE.

No. 184,562. Patented Nov. 21, 1876.

Fig: 1.

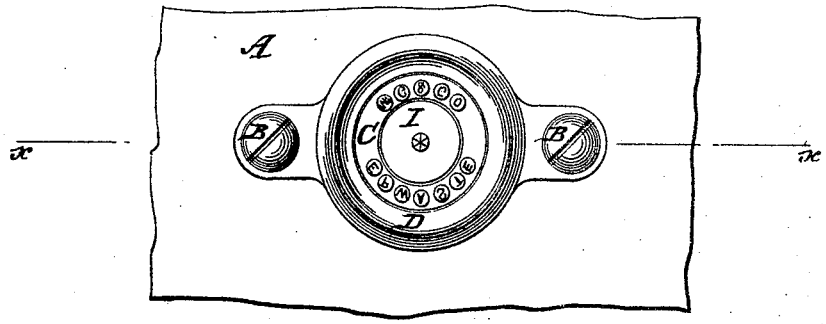
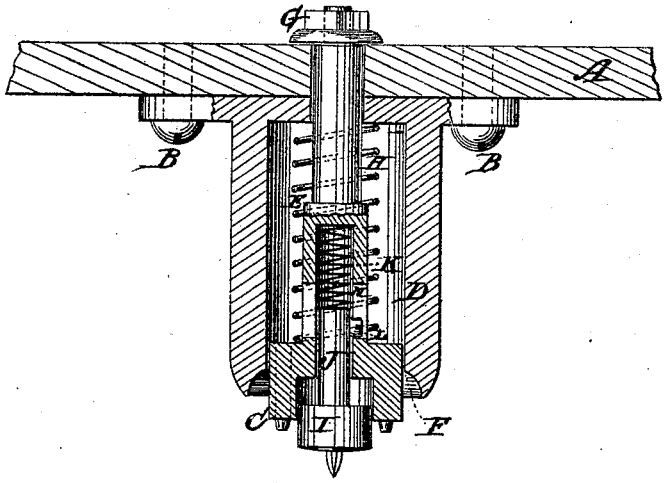


Fig: 2.



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UNITED STATES PATENT OFFICE.

ELI P. WASTE, OF NEW YORK, N. Y.

IMPROVEMENT IN CRACKER-MACHINES.

Specification forming part of Letters Patent No. **184,562**, dated November 21, 1876; application filed November 4, 1876.

To all whom it may concern:

Be it known that I, ELI P. WASTE, of the city, county, and State of New York, have invented a new and Improved Die for Molding Crackers, of which the following is a specification:

The nature of this invention consists in constructing a die for molding and stamping crackers, the same being provided with a double discharge, each of which, acting independently of the other, insures a free discharge of a well-formed cracker, the construction and operation of my invention being described as follows:

Figure 1 represents a plan of my invention. Fig. 2 is a sectional side elevation through the line *x x*.

Similar letters of reference indicate corresponding parts.

In the case here presented, A represents a platen, on which any desired number of dies may be set, the said dies being attached thereto by screws B B. C is a die, upon whose face there are raised letters representing the name of the manufacturer. This die fits snugly in the shell D, as shown in the drawing. The stem C′ of the said die extends upward through the platen, and has a shoulder, E, which prevents its receding farther than to bring the face of the die flush with the curve of the cup F. The said stem has a nut, G, screwed on its upper end, which, in connection with the spiral spring H, serves to keep the same in position shown in Fig. 2. I is a solid central piece, fitting snugly within the aforesaid die, and whose stem J extends upward into the stem of the die C. K is a spiral spring set within the said stem, and, bearing against the upper end of the stem J, serves to keep the same inclined outward, as shown in Fig. 2. L is a set-screw for holding the central piece I in place. M is a slot in the stem C, through which the screw L passes, and thus allows for the movement of the central piece.

It will here be observed that as the above-described die or dies come in contact with the dough, they will recede back to a common level with the line of curve of the cup F and form its base, imprinting such shape, name, or impression as may be marked thereon, and immediately upon the platen being raised the cracker or crackers will be freed from the mold by a double discharge—that is to say, the body of the cracker is forced out of the mold by both dischargers C and I; but the special use of the central discharge I, in extending outward farther than C, is to enable it to discharge the cracker clear from the impression on C.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A die for molding and stamping crackers, having a double discharge, C and I, one fitting within the other, the same being actuated by springs H and K, in the manner and for the purpose substantially as herein set forth, shown, and described.

ELI P. WASTE.

Witnesses:

CHARLES H. NASH,

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