

R. Arnold,
Confectionery Mold.

N^o 30,661.

Patented Nov. 20, 1860.

Fig. 2

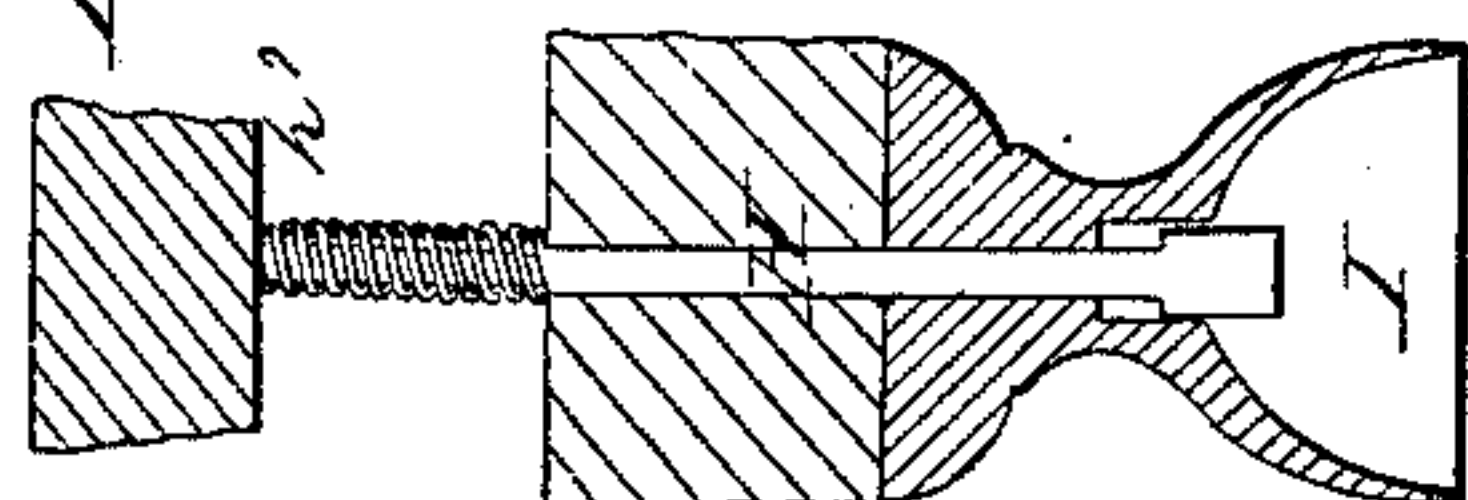


Fig. 3

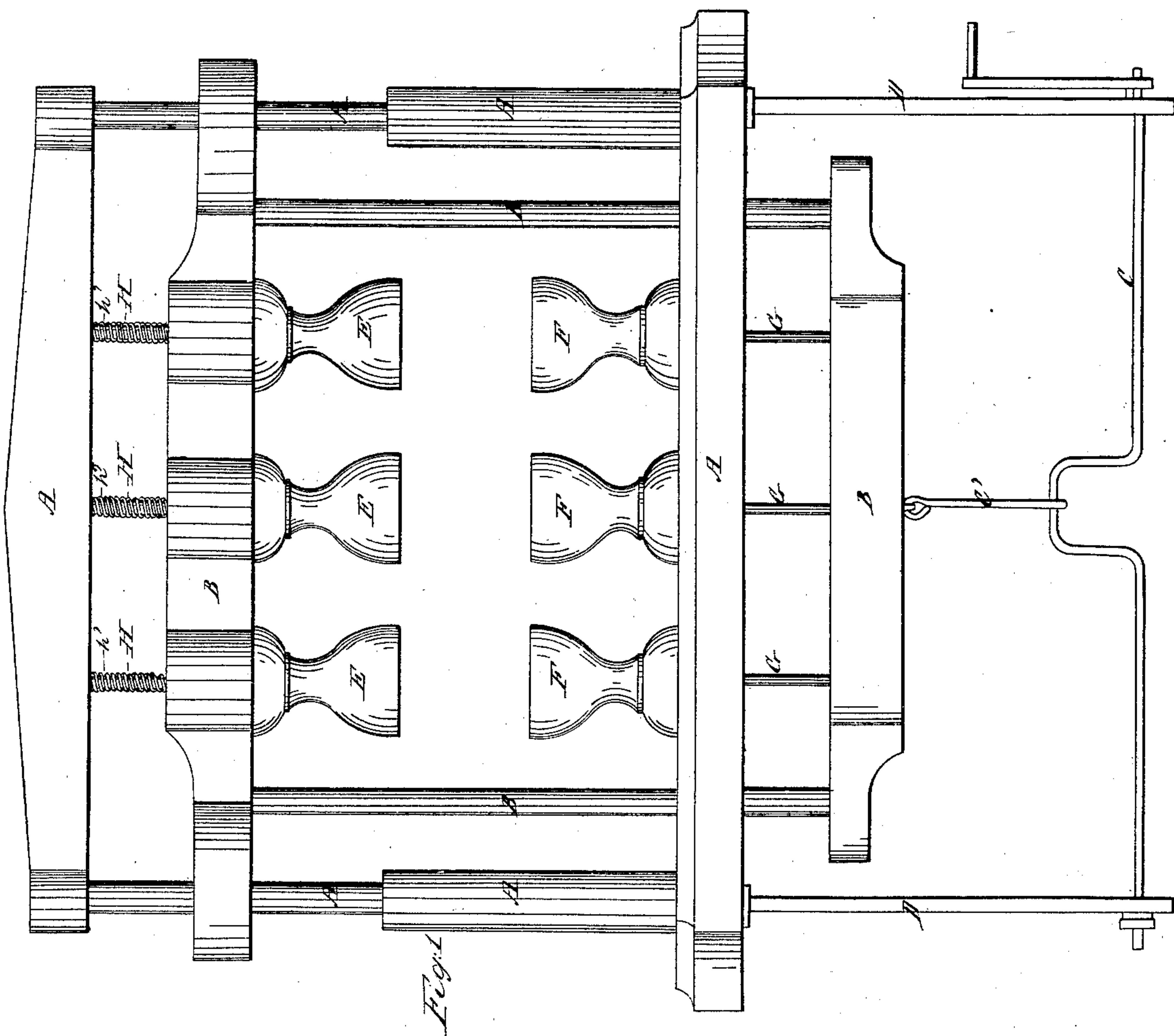
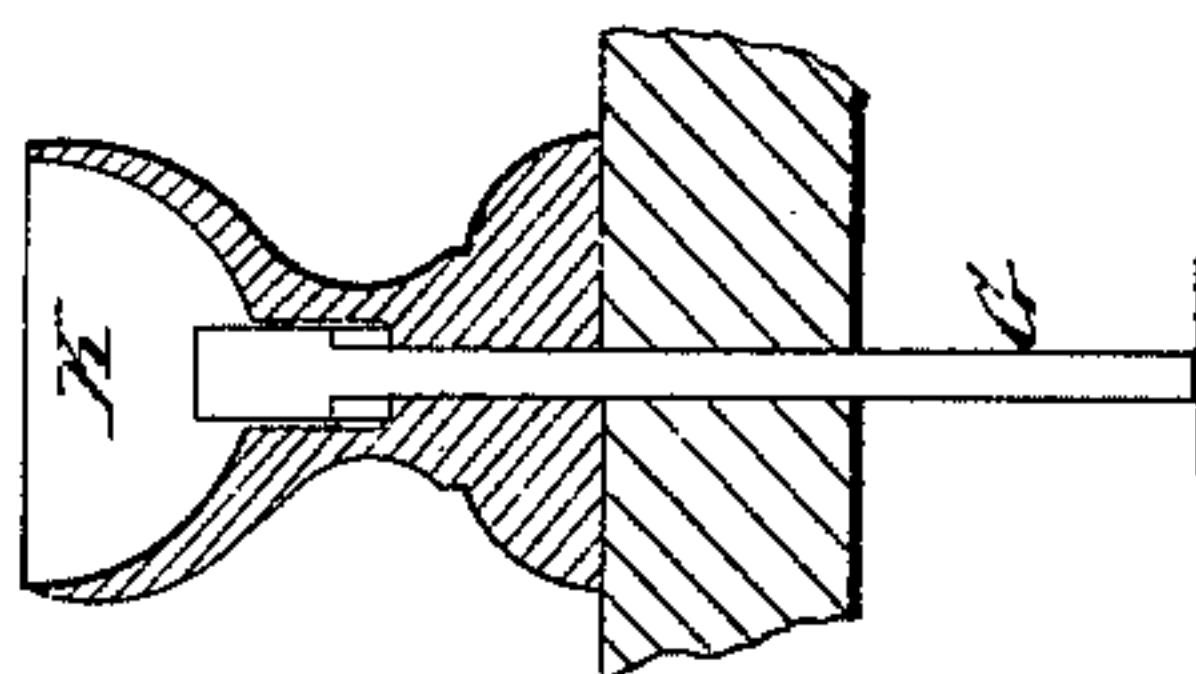


Fig. 1

Witnesses
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RUSSELL ARNOLD, OF HARTFORD, CONNECTICUT.

IMPROVED MACHINE FOR MOLDING PARCHED-CORN BALLS.

Specification forming part of Letters Patent No. 30,661, dated November 20, 1860.

To all whom it may concern.

Be it known that I, RUSSELL ARNOLD, of Hartford, in the county of Hartford and State of Connecticut, have invented a new and useful Machine for Molding Parched Corn into Balls, and is called "Arnold's Parched-Corn-Ball Molding-Machine; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, in which—

Figure I is a front view. Fig. II is a sectional view of the upper half of the molding-cup; Fig. III, a sectional view of the lower half of the same.

A represents the outer frame of the machine.

B represents the inner frame of the machine.

C represents a crank-shaft.

C' represents a rod connecting the crank-shaft C with the lower bar of the frame B.

D represents the hangers, by which the crank-shaft C is attached to the frame A.

E represents the upper half of the molding-cup, which is secured to the upper cross-bar of the frame B, directly over its corresponding cup F.

F represents the lower half of the molding-cup, which is secured to the lower cross-bar of the frame A, directly under its corresponding cup E.

G represents a pin, which passes through the bottom of the cup F; also through the lower cross-bar of the frame A.

H represents a corresponding pin, which passes through the top of the cup E; also through the upper cross-bar of the frame B, and is held in place by the spiral spring *h'*.

h' represents the spiral spring attached to the pin H, to hold it in place.

I represents a section of a half-cup attached to an upper cross-bar, with the arrangement of the pin H, and spiral-spring *h'*.

K represents a section of a half-cup attached to a lower cross-bar, with the arrangement of the pin.

The nature of my invention consists in so constructing the frames A and B as that they shall be operated by the revolution of the crank-shaft C, and having the cup E attached, as described, to the cross-bar of the frame B, directly over the cup F, which is in like manner attached to the cross-bar of the frame A, so that by the revolution of the crank-shaft C, connected to the frame B by the rod C', the parched corn, when placed in the cup F, is compressed into balls, and, by a like revolution of the crank-shaft C, the cup is thrown open, and the outer ends of the pins G and H are forced against the cross-bars of the frames, as set forth, thus ejecting the ball from the cups, and leaving them free to receive a fresh supply of corn.

My machine is intended to be operated either by motive power or by hand.

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

The arrangement, in combination, of the frames A and B, together with the cups E and F, the pins G and H, the spiral spring *h'*, the crank-shaft C, and the connecting-rod C', to be used for the purpose specified, substantially as herein described.

RUSSELL ARNOLD.

Witnesses:

EDW. BEHL,

WAIT N. HAWLEY.