(No Model.)

J. C. ECKERT.

SEALING WAX MOLD.

No. 483,512. Patented Sept. 27, 1892.

Fig. 1.

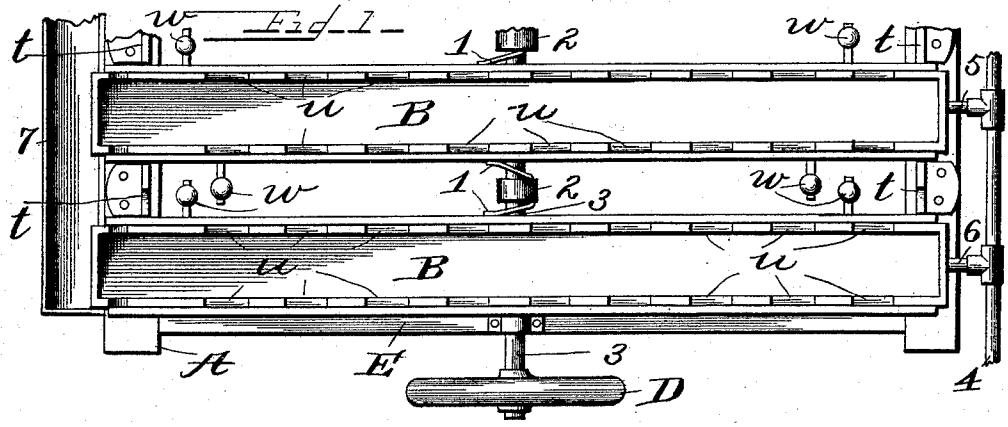


Fig. 2.

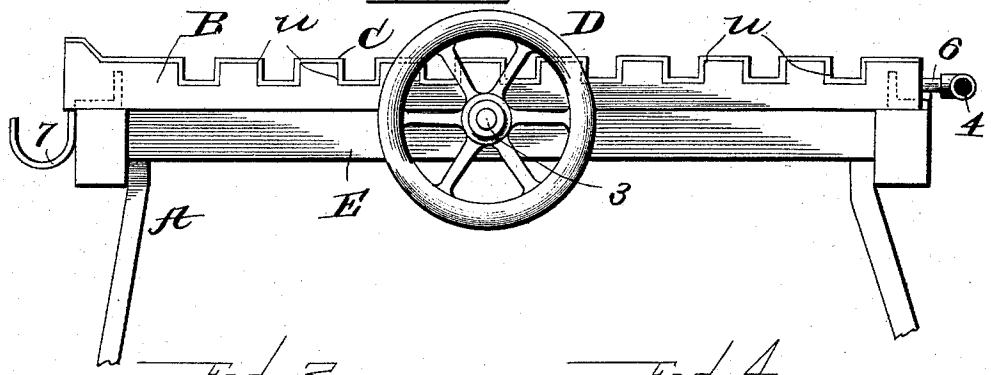


Fig. 3.

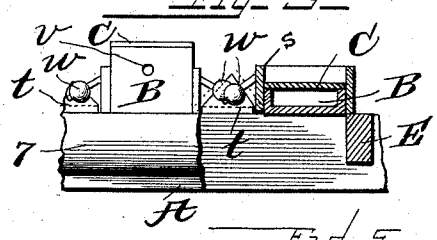


Fig. 4.

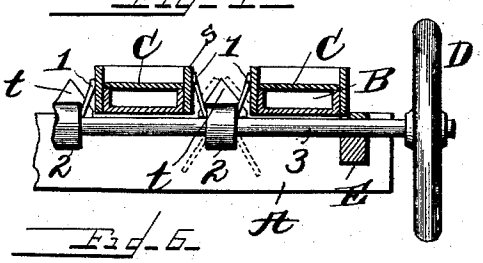


Fig. 5.

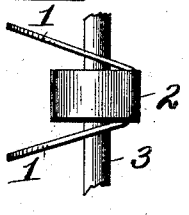
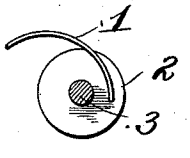


Fig. 6.



Witnesses
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN C. ECKERT, OF DAYTON, OHIO, ASSIGNOR TO THE FIRM OF DICKS & WIGGINE, OF SAME PLACE.

SEALING-WAX MOLD.

SPECIFICATION forming part of Letters Patent No. 483,512, dated September 27, 1892.

Application filed October 14, 1889. Serial No. 326,979. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. ECKERT, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Sealing-Wax Molds; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in sealing-wax molds, the several features of which will be fully hereinafter set forth and claimed.

The object of my invention is to cool the molds, so that the cakes of sealing-wax formed therein may be more rapidly handled than if the cooling is slower.

I attain the object by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a top view of the molds. Fig. 2 is an end view of the same. Fig. 3 is a side view of two molds and the closing-plates with a portion cut away. Fig. 4 is a transverse section near the shaft, showing the closing-plates in position. Fig. 5 is a top view of the wire cam. Fig. 6 is a side view of the same.

Like letters and figures designate like parts throughout the several views.

A is a wooden frame consisting of side rails held by cross-pieces and supported on legs. At the center of the cross-pieces E are bearings for the shaft 3, and on this are attached the wire cams of parts 1 and 2 between two molds. Said wire cams consist of a cylindrical part 2 and the wire 1, bent outwardly from its axis and laterally, so that when the free ends are turned up the closing-plates *s* are held against the sides of the molds. These closing-plates have plane surfaces and arms at their centers extending outwardly, on which the weights *w* are attached which hold the closing-plate from the sides of the molds. The ends of the plates rest on the side rails between the molds and the angular plates *t t* and bear against lugs of said plates in their normal position. To move the wire cams, a hand-wheel D is attached to the shaft. The space between the ends of the wire of the cam is greater than the space between the closing-plates when they are in a vertical position, and as a consequence when the cams are turned so that the free ends bear against the closing-plates the same close the sides of the molds by the resiliency of said wire. The cast-iron plates B are secured to the top of the frame, and within the sides is a series of recesses *w* to receive the corrugated plate C, forming the top of the mold. On the ends are lugs, to which are attached the pipes 5 and 6, and these connect with the pipe 4, which is connected with a reservoir of water, and on the end opposite of the pipes is an orifice *v*, through which the water may flow into the trough 7, held on the side of the frame, and the elevation of said orifice is such that when the water is turned in the mold is filled. In operation the wire cam is turned to carry the plates against the sides of the mold, the wax is poured in the same, and when cooled the said wire cam is again turned, thereby letting the said closing-plates fall back, so that the cakes of wax may be removed.

I claim—

The combination, in a hollow mold, with parts B and C, the closing-plates *s*, with counter-weights *w* to hold said plates from the sides of the molds, and the wire cam, of parts 1 and 2, held on shaft 3 to hold said plates against the sides of said mold while the melted wax is hardening, substantially as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOHN C. ECKERT.

Witnesses:

B. PICKERING,

B. F. HERSHEY.