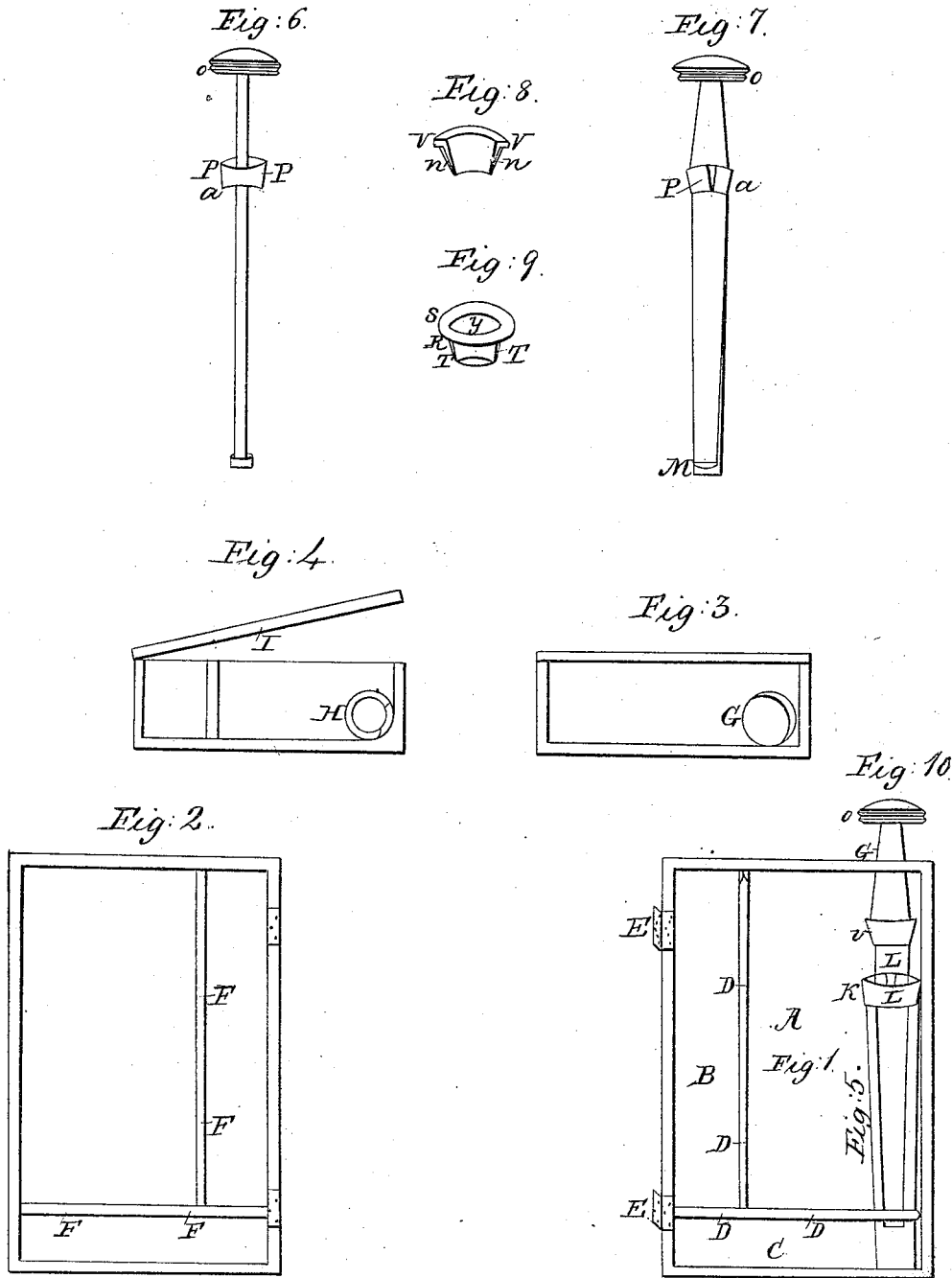


N. T. & S. B. GASSETTE.
Cigarette Mold and Box Combined.

No. 52,842.

Patented Feb. 27, 1866.



Witnesses.

C. Curtis
J. H. Manning

Inventors.

Norman T. Gassette
Silas B. Gassette

UNITED STATES PATENT OFFICE.

NORMAN T. GASSETTE AND SILAS B. GASSETTE, OF CHICAGO, ILLINOIS.

CIGARETTE MOLD AND BOX COMBINED.

Specification forming part of Letters Patent No. 52,842, dated February 27, 1866.

To all whom it may concern:

Be it known that we, NORMAN T. GASSETTE and SILAS B. GASSETTE, of Chicago, in the county of Cook and State of Illinois, have invented an Improved Cigarette Mold and Box Combined; and we do hereby declare that the following is a full and clear description of the same, reference being had to the accompanying drawings, and letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a horizontal view of the bottom of the cigarette-box containing cigarette-mold. Fig. 2 is the lid or cover of cigarette-box. Fig. 3 is one end of cigarette-box through which the press passes when in use or in which it is fastened when not in use. Fig. 4 is a sectional view of cigarette-box and cigarette-mold. Fig. 5 is the mold into which the wrapper is passed preparatory to filling with tobacco. Fig. 6 is the side view of press. Fig. 7 is the front view of press which passes into chamber. Fig. 8 is a sectional view of the clamp, showing projections on the side. Fig. 9 is the clamp, with projections, which fastens the wrapper to be filled at the top of the cigarette-mold, Fig. 5. Fig. 10 is a view of the press partially down in the mold.

The nature of our invention consists in providing a convenient and speedy method of manufacturing cigarettes by means of a combination of tobacco-box and cigarette-mold in the same square.

To enable others skilled in the art to make and use our invention, we will describe its construction and the method of making the same.

First, for the convenience of those using the same, we construct the box of substantial material, divide it into chambers by partition, and appropriate each to its use.

A is the apartment in which the mold is fastened, into which the cigarette-wrapper is passed, as it is also the space given for the tobacco. B is the apartment for keeping the necessary wrappers for the cigarette. C is the match-chamber. D D are projections which shut into grooves in the lid for the purpose of keeping the tobacco from the chambers B and C. E E are the hinges for fastening the lid to the box. The cover or lid, Fig. 2, is made of the same substantial material, and is fastened with hinges E E on the other part of the box.

F F are grooves cut to receive the projections D D, as aforesaid; otherwise the lid is flat.

The upper end of the box, denoted by Fig. 3, is intended to correspond with the rest of the box, and is cut, as represented by letter G, with a slight skew, so that the press 6 7 10 may be screwed into it, fastening the bulge N N and projections P P into the beveled mouth K and grooves L L, preventing the tobacco from falling into the mold, Fig. 5, when not in use, or in use allow sufficient room to work conveniently or withdraw entirely.

The sectional view of box is drawn with a view to give a more general idea of depth, &c., than for practical advantage. H is the small part of hollow cigarette-mold represented by Fig. 5. I is the sectional view of lid. The mold represented by the drawings, Fig. 5, is a hollow tube, made for the reception of the wrapper to be filled. At its mouth K it is of sufficient thickness and slant to allow a clamp, Fig. 9, with projections T T on the sides, to be forced into the cavity filling the grooves L L, securely fastening the wrapper, keeping it in its place, and preventing its breaking during the process of filling, as also, when not in use, to receive the bulge N N on the press, (shown by Figs. 6, 7, 10,) shutting the mold from the tobacco.

The press represented by Figs. 6, 7, 10 give a side view, front view, and a view of it being screwed home into the space marked G on Figs. 3 and 1. It is flat with the exception of the parts denoted by the letters M M N N O O. M M is a round nub, flat on the bottom, so made for the purpose of pressing the tobacco tight into the wrapper. N N is a bulge with projections P P, made for the purpose of shutting into the beveled mouth K and grooves L L of the mold, Fig. 5, to keep the tobacco from falling in when not in use. O O is the round plate on which the screw is cut screwing into the space on Figs. 3 and 1, denoted by the letter G when not in use, firmly fastening the bulge U U and projections P P on press 6 7 10 into the grooves L L in the mouth K of the mold, Fig. 5, keeping all tobacco out of the mold, as aforesaid.

Fig. 8 is a sectional view of clamp, Fig. 9. V V is the rim reaching over the top edge of mouth K of mold, Fig. 5. W W shows the projections suited to fill the grooves L L in

mouth K, Fig. 5. The clamp is formed substantially as shown by Fig. 9. S S is a rim of sufficient breadth to reach over the top edges of the mold, Fig. 5, so as to be easily pressed into the mouth K of the mold, Fig. 5, or taken out. R is a beveled hollow tube with projections T T, for forcing and firmly holding the edges of the wrapper, during the process of filling, in the mouth K and grooves L L of the mold, Fig. 5.

Fig. 10 is a view of the press, Figs. 6, 7, 10, about being pressed to the bottom of mold, Fig. 5, together with bulge U and projections to fill the grooves L L in mouth K of Fig. 5, and also of the screw O O of the press, Figs. 6, 7, 10, about to fill the space G in Fig. 3 and (or) G in Fig. 1.

Operation: In making a cigarette by the use of our invention, providing the press 6 7 10 is screwed into the space in the end of the box shown by the letter G in Figs. 3 and 1, after opening the box it is first necessary to withdraw the press 10 from the mouth, Fig. 5, sufficiently far to have the mold K of the mold, Fig. 5, open. Take the wrapper, of sufficient size to fill the mold, Fig. 5, place the clamp, Fig. 9, in the large end of the folded wrapper, place the small end of the wrapper in the mouth K of Fig. 5, and steadily put the paper in until the clamp fills the beveled mouth K and grooves L L with the top of the wrapper tightly holden. Leave the clamp, Fig. 9, in the mouth K, for the tobacco in apartment A to slide over and through the opening Y in Fig. 9 into the wrapper in the mold, Fig. 5, held firmly at the

mouth K by clamp, Fig. 9. Shut and fasten the lid, tip the box sufficiently for the tobacco in apartment A to fall over and through clamp, Fig. 9, in mouth K, Fig. 5, into wrapper. As it gradually fills force the press 10 into the mold, Fig. 5, top of the tobacco. Then withdraw the press 10, let in some more tobacco, force in the press again, and so on until the wrapper is full. The tobacco having been forced into the wrapper by the press will be hard and fill the wrapper round and smooth. Now wholly withdraw the press from the opening at the end of the box at the letter G in Figs. 3 and 1, and shove the cigarette through the small end of the mold out at the same opening, letter G in Figs. 3 and 1. When through using return the press and screw into its proper position.

Having fully described our device, what we claim as our invention, and desire to secure by Letters Patent of the United States, is—

1. The combination of match-box, tobacco-box, and cigarette-mold.
2. The clamp with projections for fastening wrapper to the top of the mold.
3. The complete cigarette-mold as made by the combination of its parts represented by Figs. 5, 10, and 9, all substantially as described, and for the purposes set forth.

NORMAN T. GASSETTE.
SILAS B. GASSETTE.

Witnesses:

CHAS. U. WRIGHT,
JOSEPH E. DYAS.