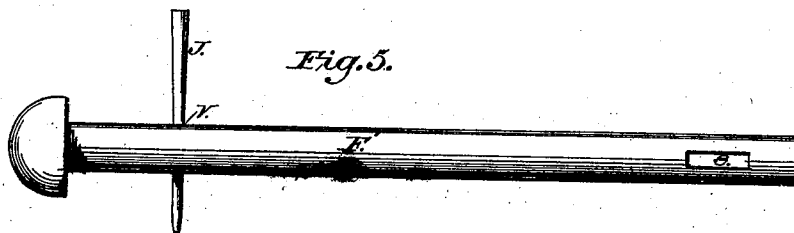
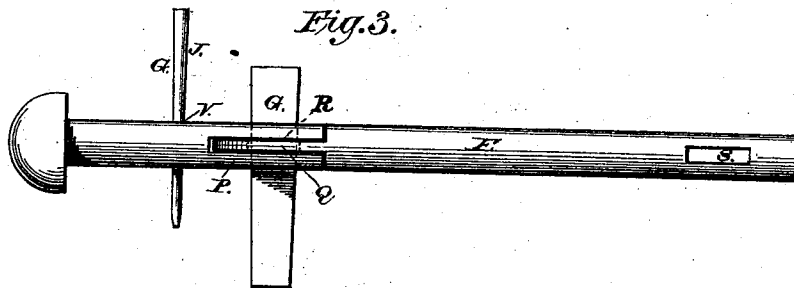
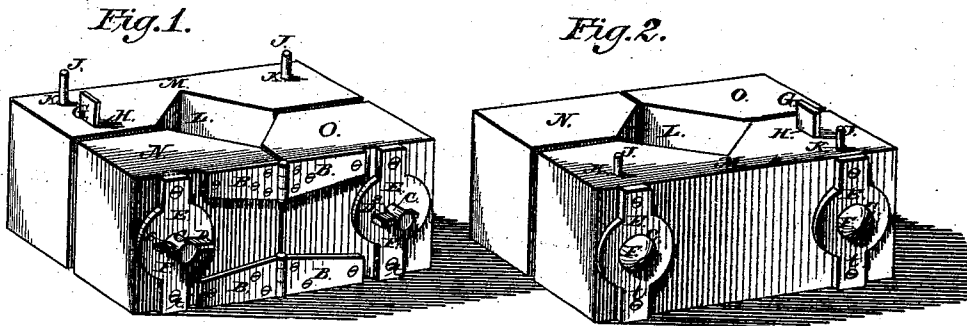


W. W. WOOD.
TOBACCO-BOX CLAMPS.

No. 173,199.

Patented Feb. 8, 1876.



Attest:

Andrew C. Bowles
James S. LeMaywell

Inventor:

Warwick W. Wood.

UNITED STATES PATENT OFFICE

WARWICK W. WOOD, OF JONESVILLE, NORTH CAROLINA.

IMPROVEMENT IN TOBACCO-BOX CLAMPS.

Specification forming part of Letters Patent No. **173,199**, dated February 8, 1876; application filed September 3, 1875.

To all whom it may concern:

Be it known that I, WARWICK W. WOOD, of the town of Jonesville, county of Yadkin and State of North Carolina, have invented an Improvement in Tobacco-Box Clamps and Shrouding; and do hereby declare the following to be a full and correct description of the same, reference being had to the accompanying drawings, in which—

Figure 1 represents a front view of the clamp and shrouding complete. Fig. 2 represents a back view of the same. Fig. 3 represents coupled rod F with wedge G passing through it at mortise R. Fig. 4 represents rod F uncoupled. Fig. 5 represents rod F' without coupling, and with rod or pin J passing through it at hole V.

My invention relates to an improvement in that class of tobacco-box clamps and shrouding which are made of two solid square pieces of timber, with a shape to receive the tobacco-box, formed by cutting out like portions in the center of the sides, that face inward of each piece of timber, so that by facing the two sides together, thus cut, a square vacuum is formed, which is the place of confinement of the tobacco-box while in press, to prevent its bursting open during the process of packing tobacco in it; and my invention is intended to render this class of tobacco-box clamps and shrouding more easily operated and more complete in construction.

The block of timber M is one solid piece, and composes the entire rear of the shrouding. The blocks of timber N and O compose the front, which are connected at the center by means of a hinge or hinges, B, Fig. 1. The timbers above named are all the timbers used in this class of devices, and are connected and confined by means of two iron rods or bolts, which are introduced at holes C in flanges E on rear block of timber M, and passing toward the front until their heads fit up to flanges E, as shown in Fig. 2. By introducing wedges D at mortises S S, passing through rods F F', as in Fig. 1, the clamping-power may be increased and lessened by tightening or slack-

ening said wedges. One of the rods or bolts F is coupled, being made of two pieces of iron, (either round or square,) which are connected by means of groove and tenon P and Q, and are thus confined by means of wedge G, as shown in Fig. 3, and which, when parted or disconnected, are as shown in Fig. 4. Wedge G is introduced at mortise H in rear block M, and passes through groove and tenon of rod F at mortise R. (Shown in Fig. 3.) To open the clamp and shrouding, slacken wedge D in coupled rod F, and raise or draw wedge G from its position in Fig. 1, so as to part or disconnect rod F at P and Q; then draw front piece of rod F one and a half inch to the front, and block N may be swung around to the right hand, after the manner of a door on hinges, placing it entirely out of the operative's way while he removes a filled package from and replaces an empty box in its place of confinement at L in Figs. 1 and 2, thus relieving him of the onerous labor of lifting the packages back and forth over the front of the shrouding N and O, and which can be done quicker than on the plan heretofore used, and with a great deal more ease to the laborer. Round bolts or pins J are used, entering holes K in block M, passing through rods F F' at holes V, as shown in Figs. 1, 3, and 5, to prevent rods F F' from sliding backward. Flanges E and hinges B are fastened onto timbers M, N, and O by means of screws t.

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

1. The clamp-block M, in combination with the hinged clamp-blocks N O, as and for the purposes set forth.

2. The rods F F', the former provided with coupling devices, and both having mortises S and wedges D, in combination with the clamp-blocks M N O, substantially as and for the purposes described.

WARWICK W. WOOD.

Witnesses:

ANDREW C. COWLES,
JAMES S. CLAYWELL.