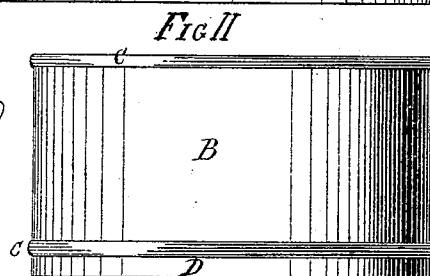
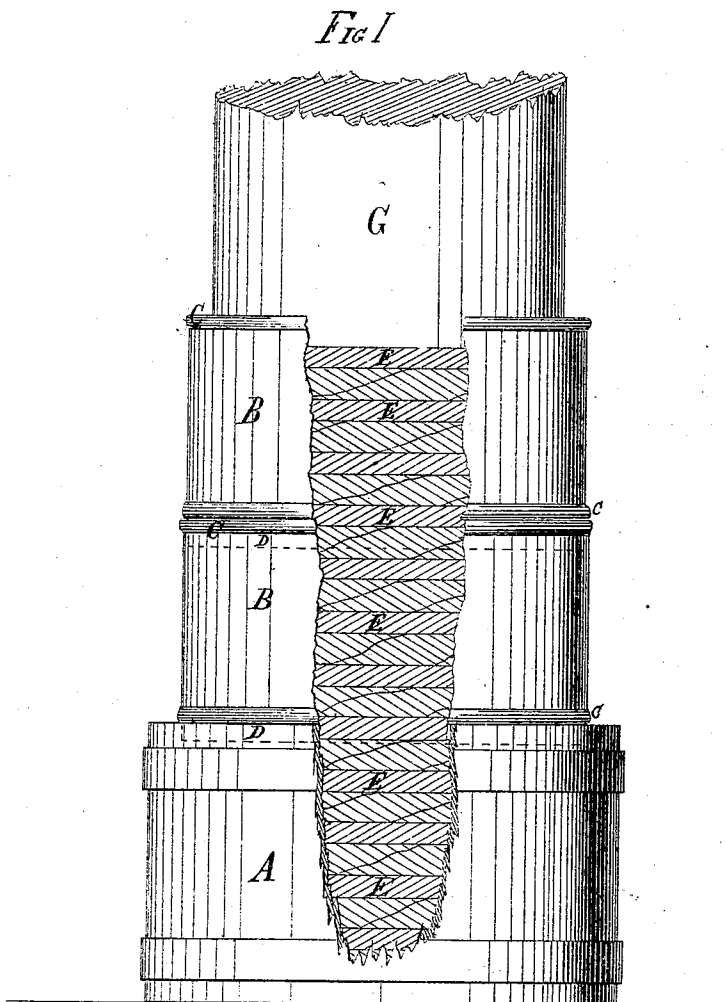


J. K. EARICKSON & J. R. HARRIS.

Apparatus for Pressing and Packing Tobacco.

No. 136,225.

Patented Feb. 25, 1873.



Witnesses.
Chas. C. Wilson
J. H. Harkness,

Inventors
John K. Erickson
Jacob R. Harris
by their attorneys
Cox & Cox

UNITED STATES PATENT OFFICE.

JOHN K. EARICKSON AND JACOB R. HARRIS, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN APPARATUS FOR PRESSING AND PACKING TOBACCO.

Specification forming part of Letters Patent No. 136,225, dated February 25, 1873.

To all whom it may concern:

Be it known that we, JOHN K. EARICKSON and JACOB R. HARRIS, both of the city of St. Louis, in the State of Missouri, have invented a new and useful Improvement in Pressing and Packing Tobacco, of which the following is a specification, reference being had to accompanying drawing.

Nature and Objects of the Invention.

The invention relates to an improvement in devices for pressing tobacco and packing tobacco; and consists of open rims arranged to properly fit into each other, and also into the caddy or receptacle into which the tobacco is to be packed, these rims being provided with plates placed in and conforming to their inner superficies, between which plates the rolls or bunches of tobacco are pressed. The rims are also employed in packing tobacco, being fitted upon the caddy or other receptacle to retain the plugs or cakes in proper position while they are being pressed into the caddy; the object of the invention being to facilitate the pressing and packing of tobacco.

Description of the Accompanying Drawing.

Figure 1 is a side elevation of a device embodying the elements of the invention, a portion of the rims B and drum A being broken out to show the internal arrangement of the boards E. Fig. 2 is a view of rim B.

General Description.

In the accompanying drawing, A represents a caddy or wooden drum, into which the tobacco is to be packed preparatory to putting it on market, one end of the drum being removed. B is a tin, metal, or wooden rim, open at each end, and provided on its upper edge with the bead C, and on its lower portion with a corresponding bead, below which is provided the flange D, which fits into the upper part of the rim in which the flange is placed, descending therein until the bead above it comes in contact with the bead upon the upper edge of the rim below. E are plates fitting snugly within the rim B and caddy A, and are superposed one above the other, leaving intervals or spaces between them, in which spaces the tobacco to be pressed is placed. If the circu-

lar form of device is used, the diameters of the drum A, rim B, and plates E are nearly the same. G is a plunger of a press, which is constructed to descend within the rim B.

Operation.

The bottom of the caddy A is covered with a layer of rolls or bunches of tobacco, upon which is placed one of the plates E, on top of which is placed a layer of rolls or bunches, and the caddy and rims thus filled with alternate layers and plates. The plunger G is now brought down and the tobacco evenly pressed between the plates and the lower plate and bottom of the caddy A. It is obvious that any means of pressure will answer, so that the force be exerted over the surface of the upper plate E. It is also obvious that the tobacco can be pressed without the use of the caddy A by employing simply the rims B and plates E under the plunger G. As the tobacco is forced down by the action of the press, new layers and disks may be placed within the upper rim and the operation of pressing repeated. When the tobacco is sufficiently pressed the plates and bunches, now pressed into plugs or cakes, are taken out of the rims and a proper quantity of plugs or cakes placed in the caddy A in any desired arrangement, and then pressed in the ordinary manner; or the caddy is provided with one or more of the rims B, and the entire weight of plugs which the caddy A is to contain is placed in the caddy and rim or rims, the head of the caddy or one of the plates E being placed on top of the tobacco, which is then pressed until the whole mass is forced into the caddy, which may then be headed up; or the caddy may be filled with the plugs, and this pressed; then a proper quantity added and pressed; the operation being repeated until the caddy is packed.

The rims B and plates E may be of any desired form, so that their plates will fit snugly and can have free ascending and descending movement in the rims. Any form of caddy or drum can be used, the rims and plates being made to conform thereto.

By the pressure, as above described, the air is expelled from the tobacco, so that the danger of decay is avoided, and the operation of packing facilitated.

Claims.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. The rim B, provided with the bead C and flange D, forming part of an apparatus for pressing or packing tobacco, substantially as shown and described.

2. The rim B, provided with the bead C and flange D, in combination with the plates E, as and for the uses and purposes substantially as shown and described.

3. The rim B, provided with the bead C and flange D, in combination with the plates E, arranged relatively to a caddy, A, substantially as shown and described.

4. The rim B, provided with the bead C and

flange D, arranged relatively to the caddy A substantially as shown and described.

5. The means herein described, consisting of the rim B, plates E, caddy A, and plunger G of a press, as a method of expelling the air from tobacco, substantially as shown and described.

In testimony that we claim the foregoing improvement in the method of preparing tobacco for packing, as above described, we have hereunto set our hands and seals this 7th day of January, 1873.

JOHN K. EARICKSON. [L. S.]
JACOB R. HARRIS. [L. S.]

Witnesses:

J. WILL BOYD,
JNO. W. BLOOMER.