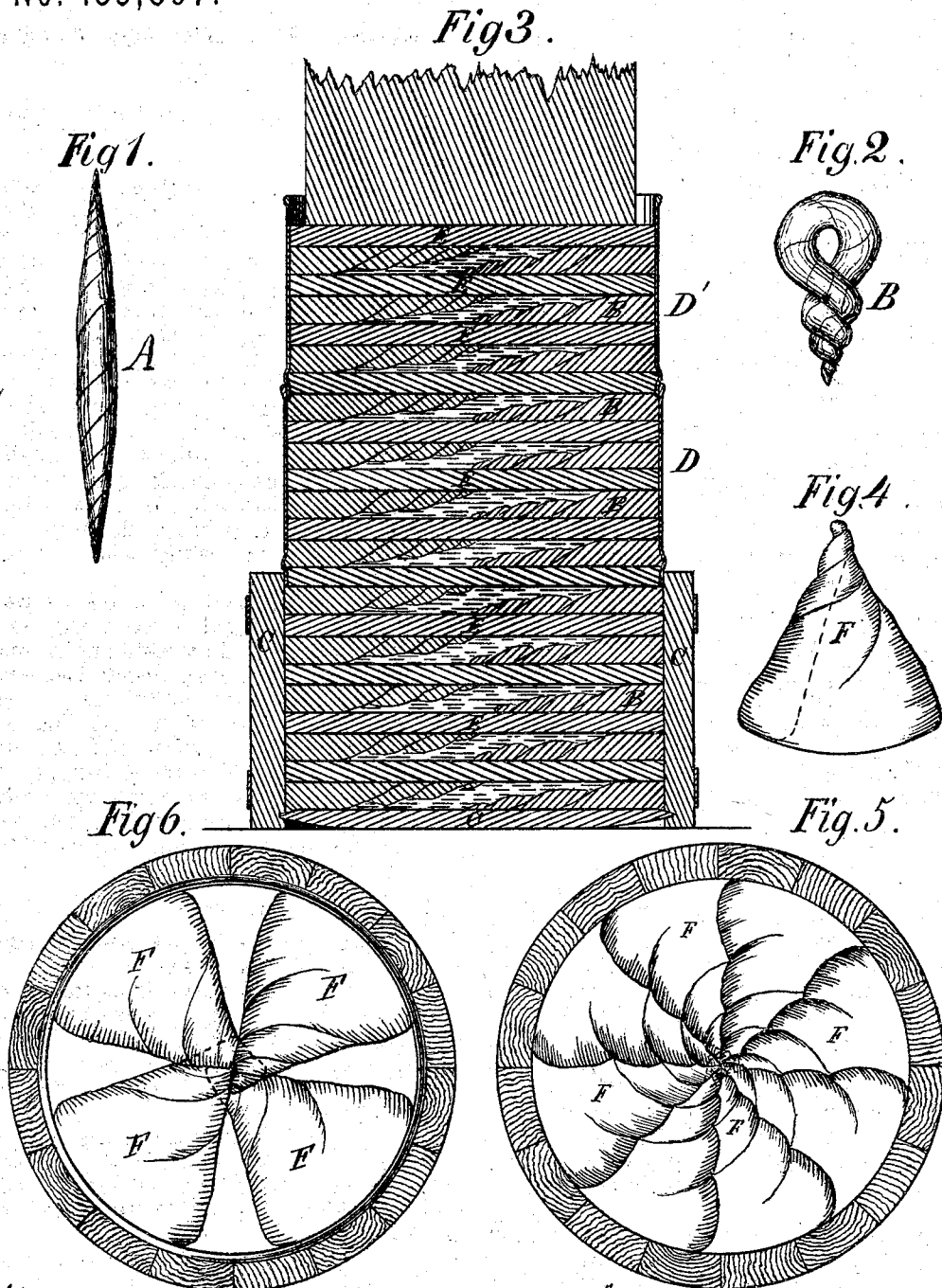


J. K. EARICKSON & J. R. HARRIS.

Shaping and Arranging Tobacco for Packing.

No. 135,897.

Patented Feb. 18, 1873.



Witness
Chas. Wilson
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UNITED STATES PATENT OFFICE.

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

IMPROVEMENT IN SHAPING AND ARRANGING TOBACCO FOR PACKING.

Specification forming part of Letters Patent No. 135,897, dated February 18, 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 Shaping and Arranging Tobacco for Packing, of which the following is a specification, reference being had to the accompanying drawing.

Nature and Objects of the Invention.

The invention relates to the conformation of bunches of tobacco into plugs or cakes, and their subsequent arrangement in packing in drums. The object of the invention is to produce a superior form of plug or cake chewing-tobacco, and so pack it that a single cake can be removed without disturbing the mass.

Description of the Accompanying Drawing.

Figure 1 is a view of the roll or bunch of tobacco. Fig. 2 is the same bent and twisted preparatory to pressing. Fig. 3 is a section showing the arrangement of the rolls in a press. Fig. 4 is the roll when pressed into a cake, F. Figs. 5 and 6 exhibit the arrangements of the cake, Fig. 4, in the drum.

General Description.

The tobacco is first made into the roll, Fig. 1, which consists of a filler and wrapper formed into the elongated elliptical shape shown; the ends are then bent together and twisted into the form of bunch shown at Fig. 2. These rolls are then subjected to a preliminary pressure, by which the joints or edges of the wrapper are broken, and the air expelled from the bunch, and the bunch, Fig. 2, is reduced to the form of the cake, Fig. 4. A number of the cakes—four being used in the present instance—are now placed on the bottom of the drum, with their larger ends against the vertical surface thereof, their smaller ends toward the center, and each end overlapping the one last deposited; this will leave four spaces, one between each of the cakes, over which are placed, in a manner similar to that aforesaid, four additional cakes; then four more cakes are placed one between each of the intervals separating the last layer depos-

ited, this operation being repeated until the drum is filled; but, as the number of cakes necessary to make up the weight of tobacco the drum is to contain cannot be placed in the drum when they have been subjected only to the pressure aforesaid, a rim, as in said application described, is placed upon the drum and filled with cakes arranged as above set forth; or, if desired, the cakes, Fig. 4, may be arranged in the drum so that each succeeding one properly overlaps and has its smaller end placed above the preceding cake, the larger ends being on the circumference, the smaller at the center. The tobacco is now subjected to the packing-pressure until all the cakes are forced into the caddy, when it may be headed up.

By this arrangement the cakes are packed with their smaller ends overlapping, so that each may be removed by taking up its smaller end and raising the cake, which does not disturb the other in the caddy; also, owing to the peculiar structure of the roll, Figs. 1 and 2, the edges may be broken and the air expelled from the bunch without disfiguring the same; and this also prevents the ordinary danger of molding from confined air, and facilitates the operation of packing by allowing it to escape.

Claims.

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

1. As a new article of manufacture, the cake or plug of tobacco, Fig. 4, when pressed substantially as herein described.

2. The arrangement of the cakes, Figs. 5 and 6, in the drum, substantially as shown and described.

In testimony that we claim the foregoing improvement in the method of packing tobacco, 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:

I. WILL BOYD,
JNO. W. BLOOMER.