

W. & D. Kiehart,

Manf. Tobacco.

No. 85613.

Patented Jan. 5. 1869.

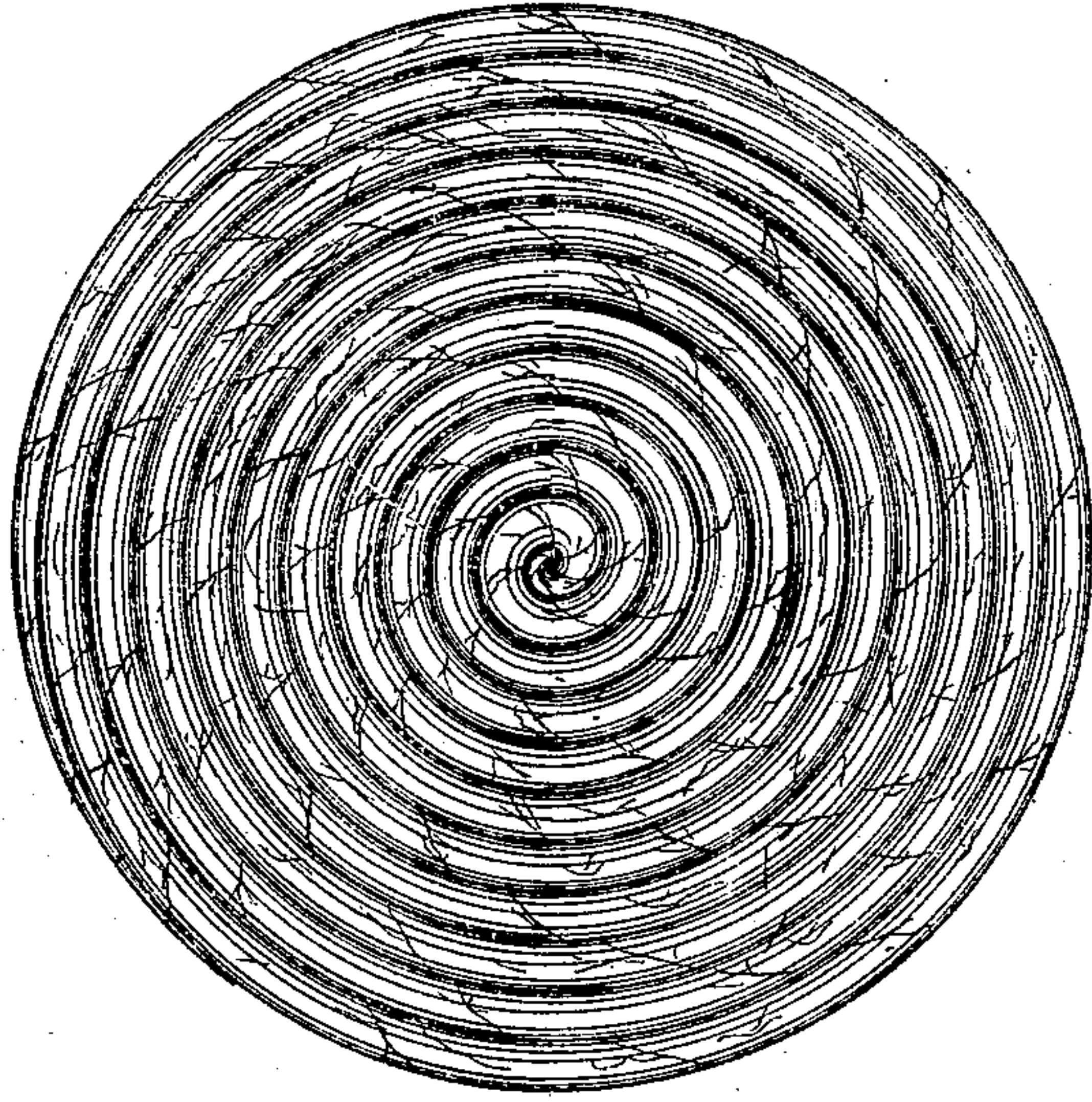


FIG. 1.

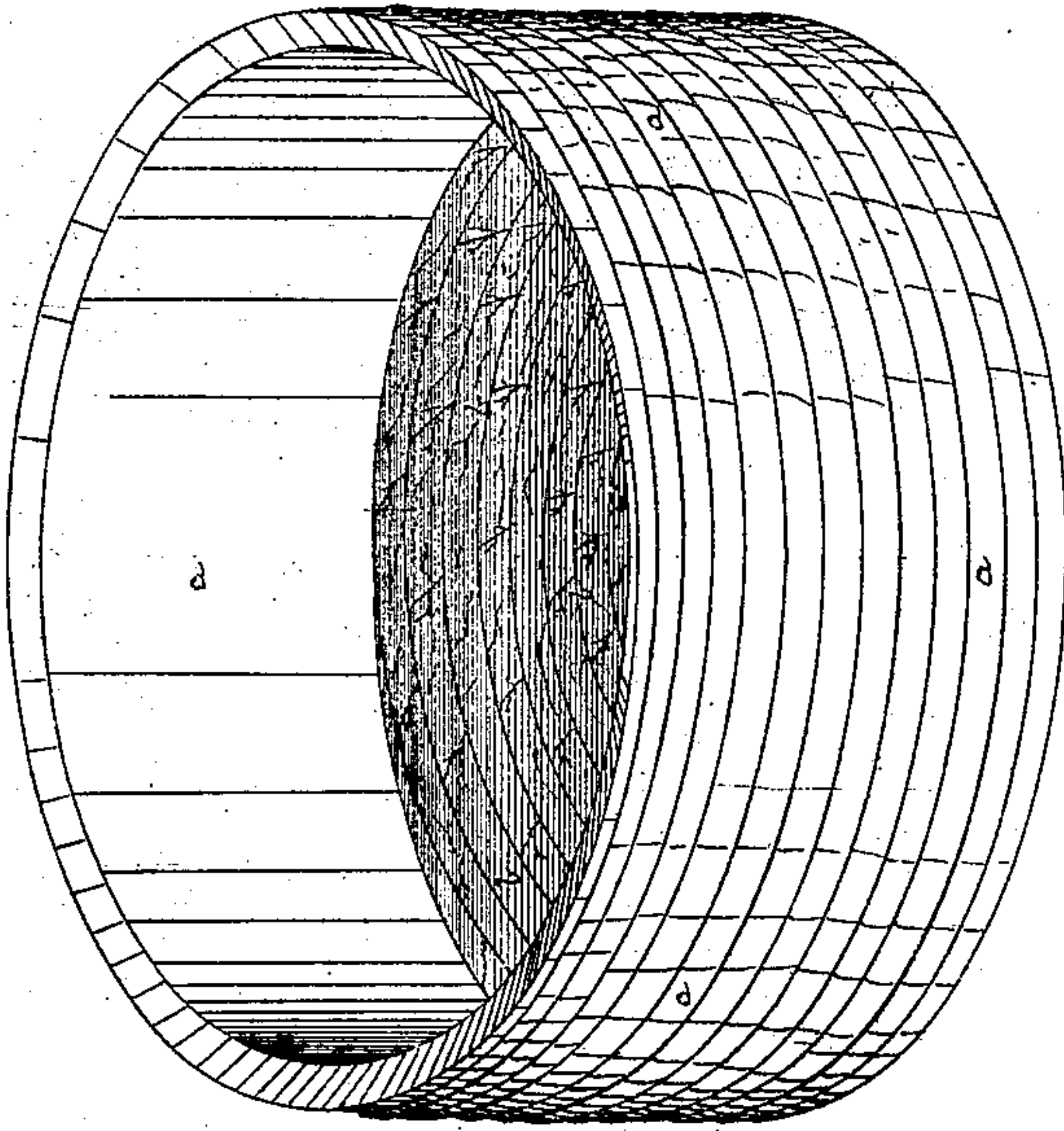


FIG. 2.

Witnesses

Thos. B. Kerr

W. D. Lewis

Inventors:

W. & D. Kiehart

David Kiehart

by Bakewell & Christy

Their attys



# United States Patent Office.

WILLIAM RINEHART AND DAVID RINEHART, OF PITTSBURG, PENNSYLVANIA.

Letters Patent No. 85,613, dated January 5, 1869.

## IMPROVEMENT IN THE MANUFACTURE OF CHEWING-TOBACCO.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, WILLIAM RINEHART and DAVID RINEHART, of Pittsburg, in the county of Allegheny, and State of Pennsylvania, have invented a new and useful Improvement in the Manufacture of Chewing-Tobacco; and we do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, making a part of this specification, in which—

Figure 1 is a top view of a coil of tobacco, illustrating one step in our process of manufacture, and

Figure 2 is a perspective view of a keg with a coil of the finished tobacco pressed therein.

The object of our invention is to provide a cheaper and more expeditious mode of manufacturing and putting up chewing-tobacco for sale, and also to put it up in a form more convenient for the retailer, in selling; and

The nature of it consists in manufacturing chewing-tobacco by spinning the "brakes" into a continuous brake, and coiling and pressing the same in the keg, box, or other package in which it is to be packed for market.

To enable others skilled in the art to make use of our invention, we will proceed to describe our improved process of manufacture.

The tobacco is, by the ordinary process of manufacturing, gathered in rolls or twists in small quantities, which, being covered with a leaf, constitute "brakes," so called. These are generally cut to a length, say, of from four to six inches, covered with a wrapper, and each brake pressed, in a separate mould or frame, to a plug-shape. Such plugs are then packed in a finisher, or finishing-box, and pressed solid. Thence they are removed to boxes, and properly packed for delivery and sale.

Our improved process dispenses with the cutting of the brakes, and the waste attendant thereon, also with the expense of frames or moulds, and the trouble and labor of pressing the brakes therein, and also with the finishing-box. The brakes, as heretofore prepared, we spin or twist together, by the use of any convenient spinning or twisting-device commonly employed for

like uses, winding the same in a continuous brake on a reel or drum. Then it is run off into coils, such as are shown in fig. 1, of any desirable size. These coils, made of the proper size, we place directly in a keg, *a*, or other package, one above another, and, by the application of power in any convenient or known way, press them down flat and solid, or as nearly so as practicable, as shown at *b*.

The diameter of the coil *b* equals the diameter of the keg *a*. In this form, the keg, box, or package being headed or closed, the tobacco is ready for market.

The retailer cuts, from either end of the coil *b*, such quantity as a customer may wish to purchase, without waste, and without the displacement of any part of that which remains unsold.

A finishing-box may be used, if deemed desirable.

In addition to the amount saved in the cost of frames or moulds, and other devices peculiar to the ordinary process of manufacture, we effect a further saving in the cost of the labor required, amounting to from one-half to two-thirds of the total cost. At the same time, we produce an equally good and marketable article, and one more convenient to the retailer in selling.

We are aware that pressed tobacco has been put up in a cylindrical keg in concentric rings, but this mode of putting it up does not obviate the labor and expense involved in pressing the tobacco before being coiled into rings, nor the cost of frames or other devices to be used in such pressing.

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

Putting up chewing-tobacco ready for market or use by packing and pressing, directly into the keg or other package, coils continuously spun or twisted, substantially as and for the purposes hereinbefore set forth.

In testimony whereof, we, the said WILLIAM RINEHART and DAVID RINEHART, have hereunto set our hand.

WM. RINEHART.  
DAVID RINEHART.

Witnesses:  
W. BAKEWELL,  
A. S. NICHOLSON.