

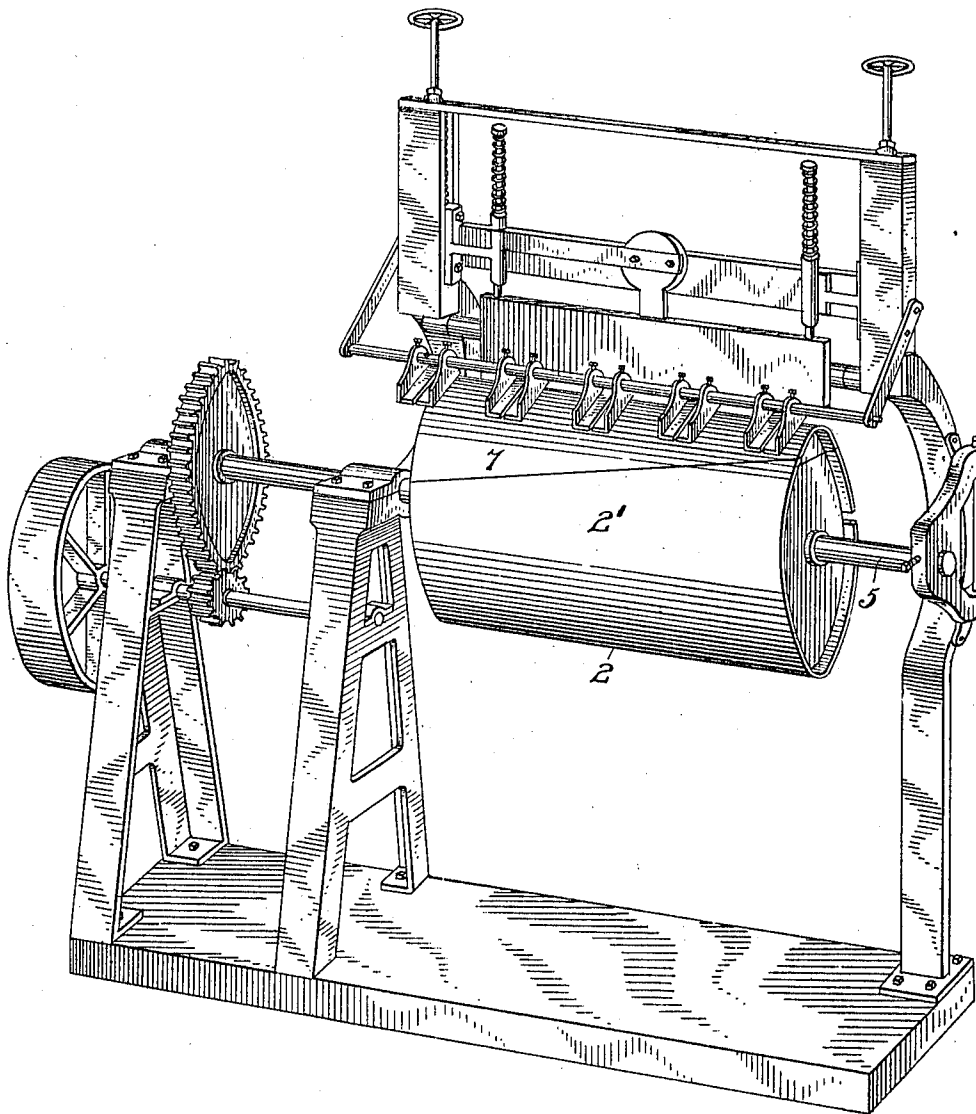
H. ROBERTS.
VENEER BARREL OR PACKAGE MACHINE.
APPLICATION FILED SEPT. 8, 1909.

955,904.

Patented Apr. 26, 1910.

2 SHEETS—SHEET 1.

Fig. 1.



witnesses:
J. C. Hoffman,
W. R. R. R.

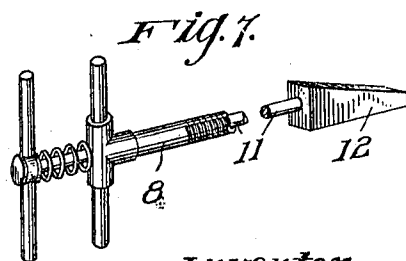
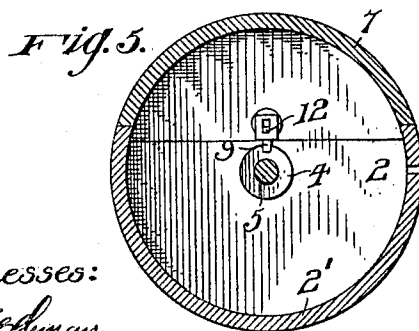
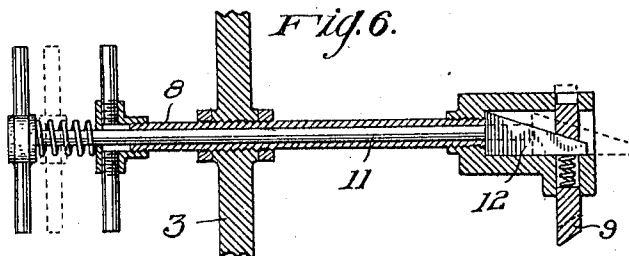
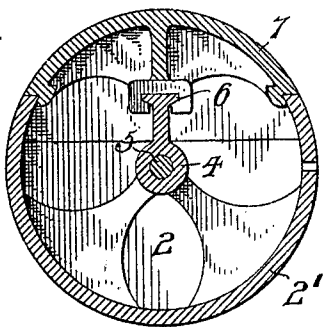
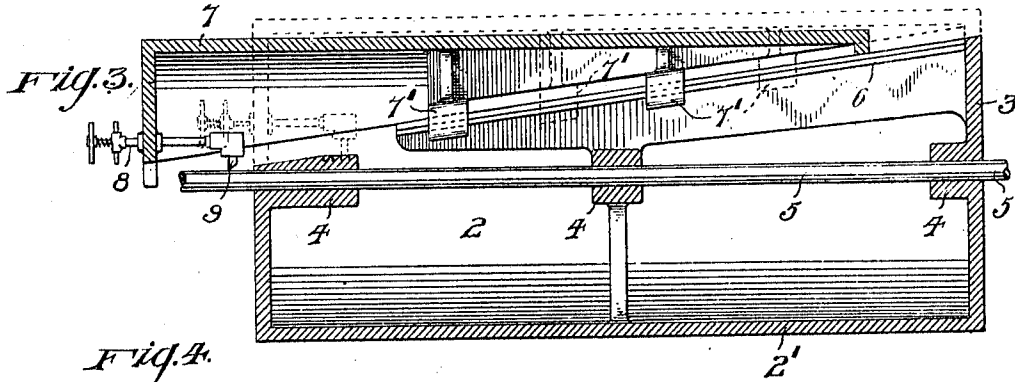
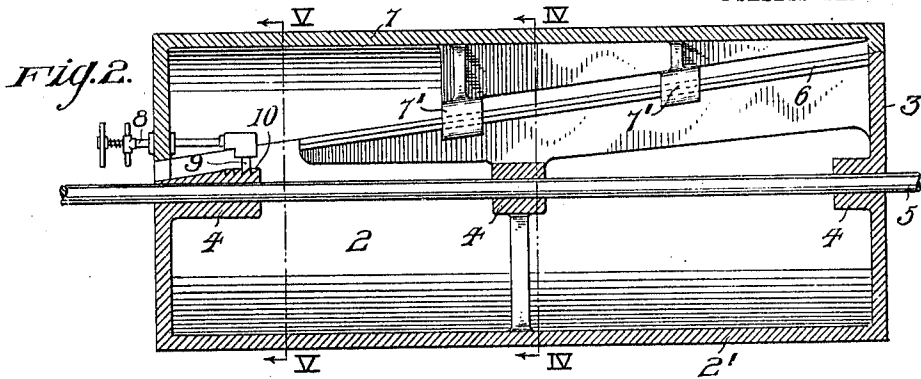
Inventor
Henry Roberts
by Bakewell & Keller
his Attorneys

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2 SHEETS—SHEET 2.



witnesses:
J. C. Hoffman,
M. B. Burt.

Inventor
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 his Attorneys

UNITED STATES PATENT OFFICE.

HENRY ROBERTS, OF PITTSBURG, PENNSYLVANIA.

VENEER BARREL OR PACKAGE MACHINE.

955,904.

Specification of Letters Patent. Patented Apr. 26, 1910.

Application filed September 8, 1909. Serial No. 516,741.

To all whom it may concern:

Be it known that I, HENRY ROBERTS, of Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented a certain new and useful Improvement in Veneer Barrel or Package Machines, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to veneer barrel or package machines.

In barrel or package machines of this character the barrel or package is caused to be formed around a drum or cylinder the face of which serves to clench the nails driven into the body in the application of the stiffening hoop thereto. The drum being cylindrical, the body of the barrel or package is not infrequently caused to be bound thereto in such a manner as to prevent its removal without cutting of the binding or stiffening hoops.

The object of my invention is to provide a veneer barrel or package forming drum or cylinder from which the body of the barrel or package when completed may be easily and readily withdrawn and it consists in the combination and arrangement of parts as will be hereinafter more fully set forth.

I will now describe my invention so that others skilled in the art to which it appertains may understand and construct the same, referring to the accompanying drawings, in which:

Figure 1 is a perspective view of a veneer barrel or package making machine and showing my improved drum applied thereto; Fig. 2 is a longitudinal vertical sectional view of the drum; Fig. 3 is a similar view showing the manner of contracting the drum for enabling the ready removal of the body of the barrel or package therefrom; Fig. 4 is a transverse sectional view on the line 4—4 of Fig. 2; Fig. 5 is a similar view taken on the line 5—5 of Fig. 2; Fig. 6 is a longitudinal vertical sectional view illustrating means for locking the shiftable segment of the forming cylinder or drum; and Fig. 7 is a perspective view of the same.

The body portion of the cylinder or drum is indicated by the numeral 2 and is provided with the usual end webs 3 having the mounting hubs 4 by means of which the drum is secured to the horizontal operating

shaft 5. This drum 2 is segmentally divided on a plane lying at an angle to the longitudinal axis thereof. The central track or guideway 6 carried by the segment 2' and disposed in a plane parallel with the plane of segmental division of the drum, enables the segment 7 through sliding engagement therewith by means of the depending track embracing shoes 7' to be longitudinally retracted from the inner face of the barrel or package as shown in Fig. 3. With the drum contracted in the manner shown in Fig. 3 frictional resistance between the contracting faces of the drum and barrel is absent, enabling the barrel or package body to be readily shifted therefrom. Shifting of the segment is accomplished by means of the suitable handle consisting of the tubular T arrangement 8.

Means for locking the segment 7 against shifting when it has been caused to be brought to closed position as shown in Fig. 2, comprise the spring pressed dog 9 carried by the segment 7 and which is adapted to engage with the ratchet face 10 of the fixed segment 2'. Any suitable means may be employed for tripping this dog when it is desired to shift the segment 7 to the position shown in Fig. 3. I have shown the shiftable roll 11 mounted within the tubular extension of the handle 8 and which by means of a suitable wedge-shape head 12 operatively engages with the dog 9.

Various changes will suggest themselves to the mechanic which would not be a departure from my invention. I do not, therefore, desire to limit myself to the precise arrangement shown.

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

1. A barrel-forming drum of the character described, comprising a cylinder having a segmental division on a plane angularly disposed with respect to the longitudinal axis thereof, and means whereby one of the segments may be longitudinally shifted with respect to the other in a direction parallel with the oblique plane of segmental division, as set forth.

2. A barrel-forming drum of the character described comprising a cylinder segmentally divided on a plane angularly disposed with respect to the longitudinal axis thereof; the segments slidably engaging

with one another on a plane parallel with the oblique plane of segmental division, as set forth.

3. A barrel-forming drum of the character
5 described comprising a cylinder segmentally divided on a plane angularly disposed with respect to the longitudinal axis thereof, and means whereby one of the segments may be
10 longitudinally shifted on the other in a direction parallel with the oblique plane of segmental division and in a line coincident with the longitudinal axis of the drum, as set forth.

4. A barrel-forming drum of the character
15 described comprising a cylinder segmentally divided on a plane angularly disposed with respect to the longitudinal axis thereof, means whereby one of the segments may be longitudinally shifted with respect to the
20 other in a direction parallel with the oblique plane of segmental division, and means for locking the segments together, as set forth.

5. A barrel-forming drum of the character
25 described comprising a cylinder segmentally divided on a plane angularly disposed with

respect to the longitudinal axis thereof; the segments slidably engaging with one another on a plane parallel with the oblique plane of segmental division, means for shifting one of the segments with respect to the
30 other, and means for locking the segments together, as set forth.

6. A barrel-forming drum of the character described comprising a cylinder segmentally divided on a plane angularly disposed with
35 respect to the longitudinal axis thereof, means whereby one of the segments may be longitudinally shifted with respect to the other in a direction parallel with the plane of segmental division and in a line coincident with the longitudinal axis of the cylinder, and means for locking the segments
40 together, as set forth.

In testimony whereof, I have hereunto set my hand.

HENRY ROBERTS.

Witnesses:

M. A. BARTH,

M. ARTHUR KELLER.