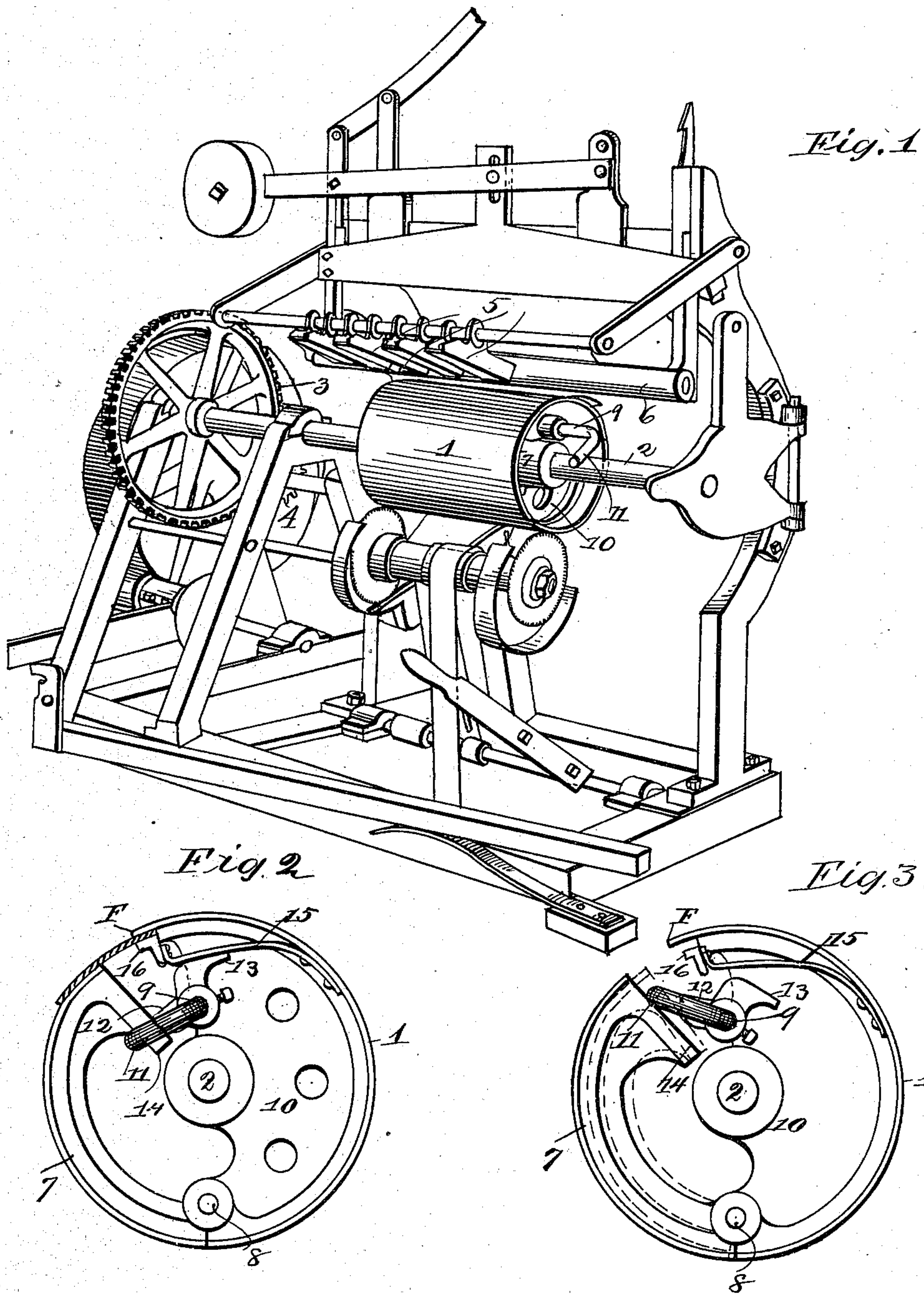


No. 736,173.

PATENTED AUG. 11, 1903.

B. W. TRUSCOTT.
GRIPPING DEVICE.
APPLICATION FILED MAR. 11, 1903.

NO MODEL.



Witnesses
Mellie Linn
Geo S. Cole

Inventor
Burt W. Truscott
by Wm. M. Monroe
Attorney

UNITED STATES PATENT OFFICE.

BERT WILLIARD TRUSCOTT, OF CLEVELAND, OHIO, ASSIGNOR, BY MESNE ASSIGNMENTS, TO VENEER BARREL MACHINE COMPANY, OF CHICAGO, ILLINOIS.

GRIPPING DEVICE.

SPECIFICATION forming part of Letters Patent No. 736,173, dated August 11, 1903.

Application filed March 11, 1903. Serial No. 147,275. (No model.)

To all whom it may concern:

Be it known that I, BERT WILLIARD TRUSCOTT, a citizen of the United States, and a resident of Cleveland, county of Cuyahoga, State of Ohio, have invented certain new and useful Improvements in Gripping Devices, of which I hereby declare the following to be a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in gripping devices for the collapsible coiling of a veneer-barrel machine; and the object of the device is to provide mechanism for grasping the edge of the piece of veneer simultaneously with the act of tightening the collapsible portion of the drum, adapted also to release the edge of the piece of veneer and simultaneously collapse the drum, so that the completed barrel can be removed.

My invention consists in the cam-shaped locking-dogs and intervening spring mechanism, as hereinafter described, shown in the accompanying drawings, and specifically pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of the machine in which the coiling-drum is employed. Fig. 2 is an end view of the collapsible drum. Fig. 3 is a similar view showing the parts of the drum relaxed and the gripping parts separated for the admission of the veneer.

In the views, 1 is the drum, mounted upon a rotating shaft 2, which is driven by means of gears 3 and 4.

5 5 are the guides for the barrel-hoops, and 6 is a roller employed to hold the ends of the hoops and press down the hoops upon the veneer as the drum rotates.

40 The other portions of the machine are such as are in use in machines of this class, except the devices shown in Figs. 2 and 3, where 7 is the collapsible side of the drum hinged at 8 to the main portion.

45 9 is a rod passing through the heads 10 of the drum and provided with a handle portion 11, by means of which it can be rotated. Upon this rod are seen the cam-shaped dogs 12 and 13. The dogs 12 are adapted to engage the inwardly-turned edges 14 of the collapsible portion of the drum and force out

this portion to complete the full cylinder of the drum, as seen in Fig. 2. The other dogs 13 engage springs 15, which are secured at their inner ends to the inner surface of the drum and are attached at their outer ends to the longitudinally-extending bar 16, which lies underneath the edge of the drum opposite the collapsible portion and at the farther edge of the opening reserved between the edges of the drum and collapsible portion for that purpose.

It will readily be seen that when the edge of the veneer is placed upon the bar 16 and the rod 9 is rotated the dogs 12 will press outward the collapsible portion of the drum and lock it rigidly, while the dogs 13 will raise the springs 15 and with them the bar 16 and pinch the veneer between the bar and the edge F of the drum. The hoops fed through the guides 5, therefore, are then fed to the drum and their ends nailed in place. The roller 6 is then brought down upon the drum and the hoops and veneer thereunder are compressed by the roller as the drum revolves.

A single piece of veneer can be coiled by means of this device, or narrow pieces can be fed underneath the hoops one at a time to form alternating layers until the complete barrel is formed and the hoops nailed into place. In this manner a barrel can be much more cheaply constructed than by employing large single pieces of veneer, since smaller pieces and remnants can be used.

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

1. The combination with a drum of a veneer-barrel machine mounted upon a rotating shaft and provided with a hinged portion separated from the drum on one edge by an open slot, of a rod inserted in the drum-supports, cam-shaped dogs on said rod adapted to engage and force back the collapsible portion, a gripping device for veneer in the edge of the drum adjacent to the open slot, substantially as described.

2. In combination with the collapsible drum of a veneer-barrel machine, a device for forcing back and locking the collapsible portion of the drum, a device for simultaneously compressing the edge of a piece of veneer against the inner face of the edge of the

- drum, consisting of a shaft mounted longitudinally in the drum, a cam-dog on said shaft adapted to engage the edge of the collapsible portion of the drum, springs within
5 the drum secured thereto, a bar mounted on the outer ends of said springs, underneath the edge of the drum, cam-dogs on said rod, adapted to raise said bar, and means for rotating said rod, substantially as described.
- 10 3. In combination with a collapsible drum of a veneer-barrel machine, means for gripping the edge of the veneer comprising a longitudinally-placed bar underneath the free edge of the drum, springs connecting said bar and drum, a longitudinal rod in said
15 drum, cam-dogs on said rod engaging said springs and a handle for said rod, substantially as described.

In testimony whereof I hereunto set my hand this 28th day of February, 1903.

BERT WILLIARD TRUSCOTT.

Witnesses:

WM. M. MONROE,
GEO. S. COLE.