

W. CHICHESTER & C. E. RUSSELL.

TAPE SEALING MACHINE.

APPLICATION FILED AUG. 3, 1910.

1,003,233.

Patented Sept. 12, 1911.

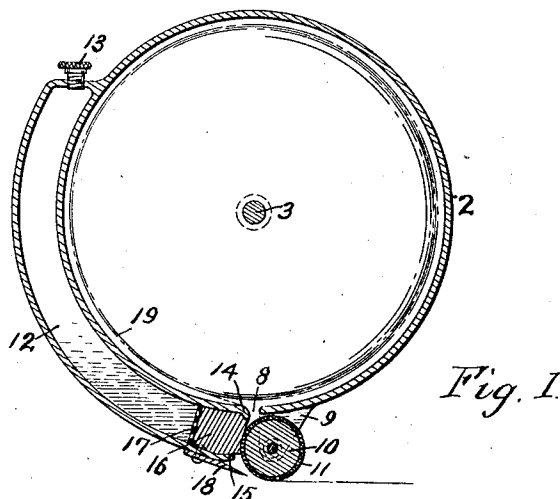


Fig. 1.

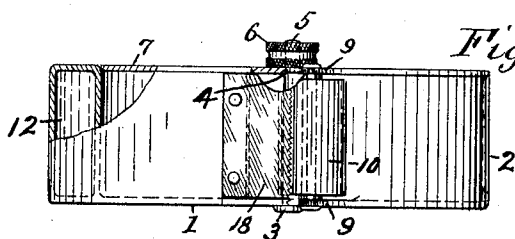


Fig. 2.

Witnesses:

Wm. F. Regan
Chas. Kieselbach

By

Inventors:
Warren Chichester.
Clarence B. Russell.
Attorney
Wm. Bridge

UNITED STATES PATENT OFFICE.

WARREN CHICHESTER, OF BROOKLYN, NEW YORK, AND CLARENCE E. RUSSELL, OF WEST ORANGE, NEW JERSEY; SAID RUSSELL ASSIGNOR TO SAID CHICHESTER.

TAPE-SEALING MACHINE.

1,003,233.

Specification of Letters Patent. Patented Sept. 12, 1911.

Application filed August 3, 1910. Serial No. 575,360.

To all whom it may concern:

Be it known that we, WARREN CHICHESTER and CLARENCE E. RUSSELL, citizens of the United States, and residents, respectively, of Brooklyn, county of Kings, State of New York, and West Orange, county of Essex, State of New Jersey, have invented certain new and useful Improvements in Tape-Sealing Machines, of which the following is a specification.

The invention relates to improvements in sealing-machines, in which an adhesively prepared tape is employed for securing the wrappers of packages and the like; and the object of the invention is to provide a holder or casing of simple construction, provided with means for supporting a roll of tape, means for moistening and applying the same to the parts to be secured, and means for severing the tape without waste.

Further objects include certain details of construction hereinafter set forth.

In describing the invention in detail, reference is had to the accompanying drawing, forming a part of this specification, wherein like characters of reference are used to designate like parts throughout the several views, and in which:

Figure 1 is a sectional view of the holder embodied in the present invention; and Fig. 2, an exterior view taken at right angles to Fig. 1, with the outer wall partially broken away.

The holder includes a rear wall 1, and a rim 2, to the former of which is fixed one end of a centrally-disposed tape-spindle 3, the opposite end of which is reduced in diameter to form a bearing shoulder 4, and a terminal clamping-screw 5, engaged by a thumb-nut 6, for detachably securing to the holder the cover-plate 7. Extending through the rim of the holder is a slot 8, and adjacent thereto, brackets 9 are provided for rotatably supporting the tape-feeding roller 10, having a tractive surface 11, of soft rubber. Also upon the rim of the holder is formed a water-chamber 12, having a detachable closure 13 for a water-feed passage. Inturned terminal edges 14 and 15 are provided for the water-chamber, adjacent the slot 8 and roller 10, for retaining in position the moistening-pad 16, which is preferably composed of felt, and further supported by the perforated plate 17, secured within the water-chamber.

A cutting-blade 18, having a serrated cutting edge, is secured to the wall of the water-chamber adjacent the roller 10, and by the manipulation of the holder is adapted to readily sever the tape, which is led from the roll 19, through the slot 8, and between the rolls 10 and moistening-pad 16, from which it may be applied to wrappers of packages or other articles, for securing their parts together.

In operation, the holder is grasped by one hand, and the tape is fed from the roller and applied to the parts to be united by passing the roller thereover with suitable pressure thereon, the tractive force of the rubber covered roller coöperating with the tension of the non-resistant wet surface of the moistening-pad to readily feed the tape, which after application may be cut off close to the pad without waste by slightly raising and turning the holder for the engagement of the fixed cutting blade with the adjacent portion of the tape, the opposite hand bearing upon the applied portion of the tape for resisting this cutting action and for affixing the terminal section of the severed tape.

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

1. A tape sealing machine comprising a holder provided with a slot, a tape-roll spindle in said holder, a tape-feeding roller journaled on said holder adjacent said slot, a water-chamber formed on said holder, a moistening-pad disposed in said water-chamber coöperating with said roller, and a cutting blade fixed on said water-chamber adjacent said pad.

2. A tape sealing machine comprising a holder provided with a slot, a tape-roll spindle in said holder, a detachable cover-plate for said holder, a tape-feeding roller journaled on said holder adjacent said slot, a water-chamber formed on said holder, a moistening-pad disposed in said water-chamber coöperating with said roller, and a cutting-blade fixed on said water-chamber adjacent said pad.

3. A tape sealing machine comprising a holder provided with a slot, a tape-roll spindle in said holder, a detachable cover-plate for said holder secured to said spindle, a tape-feeding roller journaled on said holder adjacent said slot, a water-chamber formed on said holder, a moistening-pad disposed

in said water-chamber cooperating with said roller, and a cutting-blade fixed on said water-chamber adjacent said pad.

4. A tape sealing machine comprising a holder provided with a slot, a tape-roll spindle in said holder, a tape-feeding roller journaled on said holder adjacent said slot, a water-chamber formed on said holder, a perforated plate secured within said water-chamber adjacent said roller, a moistening-pad disposed within said chamber between said plate and roller and cooperating with the latter, and a cutting-blade fixed on said water-chamber adjacent said pad.

5. A tape sealing machine comprising a holder provided with a slot, a tape-roll spindle in said holder, a water-chamber formed on said holder and provided with inturned terminal edges adjacent said roller, a perforated plate secured within said water-chamber adjacent said inturned terminal edges, a moistening-pad disposed within said

chamber between said plate and roller and cooperating with the latter, and a cutting-blade fixed on said water-chamber adjacent said pad.

6. A tape sealing machine comprising a holder provided with a slot, a tape-roll spindle in said holder, a tape-feeding roller journaled on said holder adjacent said slot, a water-chamber formed on said holder, a moistening-pad disposed in said water-chamber cooperating with said roller, and a serrated-edged cutting-blade fixed on said water chamber adjacent said pad.

Signed at New York city in the county of New York and State of New York this 30th day of July A. D. 1910.

WARREN CHICHESTER.
CLARENCE E. RUSSELL.

Witnesses:

WM. F. REGAN,
O. LEON KIESELBACH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."