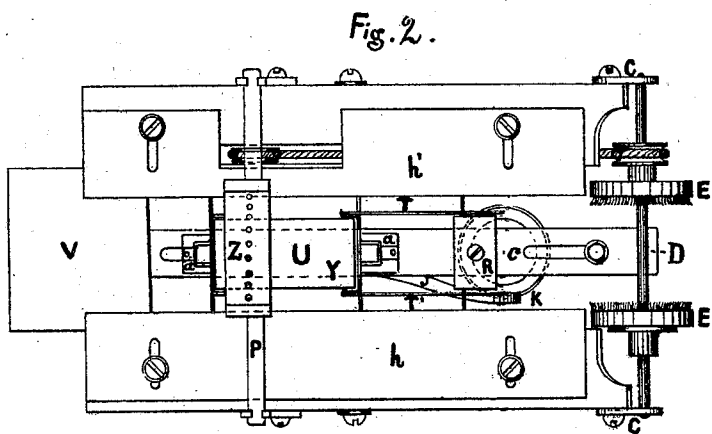
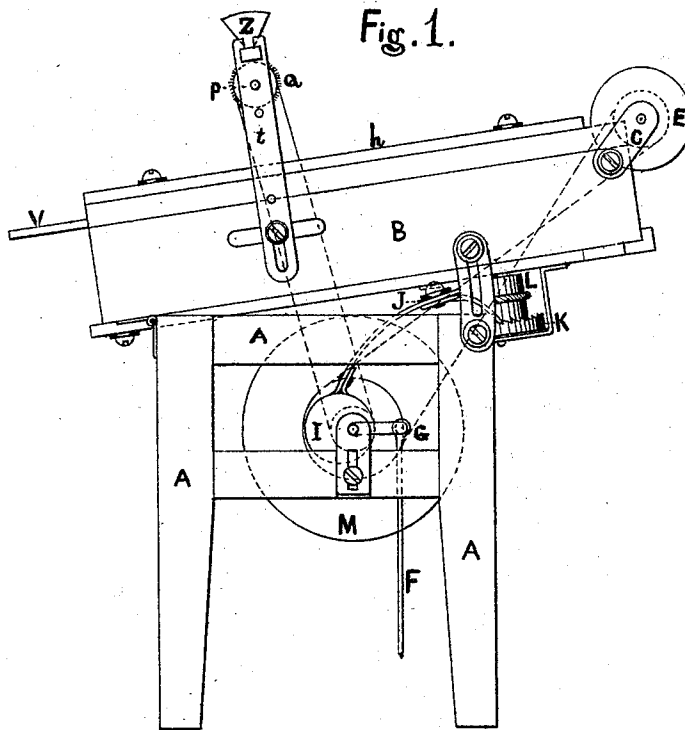


C. I. PITTMAN.
LABELING-MACHINE.

No. 171,952.

Patented Jan. 11, 1876.



WITNESSES.

H. S. Talbot
Edward Edmunds

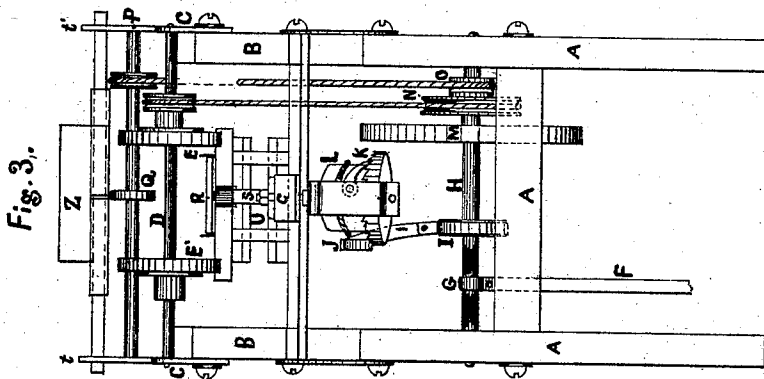
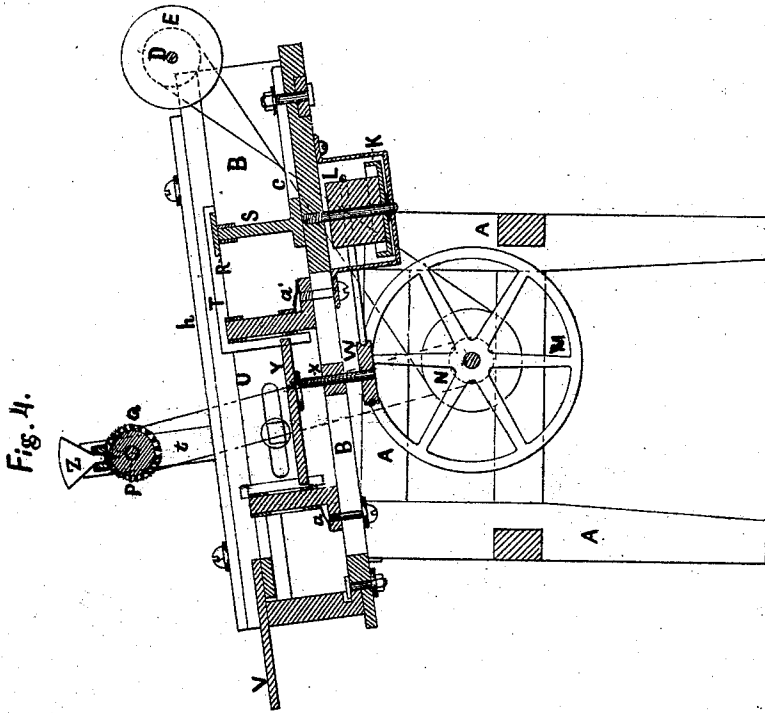
INVENTOR.

Chas. J. Pittman
per Sylvanus Walker
Atty

C. I. PITTMAN.
LABELING-MACHINE.

No. 171,952.

Patented Jan. 11, 1876.



WITNESSES.

H. S. Talbot
Edward Edmunds

INVENTOR.

Chas. I. Pittman
Per Sylvester Walker
Atty

UNITED STATES PATENT OFFICE.

CHARLES I. PITTMAN, OF ANNAPOLIS, NOVA SCOTIA, ASSIGNOR TO JONATHAN BIGELOW, OF BOSTON, MASSACHUSETTS, AND W. L. LOWELL, OF HALIFAX, NOVA SCOTIA.

IMPROVEMENT IN LABELING-MACHINES.

Specification forming part of Letters Patent No. **171,952**, dated January 11, 1876; application filed December 3, 1875.

To all whom it may concern:

Be it known that I, CHARLES I. PITTMAN, of Annapolis, in the Province of Nova Scotia, have invented certain new and useful Improvements in Labeling-Machines, of which the following is a specification:

Figure 1 is a side elevation of my invention. Fig. 2 is a top-plan view of the same. Fig. 3 is an end elevation. Fig. 4 is a vertical central section.

A is the frame of the machine, upon which the operative parts are mounted. B is an adjustable frame, which is raised at the front end by means of slotted uprights and set-screws, so as to form an incline upon which cans or round packages are to be placed preparatory to receiving the paste upon that part of their surface upon which it is desired to affix the label, as hereafter explained. C C are adjustable bearings connected to the front end of this adjustable frame, upon which the shaft D is mounted. This shaft is provided with two adjustable brushes, E E', which clean the ends of a can, as it is passed in between them by the operator, previous to the pasting operation, motion being communicated to the brushes and other operative parts by the means of a treadle connected to the pitman F, operating crank G upon shaft H, which revolves cam I, which imparts a reciprocating motion to the pawl J, which engages in the ratchet-wheel K, carrying the pulley L. Upon shaft H are also connected the balance-wheel M and pulleys N and O, from which belts pass to shaft D and shaft P, the latter being provided with a rotating brush, Q, for applying liquid paste to packages, when desired to use such. R is an adjustable paste-plate affixed to the top of standard S. Upon this paste-plate is affixed a tablet of adhesive matter cut the exact size of the label to be attached. I compose this tablet of three parts dextrine and one part gum-tragacanth, and sufficiently moist to allow a quantity to adhere to the can or package while being rolled or passed over the same, when it comes in contact with the arms T T', which support it near each end until it reaches the adjustable label-holder U, the end of which its weight depresses, allowing it to press upon

the top label and pick up the same from the pile placed in the holder U, and, as it rolls along, the label will adhere to its pasted surface. When the opposite end of holder U is likewise depressed it passes over the elastic rubber bed V, which finishes this operation.

Each revolution of the machine causes the pawl J to sufficiently revolve the ratchet-wheel K and pulley L, carrying a belt connecting with pulley W, which operates the screw-shaft X, thereby raising the adjustable bottom Y of the label box or holder U just sufficient to bring the next label up the proper height to be received by the next can or package. Springs a a' return the adjustable end pieces of the holder U to their former position after the can or package has passed over them. This label-holder U is made adjustable, so as to fit the length and width of any label used.

The standard S is adjustable in a slot in its supporting-bar C, so as to regulate the same and adjust the paste-plate R, so as to bring the line of pasted surface, when rolled or turned over, just to the end of the label to be secured.

When it is desirable to apply long labels to cans or other round packages having one end of label overlap the other, I employ the rotating shaft P, carrying paste-brush Q, which receives its paste in a semi-liquid state from the paste-trough Z, which is supported upon the tops of standards t t'. These standards are adjustable up or down and back and forth, the paste-trough Z being provided with a perforated bottom and the flow of paste regulated by adjustable slides in the bottom of the same, the brush Q being adjusted to the size of the can or package, which has passed over the paste-tablet affixed to the paste-plate R, and pasted a section of the can or package sufficient to enable it to pick up the first end of the label, which is to be overlapped by the other in its revolution. This end is brought directly under the paste-brush Q, which pastes just such portion as is to be covered by the end of the label overlapping as it continues its revolution, passing over the rubber cushion or bed V, thus completing the process. The adjustable guides h h' keep the can in a true position.

It will be understood that the shaft D and

brushes E E', when not required for cleaning and polishing the ends of cans, may be removed or let drop down, if desired, so as not to interfere with the operation of the machine; also, the paste apparatus, consisting of shaft P, brush Q, trough Z, &c., is to be removed when not used for pasting long or overlapping labels.

In applying labels to square packages the inclined frame B may be let down so as to be level. Then the packages are tipped over the paste-plate, and so on, bringing the pasted side or surface upon the top labels, (as before,) which are arranged with their outsides all downward in the label box or receptacle.

Having thus described my invention, what I claim is—

1. In combination with frame A, pitman F, crank G, and shaft D of a labeling-machine, the adjustable bearings C C and adjustable brushes E E, as constructed to clean or polish the ends of cans as they are fed along to the paste apparatus, substantially in the manner described, as and for the purposes set forth.

2. In a labeling-machine, substantially as described, the combination of the adjustable paste-plate R and standard S with arms T T, adjustable label-holder U, shaft H, pawl J, ratchet-wheel K, pulleys L and W, screw-shaft X, and bottom Y, all being constructed, combined, and arranged substantially in the manner described, as and for the purposes set forth.

3. In a labeling-machine, substantially as described, the combination of the adjustable tablet-paste plate R and standard S with the liquid-paste trough Z and adjustable rotary paste-brushes Q, arranged in such manner as to apply the tablet-paste to the can or package, and the liquid paste to the overlapping end of a long label, as and for the purposes set forth.

CHAS. I. PITTMAN.

Witnesses:

GEO. E. CORBITT,
H. A. WEST.