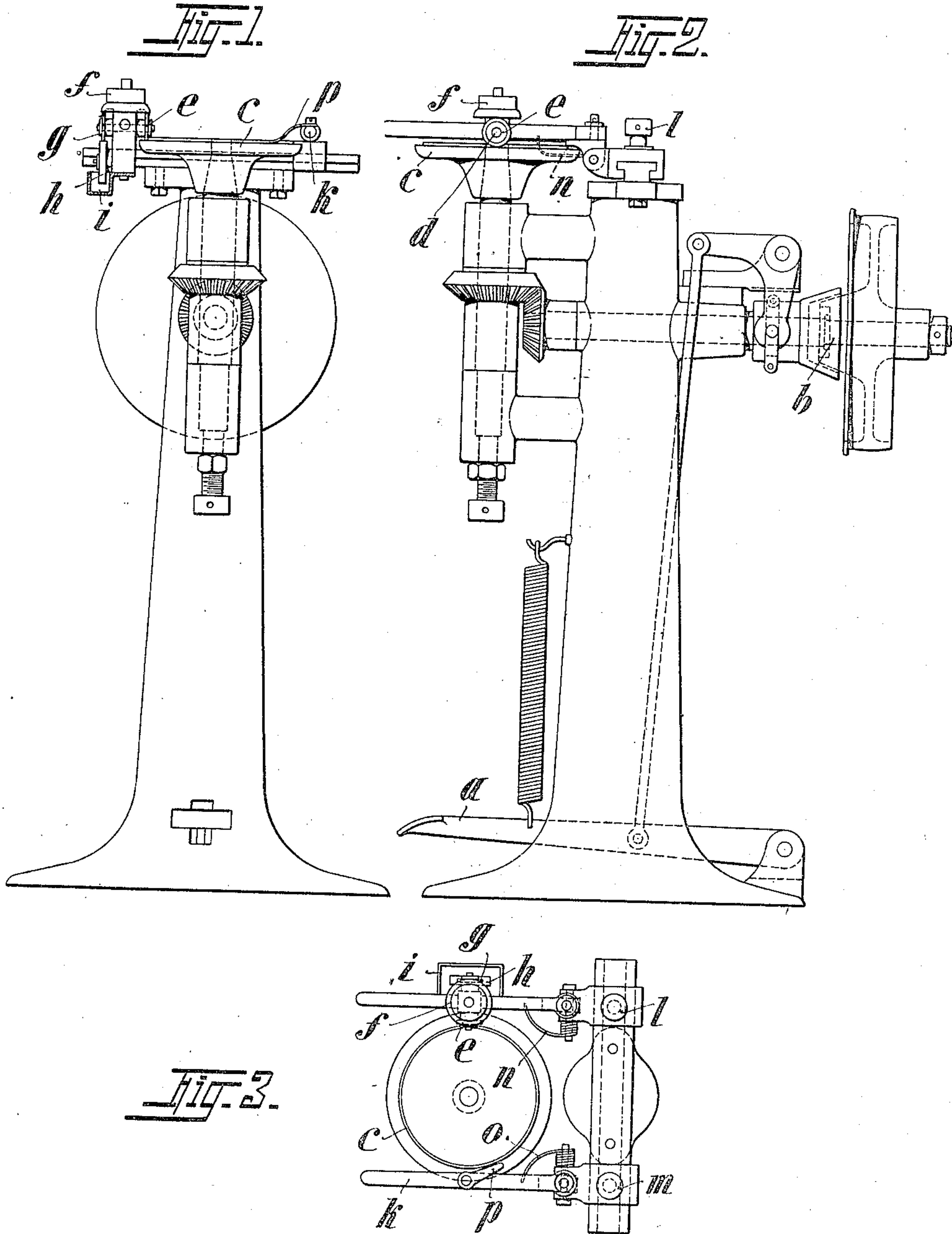


W. PLINATUS.
MACHINE FOR LINING THE COVERS OF METAL CANS.
APPLICATION FILED OCT. 24, 1907.

934,753.

Patented Sept. 21, 1909.



WITNESSES:

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UNITED STATES PATENT OFFICE

VLADIMIR PLINATUS, OF LEVALLOIS-PERRET, FRANCE.

MACHINE FOR LINING THE COVERS OF METAL CANS.

934,753.

Specification of Letters Patent. Patented Sept. 21, 1909.

Application filed October 24, 1907. Serial No. 399,035.

To all whom it may concern:

Be it known that I, VLADIMIR PLINATUS, chemist, a subject of the Emperor of Russia, residing at No. 92 Rue Danton, Levallois-Perret, France, have invented certain new and useful Improvements Relating to Machines for Lining the Covers of Metal Cans, of which the following is a full, clear, and exact description.

10 This invention relates to that type of machine which is adapted to apply material for making a tight joint to the rims of lids and bottoms of preserve tins which are secured to the bodies by seaming or other metal working operations or otherwise in which the adhesive material is applied to the rim of the rotating lids or tops by a train of rollers carried by a lever, one of said rollers dipping in a bath and another roller coming into contact with the edge of the lid or top.

20 The object of the present invention is to construct an improved machine for applying the jointing or adhesive material and which is capable at the same time of applying pressure to the joint or packing rings when such are used.

30 According to the present invention when a pedal lever is depressed it throws a clutch into action, thereby causing a horizontal table, on which the lid or bottom is placed, to be rotated.

The machine is further provided with a lever mounted at one end on a universal joint so that it may be moved by hand over the lid or bottom and may then be depressed so that one of the rollers carried by it comes into contact with the edge of the lid or bottom. This lever also carries the receptacle for the jointing or adhesive material.

40 The machine is further provided with another similarly mounted lever which carries a spring which may be brought over the rim of the lid or bottom on which a joint or packing ring has been placed and may then be depressed to press the said ring into the adhesive material which has already been applied to the lid or bottom.

The machine is represented in the accompanying drawings, in which—

50 Figure 1 is a front view the receptacle being shown in section. Fig. 2 is a side view with the lever *h* removed, and Fig. 3 a plan of the machine with the plate or table driving gear omitted.

55 By moving down the pedal *a* the friction clutch *b* is thrown into engagement and the

plate or table *c* is rotated by bevel wheel gear. The lid or bottom of a preserve tin is placed on the plate or table *c* and the hand lever *d* is moved toward the center of the plate and pressed down until the roller *e* mounted in the lever rests on the rim of the lid or bottom of the preserve tin and is also rotated by the latter. The rotation of the roller *e* is transmitted by the roller *f* to the rollers *g* and *h*. The roller *h* picks up jointing material from the vessel *i* carried by the lever *d*, the said jointing material passes over the rollers *g* and *f* onto the roller *e* and thence to the rim of the lid or bottom. When joint rings are used adhesive material is applied with the aid of the rollers.

After the roller *e* has applied sufficient adhesive material to the rim of the lid or bottom a joint ring is put on and the same is pressed down onto the rim of the lid or bottom which has been furnished with adhesive material, by pressing down the spring *p* by means of the lever *k*. The lever *d* with the vessel *i* and rollers *e*, *f*, *g* and *h* is returned to its original position after the hand has been removed, by the pressure of the spring *n*. The lever *k* is also under the pressure of a spring *o* by which it is caused to return to its original position after removing the hand.

What I claim as my invention, and desire to secure by patent is:

1. In a machine for applying jointing and adhesive material to the covers of tins or cans, the combination of a horizontal table, means for driving said table, a clutch lever for throwing said means into and out of operation, a second lever mounted at one end upon a universal joint and carrying a receptacle for such material, and a train of rollers for taking such material from said receptacle and applying it to said covers.

2. In a machine for applying jointing or adhesive material to the covers of tins or cans, the combination of a rotating table, a lever mounted upon a universal joint, a receptacle for carrying such material and rollers for taking said material from said receptacle and applying it to said covers.

3. In a machine for applying jointing or adhesive material to the covers of tins or cans, the combination of a rotating table, a lever mounted upon a universal joint, a receptacle for said material carried by the lever, a vertically disposed roller adapted to apply said material to said cover, a horizontal roller applying material to said ver-

tical roller, and a third roller for taking said material from said receptacle and applying it to said horizontal roller.

4. In a machine for applying packing material to the covers of metal tins or cans, the combination of a lever mounted upon a universal joint and carrying a spring, said spring being adapted to press against the packing on said cover.
5. In a machine for applying jointing or adhesive material to the covers of tins or cans, the combination of a horizontal rotatable table, a lever mounted upon a universal

joint and carrying a receptacle for such material, rollers for taking up said material and applying it to said cover, and a second lever mounted upon a universal joint and carrying a spring adapted to press against a packing ring mounted upon said cover.

In witness whereof, I have hereunto signed my name in the presence of two subscribing witnesses.

WLADIMIR PLINATUS.

Witnesses:

DEAN M. MASON,
HALVA HAHN.