

No. 622,814.

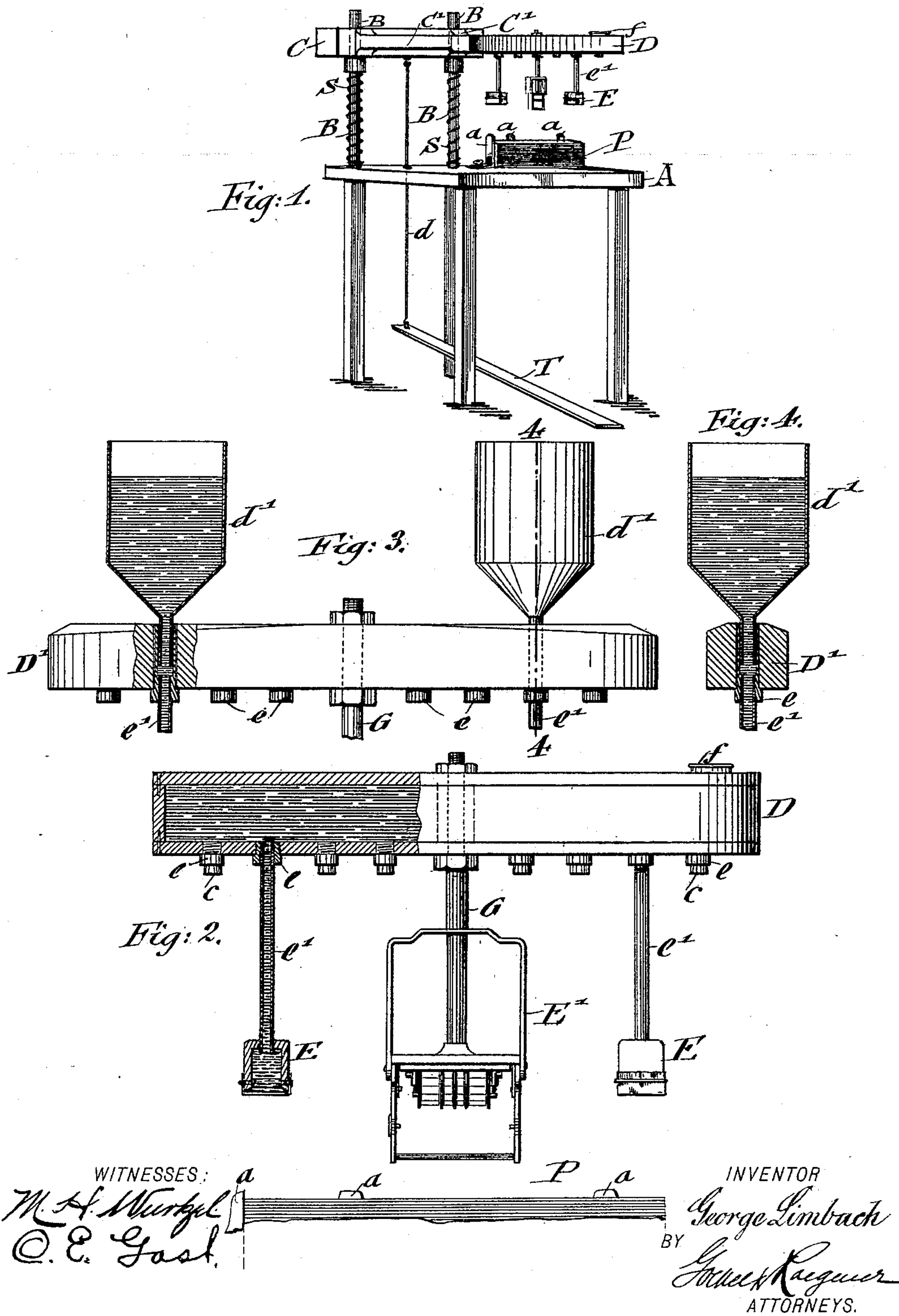
Patented Apr. 11, 1899.

G. LIMBACH.

MACHINE FOR PASTING AND DATING LABELS.

(Application filed Jan. 3, 1899.)

(No Model.)



UNITED STATES PATENT OFFICE.

GEORGE LIMBACH, OF MOUNT VERNON, NEW YORK.

MACHINE FOR PASTING AND DATING LABELS.

SPECIFICATION forming part of Letters Patent No. 622,814, dated April 11, 1899.

Application filed January 3, 1899. Serial No. 700,971. (No model.)

To all whom it may concern:

Be it known that I, GEORGE LIMBACH, a citizen of the Empire of Germany, residing in Mount Vernon, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Machines for Pasting and Dating Labels, of which the following is a specification.

This invention relates to certain improvements in machines for pasting and dating labels by which the smaller bottlers of beer and other liquors, who have no need of a power labeling-machine, can label their bottles with great facility and at a considerable saving of time as compared with the ordinary practice of labeling by hand and simultaneously while applying the paste to the labels also stamp them with the date of labeling.

The invention consists in the combination, with a suitable label-support, of a paste-reservoir provided with a number of openings, tubular stems in some of said openings and adapted to be inserted into any of the same, pasting-shoes attached to said stems, means for closing the unused openings of the paste-reservoir, and means for moving said pasting-shoes into contact with a label on said label-support; and the invention consists, further, in the arrangement, with the pasting-shoes, of a stamp for stamping the labels, and, lastly, in certain details of construction and combinations of parts to be more fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1 represents a perspective view of my improved machine for pasting and dating labels. Fig. 2 is an enlarged front elevation of the paste-reservoir, shoes, and dating-stamp, partly in vertical section. Fig. 3 is a similar view of a modified construction of paste-reservoir, and Fig. 4 is a vertical transverse section on line 4 4, Fig. 3.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents the table of my improved machine for pasting and dating labels. At the front part of the table a pile of labels P is placed with the face downward, said pile being held in position by means of suitable gages *a*. At the rear part of the table are arranged upright standards B, upon which is guided a transverse bar C, to

which are attached forwardly-extending horizontal arms C', to the front ends of which is attached a paste-reservoir D. The guide-bar C is connected with a foot-operated treadle T by a rod *d*, which is pivotally applied to the treadle and to an eye at the under side of the guide-bar C. Helical springs S are applied to the upright standards C, said springs serving to counterbalance the weight of the guide-bar and paste-reservoir and return the same into raised position after they have been lowered by the depression of the treadle.

The paste-reservoir D is provided with a suitable funnel *f* for supplying paste to the same and at the under side with a number of supply-openings provided with nipples *e*, in which are screwed the tubular shanks or stems *e'* of hollow pasting-shoes E, which are closed at their lower ends by a web of muslin or other suitable material that permits a sufficient quantity of paste to pass through, so as to impart the same to the edge of the label. The paste-transmitting shoes E are so arranged that paste is applied only along the edges of the label, the middle portion of the same not being coated. A number of nipples *e* are arranged in the paste-reservoir, so as to permit the supplying of paste to labels of different sizes by inserting the shoe-stems into the proper nipples. The nipples when not in use may be closed by corks *c*.

In place of the reservoir shown in Fig. 2 a simple perforated block may be used, as shown in Fig. 3, to which the tubular stems of the shoes are attached. In this case the paste is supplied to each shoe from a separate funnel-shaped receptacle *d'*, the tubular discharge-spout of which is placed in that opening in the block D' in the lower part of which a shoe-stem is located. With this form of reservoir it is not necessary to cork the unemployed nipples.

Between the shoe-stems and preferably at the middle of the reservoir D or block D' is applied a vertical stem G, which carries at its lower end a dating-stamp of any suitable construction, preferably one of the well-known collapsible form in which the printing-plate is reversible, and is applied to an ink-pad arranged above the same when in its normal position of rest, but reversed so as to be placed in position facing downward, so as to

permit the printing of the stamp when pressure in downward direction is exerted thereon.

My improved machine for pasting and dating labels is operated as follows: The treadle
 5 is depressed by the foot, so that simultaneously therewith the paste-reservoir, with its shoes and dating-stamp, is lowered. The shoes on coming in contact with the edges of the label supply a layer of paste thereto, while
 16 the dating-stamp prints the date on the central rear part of the label. As shown in the drawings, the lower end of the stamp is normally at a less distance from the labels than the distance of the shoes from the same. The
 15 lower portion of the dating-stamp descends relatively to the shoes as soon as the pressure on the treadle is released and the cushion-springs raise the guide-bar, paste-reservoir, and shoes. The corners or edges of the label
 26 are, however, raised by the shoes, and the hand of the operator is then inserted beneath the label, so that the label may be removed from the shoes by the hand and applied to the bottle by the same. The next bottle is
 25 then taken hold of with the left hand, the treadle depressed, the next label supplied with paste and removed from the shoes by the right hand and applied to the bottle, and so on. In this manner the application of the
 30 labels is accomplished quickly and by a comparatively cheap and simple apparatus, so that a larger number of bottles can be labeled in a given time than by the hand process and without the expense of a power labeling-ma-
 35 chine.

By dating the labels the bottler is enabled to readily ascertain the date at which a certain beer or other liquid is bottled, which is of advantage, especially in the summer sea-
 40 son, in which the lager-beer or other fermented liquors have to be sent out to be consumed within a given time.

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

1. The combination, with a suitable label-support, of a paste-reservoir provided with a number of openings, tubular stems in some of said openings and adapted to be inserted into any of the same, pasting-shoes attached
 50 to said stems, means for closing the unused openings of the paste-reservoir, and means for moving said pasting-shoes into contact with a label on said label-support, substantially as set forth.

2. The combination, with a suitable label-support, of a number of tubular stems, pasting-shoes attached thereto, means for supporting said stems and shoes adjacent to said label-support, means for supplying paste to
 60 said stems, a stamp carried by said supporting means, and means for actuating said supporting means for moving the pasting-shoes and stamp into contact with a label on said label-support, substantially as set forth.

3. The combination, with a suitable label-support, of pasting-shoes, means for supporting the same out of contact with a label on said label-support, means for supplying paste to said shoes, a stamp, means for supporting
 70 the same out of contact with the label, and means for simultaneously moving said pasting-shoes and stamp into contact with said label, substantially as set forth.

4. The combination, with a suitable label-support, of pasting-shoes, means for supporting the same adjacent to a label on said label-support, a collapsible stamp, means for supporting the same with one end at a less distance than the shoes from said label, and
 80 means for moving said shoes and stamp into contact with said label, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

GEORGE LIMBACH.

Witnesses:

PAUL GOEPEL,
 M. H. WURTZEL.