

(No Model.)

J. STITES.
LABEL MANIPULATING DEVICE.

No. 531,812.

Patented Jan. 1, 1895.

Fig. 1.

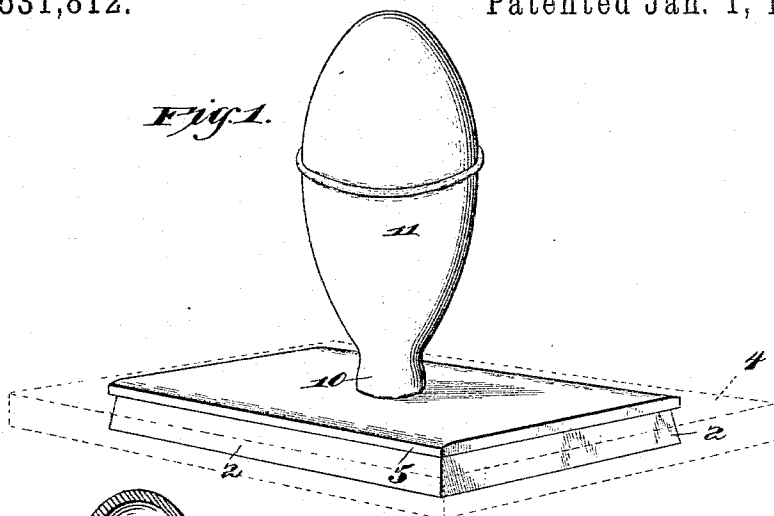


Fig. 2.

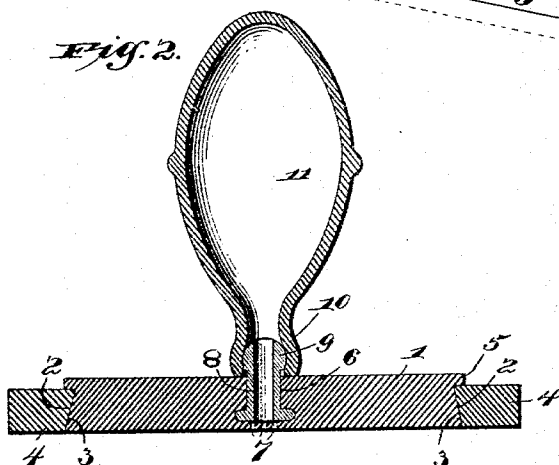


Fig. 3.

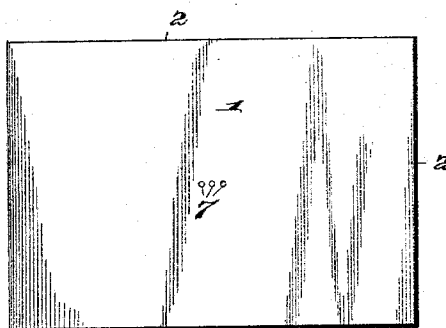


Fig. 4.

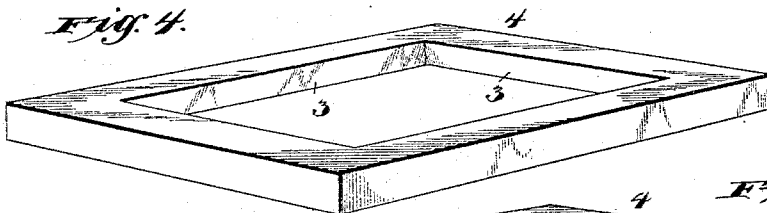
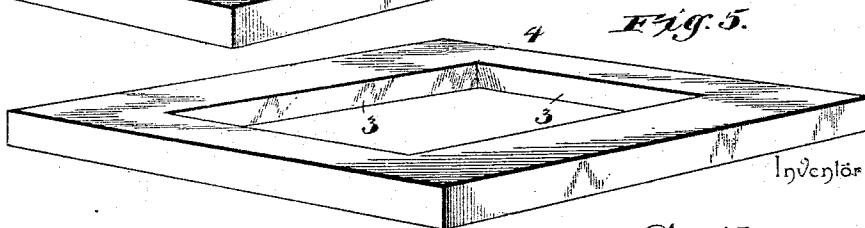


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN STITES, OF SALEM, OREGON.

LABEL-MANIPULATING DEVICE.

SPECIFICATION forming part of Letters Patent No. 531,812, dated January 1, 1895.

Application filed July 10, 1894. Serial No. 517,144. (No model.)

To all whom it may concern:

Be it known that I, JOHN STITES, a citizen of the United States, residing at Salem, in the county of Marion and State of Oregon, have
5 invented a new and useful Label-Manipulating Device, of which the following is a specification.

The invention relates to an appliance for holding labels while they are being covered
10 with mucilage or other adhesive compound, and for permitting them to be attached to the device with which they are used.

In the accompanying drawings: Figure 1 represents a perspective view of my invention;
15 Fig. 2, a longitudinal section thereof; Fig. 3, a bottom plan view; Fig. 4, a detail perspective of one of the removable base portions; Fig. 5, a similar view of a different size base plate or portion.

20 The reference numeral 1 indicates the base portion of my improved device, and this consists of a block of molded rubber provided with the beveled edges 2, which extend around its square sides and which are adapted to co-
25 operate with the oppositely-beveled edges 3 of the removable plates 4. The plates 4 will vary in size and are adapted to be substituted one for another, to the end that the plane bottom portion of the base 1 may be enlarged or
30 diminished according to the size of label manipulated, as will be explained more fully hereinafter.

The beveled edges 2 of the base 1 are formed adjacent to the shoulders 5, which extend
35 around said edges and which are adapted to have the plates 4 bear thereagainst. By these means the plates 4 are securely held in place; and the plates are affixed and detached from the edges 2 by springing them over the rubber composing the two parts. This operation
40 is possible, owing to the resiliency with which the parts are endowed.

Formed in the base 1, and extending vertically therein, is the opening 6, which has its
45 lower end terminating a short distance above the bottom side of the base 1 and communicating with the three smaller openings 7, which pass through to the under side of the base. Located in the opening 6 is the tube
50 8, which projects above the base and is formed with an enlargement 9 thereon. The enlargement 9 is adapted to pass into the neck 10 of

the bulb 11, such neck being arranged to contract upon the enlargement 9 and thereby hold the bulb in place. By these means the
55 bulb 11 is connected to the base and made to deliver its blast into the opening 6, from whence it passes out the openings 7.

It will be understood that the plates 4 are constructed of different sizes, so that the bot-
60 tom portion of the device may be made of a size which will suit the size of label manipulated.

In the use of my invention the plate 4, which is best adapted to the size of the label, is
65 placed upon the beveled edges 2 of the base portion 1, after which the bulb 11 is compressed so as to exclude the air therefrom, and the base of the device pressed into engagement with the face of the label. The
70 bulb should now be released, whereupon the pressure of the atmosphere, owing to the vacuum in the bulb and to the spring tendency which the bulb has to expand, will cause the label to remain in engagement with the
75 base, thus permitting its back to be covered with the mucilage or whatever adhesive substance is used. After the mucilage has been applied, the label may be pasted or pressed into engagement with the bottle or other ar-
80 ticle upon which the label is to be affixed, whereupon the mucilage on the label will adhere. The withdrawal of the device is next in order, and this may be done since the force of the mucilage will be sufficient to overcome
85 the strength of the bulb. By forming the base portion 1 and the plates 4 of molded soft india rubber, they may be bent to conform to the shape of the object to which the label is to be affixed. Thus, if the label is affixed
90 to a bottle having a round surface, the base may be bent to conform thereto so as to press the label into engagement with the bottle at every point and insure affixing the label to the bottle.

95 I have shown my invention embodied in specific details of construction, and regard these as best adapted to the practice of my invention. It is obvious, however, that my invention is subject to various changes in the
100 size and proportion of its parts, which may be resorted to without departing from the spirit and scope of my invention. Therefore I do not propose to limit myself to the precise con-

struction herein shown, but consider myself entitled to all such variations as come within the scope of my claims.

Having described my invention, I claim—

5 1. A device for manipulating labels, and comprising in its structure a resilient bulb provided at one end with an opening sur-
10 rounded by a resilient neck, a soft rubber base plate provided with a passage extend-
ing through it, and a metallic tube provided at one end with a flange which is buried in
the rubber of the base plate, whereby the tube is held in place, the said tube being in com-
15 munication with the passage of the base plate and having its remaining end extending above
the base plate and provided with an enlarge-
ment or head over which the resilient neck
of the bulb is sprung and to which the bulb
is permanently secured through the medium
20 of said resilient neck, substantially as de-
scribed.

2. A device for manipulating labels, and comprising in its structure a bulb, a soft rub-
ber base plate having an opening or passage
25 therein with which the bulb communicates,
the bulb being secured to the base plate, and
an auxiliary plate provided with a central
opening capable of receiving the base plate,

the auxiliary plate being removably secured
to the base plate and forming a continuation
30 thereof by springing said auxiliary plate on
the edges of the base plate, substantially as
described.

3. A device for manipulating labels, and comprising in its structure a bulb, a base-
35 plate to which the bulb is secured, the base
plate having therein a passage communicat-
ing with the interior of the bulb, and the
edges of the base plate being formed with the
shoulders 5 at their upper portions and with
40 the beveled portions 2 below said shoulders,
and an auxiliary plate 4 having its central
portion formed with an opening conforming
to the shape of the base plate and having the
beveled edges 3 disposed oppositely to the
45 edges 2, the said auxiliary plate being sprung
over the beveled edges of the base plate and
held in place by the shoulders 5 of said base
plate, substantially as described.

In testimony that I claim the foregoing as
50 my own I have hereto affixed my signature
in the presence of two witnesses.

JOHN STITES.

Witnesses:

W. T. WILLIAMSON,
ROSCOE SANDERSON.