

S. R. LIBBEY.

CLAMP.

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1,351,772.

Patented Sept. 7, 1920.

Fig. 1.

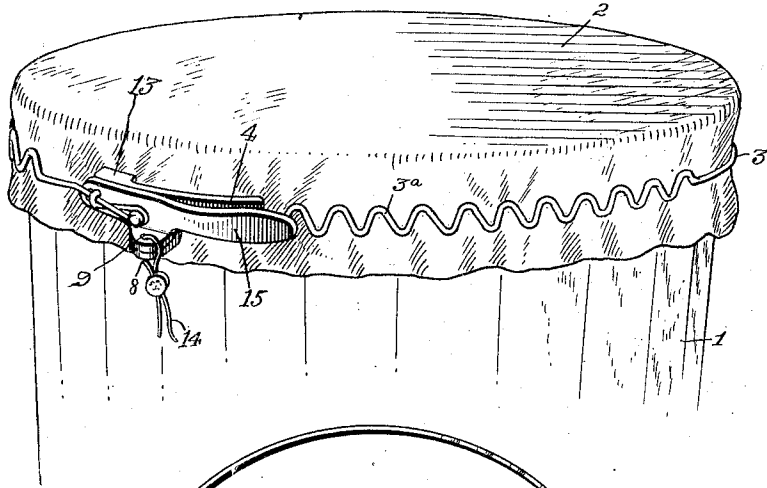


Fig. 2.

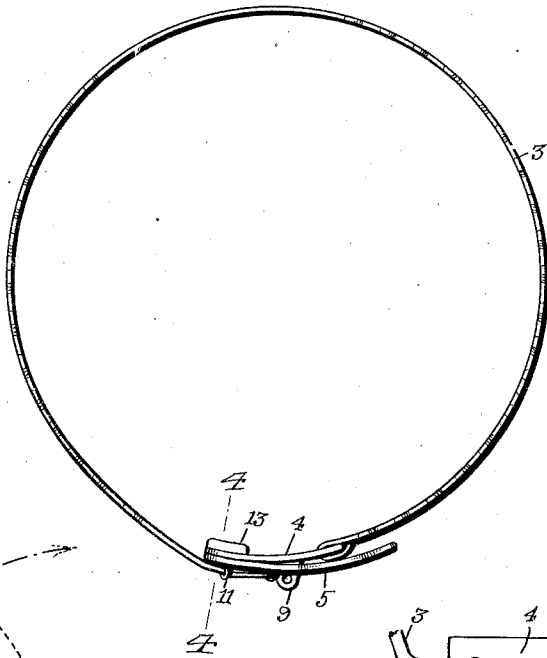


Fig. 4.

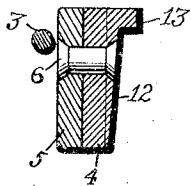


Fig. 5.

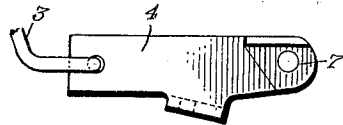
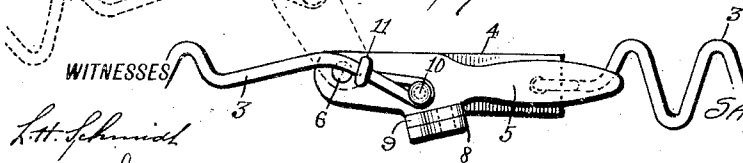


Fig. 3.



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CLAMP.

1,351,772.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, SAMUEL REUBEN LIBBEY, a citizen of the United States, and a resident of Brady, in the county of Pondera and State of Montana, have invented certain new and useful Improvements in Clamps, of which the following is a specification.

My invention is an improvement in clamps, and the invention has for its object to provide a clamp especially adapted for use with tubs to clamp a cover of flexible material on the tub, without the use of nails, staples or the like.

In the drawings:

Figure 1 is a perspective view of the top of a tub provided with the improved clamp; Fig. 2 is a plan view of the clamp detached;

Fig. 3 is a front view of the clamp;

Fig. 4 is a section on the line 4—4 of Fig. 2;

Fig. 5 is a front view of the inner section of the clamp.

The present embodiment of the invention is shown in connection with a tub 1, such as are used for holding ice cream and the like, the tub having a cover 2 of flexible material, and the clamp is clamped about the top of the tub, with the edge of the cloth between the clamp and the tub.

The improved clamp comprises a wire 3 which is adapted to encircle the top of the tub outside of the cloth, and the ends of the wire are connected with clamping members 4 and 5, respectively, which are pivoted together as indicated at 6, to swing into and out of clamping position.

One of the clamp members 4 has a wire 3 connected therewith at the opposite end from the pivotal connection with the other member, the wire passing through an opening 7 in the said end. This member 4 is also provided at its lower edge with an outwardly extending perforated lug 8 which limits the downward movement of the member 5 with respect to the said member 4; and the member 5 has a similar lug 9 which is superposed upon the lug 8 when the members are in clamping position.

The other end of the wire 3 is connected to a pin 10 on the member 5, just above the lug 9, which is nearer the pivotal connection of the member 5 than the other end. The wire is bent around the pin and then around itself, as indicated at 11.

Referring to Fig. 3, it will be noticed that the member 5 at its free end extends beyond the member 4, to provide a handle for convenient engagement by the user. At the end adjacent to the pivotal connection the member 4 has a plate 12 secured thereto by the rivet 6 which forms the pivotal connection, and this plate, as shown, is beveled downwardly, being of less thickness at its lower edge. At its upper edge it has an outstanding rib 13, and this rib is adapted to engage the tub to prevent upward slipping of the clamp and to firmly clamp the cover to the tub.

In practice, the wire 3 is corrugated or provided with zigzag portions, indicated at 3^a, for providing resiliency, that is, expansion and contraction.

In use, to place the clamp the cover is placed on the top of the tub, the wire 3 is arranged about the cover, with the clamp in the dotted line position of Fig. 3, that is, the member 5 is swung upwardly away from the member 4 on the pivotal connection 6. This increases the length of the wire and after the wire is properly placed the member 5 is swung down into alinement with the member 4, thus tightening the wire about the tub. When the lugs 8 and 9 are superposed a seal, indicated at 14, may be inserted through the opening, to prevent unauthorized tampering with the clamp without detection.

I claim:

1. A fastener for fastening flexible covers on tubs, comprising a wire adapted to embrace the cover on the tub and a clamp for connecting the ends of the wire, said clamp consisting of two members pivoted together at one end, one end of the wire being connected to one of the members at the other end, and the other member having at the said other end a grip or handle, the other end of the wire being connected to said other member intermediate the ends thereof, and means for limiting the closing movement of the members to a position where they are superposed, said means comprising perforated lugs adapted for abutting and to receive a seal, the first named member having a rib extending toward the tub for engaging the same to prevent upward slipping movement of the clamp.

2. A fastener for fastening flexible covers on tubs, comprising a wire adapted to embrace the cover on the tub and a clamp for

connecting the ends of the wire, said clamp consisting of two members pivoted together at one end, one end of the wire being connected to one of the members at the other
5 end, and the other member having at the said other end a grip or handle, the other end of the wire being connected to said other member intermediate the ends thereof, and means for limiting the closing movement of the members to a position where
10 they are superposed, the first named member having at its upper edge and at the pivotal connection an inwardly extending rib for engaging the tub to prevent upward
15 movement of the clamp.

3. A fastener for fastening flexible covers on tubs, comprising a wire adapted to embrace the cover on the tub and a clamp
for connecting the ends of the wire, said
20 clamp consisting of two members pivoted together at one end, one end of the wire being connected to one of the members at the other end, and the other member having at the said other end a grip or handle, the other

end of the wire being connected to said other
25 member intermediate the ends thereof, and means for limiting the closing movement of the members to a position where they are superposed, said means comprising perforated lugs adapted for abutting and to receive a seal.
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4. A fastener for fastening flexible covers on tubs, comprising a wire adapted to embrace the cover on the tub, and a clamp
for connecting the ends of the wire, said
35 clamp consisting of two members pivoted together at one end to swing with respect to each other in parallel planes, one end of the wire being connected to one of the members at the other end, and the other member
40 having at the said other end a grip or handle, the other end of the wire being connected to said other member intermediate the ends thereof, and means for limiting the
closing movement of the members to a position where they are superposed.
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