No. 893,926. PATENTED JULY 21, 1908.

F. H. HOTCHKISS.

SOAP TRUCK CLAMP.

APPLICATION FILED DEC. 5, 1904. RENEWED MAR. 9, 1908.

Fig. 1.

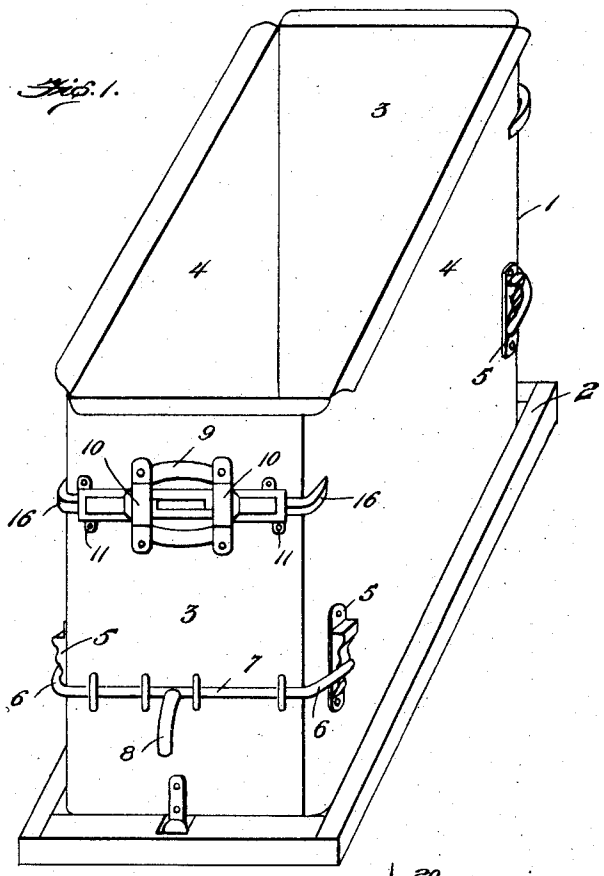
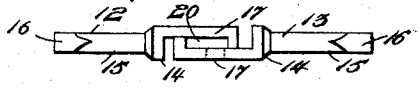


Fig. 2.



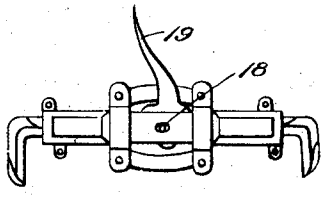


Fig. 3.

Fig. 5.

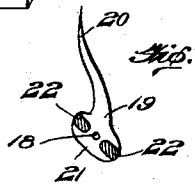


Fig. 5.a



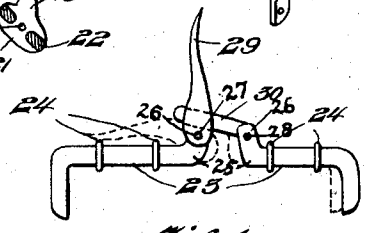


Fig. 4.

WITNESSES:

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SOAP-TRUCK CLAMP.

No. 893,926. Specification of Letters Patent. Patented July 21, 1908.

Application filed December 5, 1904, Serial No. 235,597. Renewed March 9, 1908. Serial No. 420,055.

To all whom it may concern:

Be it known that I, FRANK H. HOTCHKISS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Soap-Truck Clamp, of which the following is a specification.

My invention relates to improvements in soap-truck clamps, in which two opposing jaws operate in conjunction with a double cam lever; and the objects of my improvements are to provide soap-truck clamps that will, first, close and open readily, second, stay closed without slipping or loosening until intentionally opened, third, adjust themselves to the shrinkage and expansion of the soap-trucks on which they are placed; fourth, wear a long time and remain in good condition; fifth, neither strain nor injure nor break the wood ends of the soap-truck to which they are attached. I attain these objects by the mechanism illustrated in the accompanying drawing in which:—

Figure 1 is a perspective view of a soap truck with my invention applied thereto. Figs. 2, 3, 4, 5, and 5[a] are detail views of various members of the clamp.

Referring to the drawings:—the numeral 1 designates a soap truck which is mounted in the usual base 2 and consists of the end walls 3 and side walls 4, mounted upon the walls 4 near the ends thereof are the corrugated wedge plates 5, the corrugations of which are adapted to be engaged by the terminals 6 of the pivotally mounted iron clamps 7 which are provided with the operating handle 8.

In order to hold the upper ends of the walls 4 in close contact with the ends 3, I secure to the outer face of the walls 3, the plate 9 which is provided with the enlarged eyes or loops 10 and the reduced eyes or loops 11 so that the oppositely operating clamping jaws 12 and 13 may have their enlarged portions 14 slide within the eyes 10 while their reduced portions 15 slide within the eyes 11 and are guided so that the hooks or terminals 16 will engage the ends of the walls 4. Each one of the members 12 and 13 are of similar construction, the inner portions, however, being arranged oppositely so that they will work conjointly to be projected or be withdrawn simultaneously, the said inner ends consisting of the L shaped member 17 so that when assembled they will fit as clearly shown in Fig. 3, a pin 18 properly journaling the cam lever 19 in the space 20 formed by the inner ends of the members 12 and 13. By this means it can be seen that by operating the member 20 the cam 21 will be moved so as to project or withdraw the terminals of the members 12 and 13 so as to engage or disengage the ends of the walls 4, and in order to properly adjust the throw, I mount the properly arranged adjusting screw 22 in the ends of the cam surface, as clearly shown in Fig. 3.

In Fig. 4 of the drawings I have shown a modified form of clamping jaws in which the members 23 are adapted to slide through staples 24 secured in any desired manner to the walls 3 of the truck, the said members being provided with the angle arms or inner terminals 25 which are slotted as at 26 for the reception of the pivots 27 and 28 of the cam lever 29 and the link or strap 30, respectively. It will thus be seen that by operating the cam lever the terminals of the members 23 may be projected or withdrawn as may be desired.

From the foregoing description taken in connection with the drawings it is evident that I provide a novel construction of soap truck provided with novel means for holding the walls together, said means being so constructed that the walls may be readily removed or quickly clamped and locked together.

What I claim as new and desire to secure by Letters Patent is:—

1. The combination with a soap truck, consisting of a base and removable end and side walls, of corrugated wedges secured at opposite sides of the ends of the side walls, a pivoted clamp carried by the end walls and having its terminals engaging the corrugated wedges for holding the walls together, and adjustable clamps secured to the end walls near the upper ends for engaging the side walls, as set forth.

2. The combination with a soap truck, consisting of a base and removable end and side walls, of corrugated wedges secured at opposite sides of the ends of the side walls, a

pivoted clamp carried by the end walls and having its terminals engaging the corrugated wedges for holding the walls together, and adjustable clamps secured to the end walls near the upper ends for engaging the side walls, and means for holding the adjustable clamps in position and for operating the members simultaneously.

In testimony whereof, I have hereunto signed my name to this specification in the presence of two subscribing witnesses.

FRANK H. HOTCHKISS.

Witnesses:
THOMAS H. PHILLIPS,
ISIE M. TONE.