

(No Model.)

C. E. DOOLITTLE.
CLOTHES LIFTER.

No. 582,275.

Patented May 11, 1897.

Fig. 1.

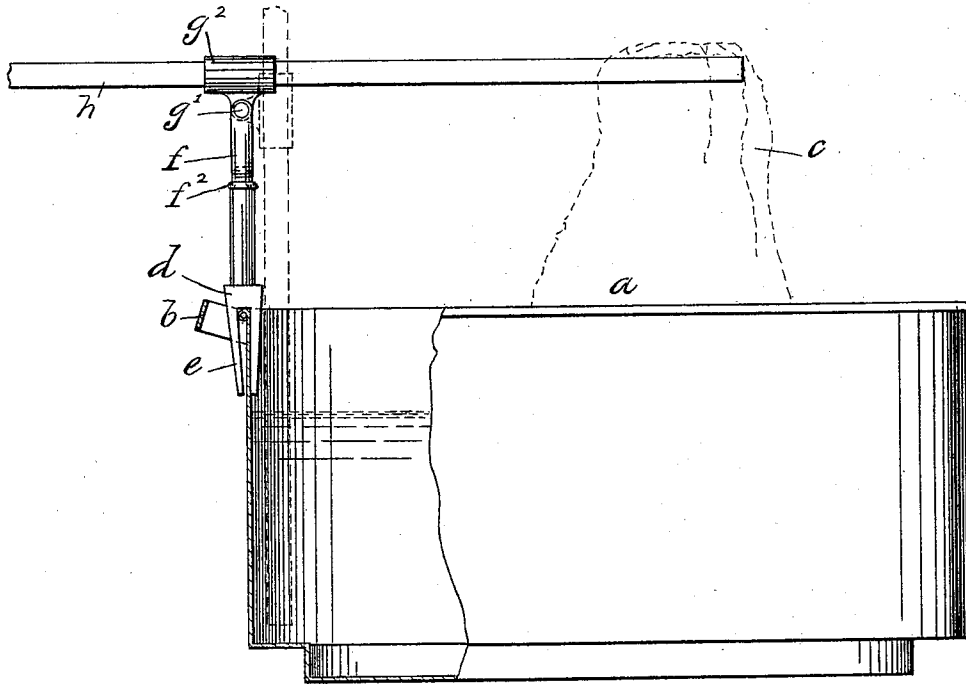
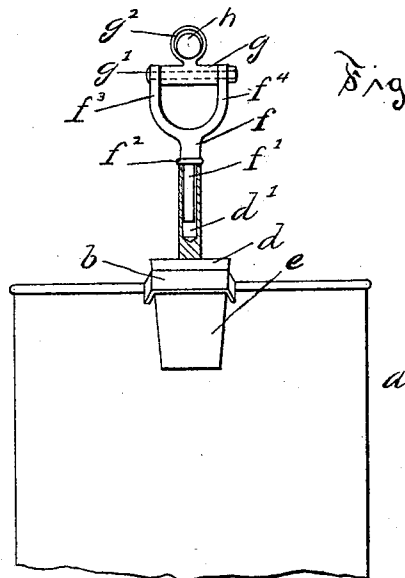


Fig. 2.



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CLOTHES-LIFTER.

SPECIFICATION forming part of Letters Patent No. 582,275, dated May 11, 1897.

Application filed February 2, 1897. Serial No. 621,597. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. DOOLITTLE, a citizen of the United States, and a resident of Plantsville, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Clothes-Lifters, of which the following is a full, clear, and exact description, whereby any one skilled in the art can make and use the same.

The object of my invention is to provide a device by means of which wet clothing or like articles may be removed from a wash boiler or tub and placed in another receptacle without requiring the operator to stand over the boiler or to use the hands in direct contact with the wet clothes.

To this end my invention consists of the several parts making up the device as a whole and in the combination of such parts as are hereinafter described, and more particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a view in side elevation of the device shown in position for use on the end of a boiler. Fig. 2 is a detail view, in front elevation, of the device with parts broken away to show construction.

In the accompanying drawings my improved device is shown in use on a wash-boiler, in connection with which it is more especially adapted for use, and in said drawings the letter *a* denotes a wash-boiler, *b* the handle, and *c* one of the articles forming a part of the contents of the boiler.

The letter *d* denotes a standard, made, preferably, of wood, having at the lower end a fork *e*, which straddles the edge of the boiler with one leg of the fork on the inside and the other located between the side parts of the handle *b* on the outside and tapered and adapted to fit snugly within the handle, so that this standard is held firmly in a vertical position on the edge of the boiler.

In the upper part of the standard is a socket *d'*, adapted to receive the pivoted end of the swivel *f*. The swivel *f* has at its lower end a shank *f'*, adapted to fit the socket *d'* in the standard, the shoulder *f²* forming a stop which determines the vertical position of the swivel in its socket. The upper portion of the swivel is U-shaped and holds between the

branches *f³* *f⁴* a socket-piece *g*, which is supported on the horizontal pivot *g'*, that extends through an opening in the socket-piece and through the upper end of the branches and may be held in place as by means of a nut on one end of the pivot and a head on the other.

The socket-piece *g* has a transverse socket *g²*, adapted to receive a lever *h*, which is preferably cylindrical and of a length sufficient to enable it to extend downward into the boiler and for a like distance outside. This lever has a lengthwise sliding movement in the socket-piece, a movement in a vertical plane on the pivot *g'*, and a swinging movement sidewise in a horizontal plane on the pivot *f'*.

The operation of the device is as follows: The standard having been secured to the edge of the boiler or other vessel, as a tub or barrel, in which wet clothes may be placed in the process of washing, the lever is thrust through the socket-piece in the swivel and its inner end pushed down into the boiler underneath a fold of the article to be removed, and by downward pressure on the outer end of the lever the article is lifted out of the water and may be swung to one side out of the boiler and into any convenient receptacle.

This device is of great practical use in removing clothing from a boiler in which it has been immersed in hot water, and it avoids the necessity of standing over the hot steaming contents of the boiler or of touching them with the hands. It also aids as a mechanical device for imparting the force needed to remove the clothing by use of the lever in the lifting operation.

I claim as my invention—

1. In combination with a standard having means for attachment to the vertical wall of a vessel, a swivel rotarily mounted on the standard, a socket-piece pivoted to the swivel and having a transverse socket, and a lever mounted in the socket-piece.

2. In combination, a standard having a forked lower end adapted to grasp the upright walls of a boiler or like vessel, a vertical socket in the upper end of the standard, a swivel having a shank pivoted in the socket in the standard and supporting a socket-piece pivoted in a horizontal plane between the arms

of the swivel, a transverse socket in said socket-piece, and a lever loosely mounted in the socket-piece.

3. In combination, a standard having a
5 forked lower end, one leg of said fork being tapered and adapted to fit snugly within the handle of a boiler, a socket in the upright portion of the standard, a swivel pivoted in

the vertical socket in the standard and having a socket-piece pivoted to swing in a vertical plane, and a lever mounted in said socket-piece.

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