

No. 625,573.

Patented May 23, 1899.

G. A. LEAVITT.
BARREL CLAMP AND CAP.

(Application filed Sept. 15, 1898.)

(No Model.)

Fig. 1.

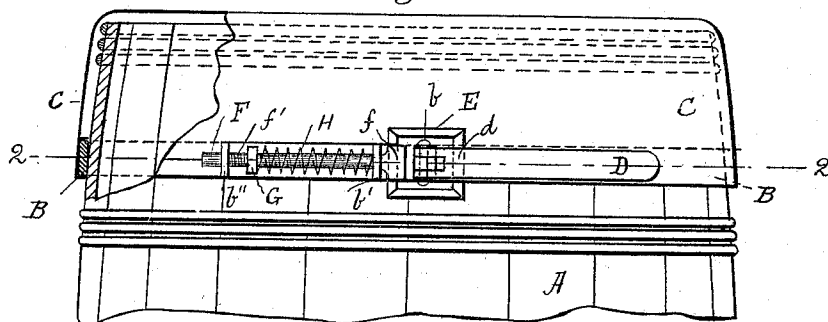


Fig. 2.

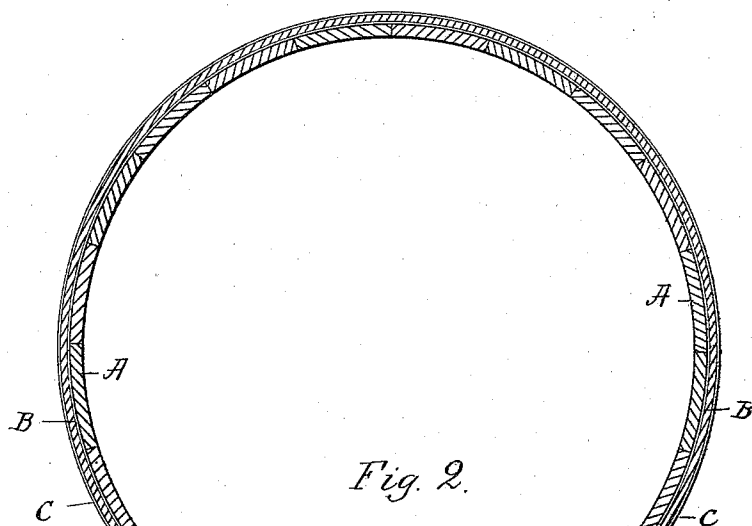
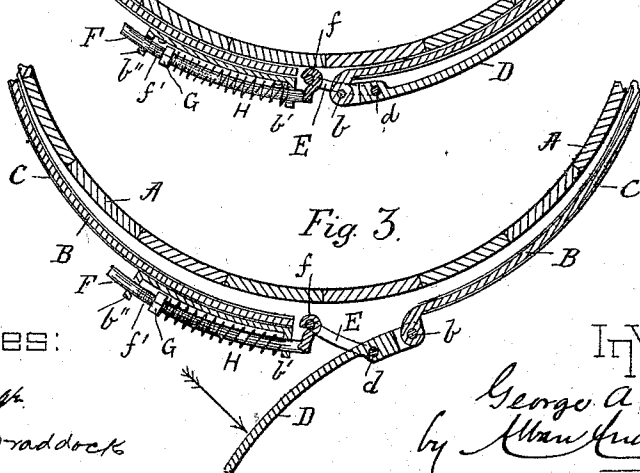


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE A. LEAVITT, OF DANVERS, MASSACHUSETTS.

BARREL CLAMP AND CAP.

SPECIFICATION forming part of Letters Patent No. 625,573, dated May 23, 1899.

Application filed September 15, 1898. Serial No. 691,019. (No model.)

To all whom it may concern:

Be it known that I, GEORGE A. LEAVITT, a citizen of the United States, residing at Danvers, in the county of Essex and State of Massachusetts, have invented new and useful Improvements in Barrel Clamps and Caps, of which the following is a specification.

This invention relates to improvements in barrel clamps and caps for the purpose of covering unheaded barrels containing produce, refuse, ashes, &c., while being transported from place to place; and it consists in a simple and efficient device which can readily be applied to the top or open end of a barrel for the purpose of closing it when so desired and easily removed preparatory to emptying the contents of the barrel, as will hereinafter be more fully shown and described, reference being had to the accompanying drawings, wherein—

Figure 1 represents a front view, partly shown in section, of the improved barrel clamp and cap applied to the top or open end of the barrel. Fig. 2 represents a horizontal section on the line 2 2 shown in Fig. 1, and Fig. 3 represents a similar horizontal section showing the clamping device released preparatory to removing it from or placing it on the barrel end.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

In the drawings, A represents a barrel, the upper open end of which is to be covered by my improved device, which consists of a divided expansive open band or hoop B, preferably made of metal and adapted to be clasped around the barrel at or near its open end, as shown. To said expansive band or hoop B is secured a cap or cover C, preferably made of cloth or similar material, which serves to close the open end of the barrel when the band or hoop B is secured in position, as shown in Figs. 1 and 2.

To one end of the expansive hoop or band B is pivoted at *b* a lever D, to which is pivotally connected at *d* a link or bail E, the free end of which is connected to the hooked end *f* of a spindle F, which is guided in perforated ears *b'* *b''*, secured to or forming part of the opposite end of the band or hoop B, as shown. The spindle F is screw-threaded, as

shown at *f'*, and provided with an adjusting-nut G, between which and the ear *b'* is located on the spindle F a compressible coiled spring H, as shown.

In using the device I proceed as follows: Before the cap is placed on the barrel the band or hoop B is expanded by throwing the lever D into the position shown in Fig. 3, after which the now-expanded band B is placed around the upper end of the barrel at a distance from the top thereof which is limited by the cap or cover C. The band B is then clamped firmly in position around the barrel simply by swinging the lever D from the position shown in Fig. 3 to that shown in Figs. 1 and 2, which causes the band B to be held firmly girted around the upper open end of the barrel and causing such open barrel end to be effectually closed by the cap C, as shown.

By adjusting the position of the nut G on the spindle F the tension of the spring H may be varied so as to regulate the grip of the band B on the barrel when the device is locked in position thereon. Also by adjusting the position of said nut on its spindle the device may be adjusted to fit barrel ends varying in size.

I wish to state that although I prefer to connect the hook *f* yieldingly to one end of the band or hoop B for the purpose stated I may, if so desired, secure such hook rigidly to said band or hoop without departing from the essence of my invention. I also wish to state that I do not desire to confine myself to the exact construction of parts as shown, as equivalents may be used without invalidation of the invention.

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

1. The herein-described barrel clamp and cap, consisting of an expansive open band or hoop B, and a flexible cap or cover secured thereto, combined with a lever D, pivoted to one end of said band, an adjustable spindle F, mounted in apertured ears upon the opposite end of the open band or hoop, and a bail E, having a loose connection between said spindle and lever, substantially as described.

2. The herein-described barrel clamp and cap, comprising an expansive open band or hoop B, a flexible cap or cover secured to said

band, a lever D, pivoted to one end of the
band or hoop, a pair of apertured ears b' , b'' ,
secured to the opposite end of the band or
hoop, a spindle F, passing freely through
5 said ears and having a nut G, threaded there-
on, a compressible spring H, coiled about
said spindle and having its opposite ends act-
ing against the nut and one of the said ears
respectively, and a bail E, having a loose con-

nection between the said spindle and lever, to
substantially as described.

In testimony whereof I have hereunto set
my hand in presence of two subscribing wit-
nesses.

GEORGE A. LEAVITT.

Witnesses:

ALBAN ANDRÉN,

JULIUS PEALE.