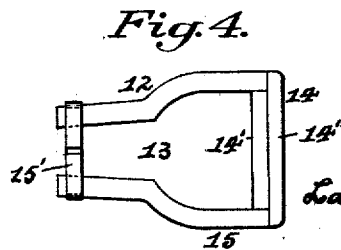
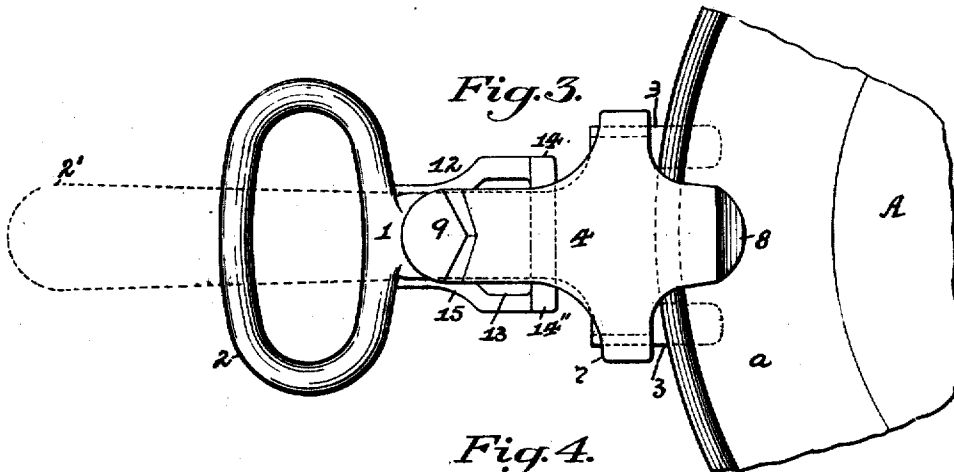
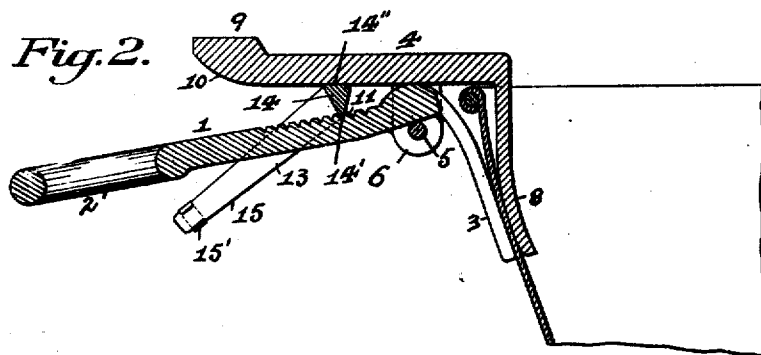
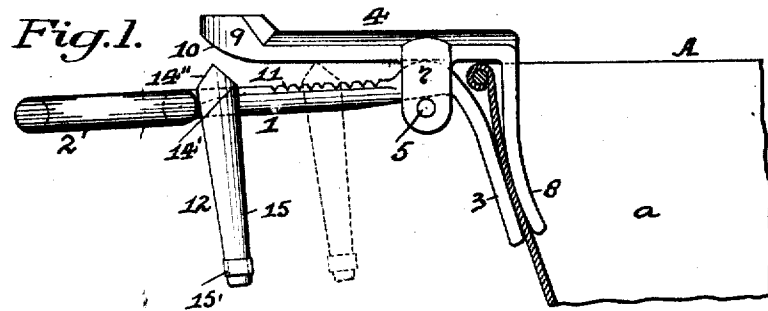


L. A. BERTRAM.
PAN LIFTER.
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929,819.

Patented Aug. 3, 1909.



WITNESSES

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UNITED STATES PATENT OFFICE.

LAWRENCE A. BERTRAM, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO HARRY NEWLANDS, OF PITTSBURG, PENNSYLVANIA.

PAN-LIFTER.

No. 929,919.

Specification of Letters Patent.

Patented Aug. 3, 1909.

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To all whom it may concern:

Be it known that I, LAWRENCE A. BERTRAM, a resident of Pittsburg, (North Side,) in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Pan-Lifters; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to lifters, and has special reference to what are generally known as "pan lifters" for being detachably connected to pans or other similar shaped vessels.

The object of my invention is to provide a cheap, simple and efficient lifter which will be capable of being readily and easily attached to the article to be lifted, will be capable of firmly taking a secure hold on such article and will also be capable of being quickly detached from the article.

My invention consists, generally stated, in the novel arrangement, construction and combination of parts, as hereinafter more specifically set forth and described, and particularly pointed out in the claims.

To enable others skilled in the art to which my invention appertains to construct and use my improved lifter, I will describe the same more fully, referring to the accompanying drawing, in which—

Figure 1 is a side elevation of my improved lifter in position and ready to be clamped to a pan. Fig. 2 is a similar view showing the same clamped to the pan. Fig. 3 is a plan view of the lifter. Fig. 4 is a plan view of the locking member.

Like symbols of reference herein indicate like parts in each of the figures of the drawing.

As illustrated in the drawing, 1 represents the lifting or handle member of the lifter which has a handle 2 at one end and the two jaws 3 extending downward from the other end. Mounted upon the member 1 is the tilting member 4, which is pivoted to the member 1 by means of a rod 5 extending across and under said member 1. This rod 5 fits within holes formed in lugs 6 extending down from the under face of the member 1 and in arms 7 extending down from each side of the member 4 and fitting on each side of the lugs 6. The member 4 has a jaw 8 extending down from one end of the same and in front of and between the two jaws 3 on the member 1, and the opposite end of said member 4

has an enlargement 9 thereon, which is rounded from the under face of the said member, as at 10, to assist in the insertion of the locking member hereinafter described under said member 4 when it is desired to use the device in clamping.

The upper face of the member 1 is provided with a series of teeth or serrations 11 thereon, and connected to said member is the U-shaped locking member 12, which is adapted to fit around said member through the opening 13 therein and formed by the end 14 and arms 15 extending down from said end. The locking member 12 is hung from the member 1 by its upper end 14 and such end is triangular-shaped in cross-section and provided with a pointed portion 14' and flat portion 14'' thereon. A flexible metal strap 15' is bent around the arms 15 of the U-shaped member 12 for closing the lower end of said member in order to hold the member 12 on the member 1, and when said strap is detached from the arms 15 the said member 12 can be removed from the said member 1.

The use and operation of my improved lifter is as follows—The parts are normally disposed as shown in full lines Fig. 1, and when it is desired to lift a pan, pot, dish or other culinary article or vessel, the lifter in such a position is placed over the upper edge of the wall *a* of the vessel A and thereby allow said wall to come between the jaws 3 and 8 on the members 1 and 4, with the jaws 3 on the outside of said wall and the jaw 8 on the inside of the same. After this is done, the locking member 12 is moved or slid forward on the member 1 to a position under the member 4, as shown in dotted lines Fig. 1, which will act to raise the end of said member 4 over the member 1, and through said member 4 being pivoted to said member 1 by the rod 5, the jaw 8 at the other end of said member 4 will be brought against the vessel wall *a*. In order to clamp the jaws 3 and 8 against the vessel wall *a*, the locking member 12 can then be tilted or swung back by grasping the arms 15 on the same to the position shown in Fig. 2, which will cause the triangular-shaped end 14 to be turned, so that it will act as a cam by the flat portion 14' on said end engaging with the under face of the member 4 and the pointed portion 14' engaging with one of the teeth or serrations 11 on the upper face of the member 1. With

the locking member 12 in this position the portion or end of the member 4 over the member 1 will be further slightly raised on its pivot rod 5 connecting said members 1 and 4 together, and will thus throw back the jaw 8 on said member 4, so that the vessel wall *a* will be clamped tightly between said jaw and the jaws 3 on the member 1 and enable the vessel A to be lifted and carried by the handle 2. The lifter can easily and quickly be released or removed from the vessel wall *a* at any time by throwing or swinging forward the locking member 12 to a vertical position, which will release the pointed portion 14' on the end 14 thereof from engaging with the teeth 11 and the flat portion 14'' from the member 4, so that said member 4 will drop down and free its jaw 8 from binding on the wall *a*, after which the member 12 can be drawn back to the position shown in full lines Fig. 1 to open up the jaws 3 and 8 entirely and then the lifter can be removed from the said wall.

It will thus be seen that my improved lifter will facilitate the handling of hollow articles, such as vessels which are not provided with permanent handles, and will provide for a domestic utensil or tool of great utility for household use in lifting vessels from stoves, ranges, etc., which are not provided with handles or where they are so provided and such handles have become too highly heated. The device will enable a firm gripping and clamping action to be made with the vessel, so that there will be no liability of the lifter and vessel becoming loose or separated and allow the vessel to drop.

The lifter can be used in handling a number of different kinds of articles or vessels, and can be provided with a longer or solid handle such as is shown at 2' in dotted lines on Fig. 3, while various modifications and changes in the design and construction of my improved lifter may be resorted to without departing from the spirit of the invention, or sacrificing any of its advantages.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A lifter comprising a handle member having jaws thereon, a tilting member pivoted to said handle member and having a jaw thereon, and a swinging locking member hung from and around said handle member and movable along said member for engaging

with said members to raise the tilting member in the closing of said jaws.

2. A lifter comprising a handle member having jaws projecting thereon, a tilting member pivoted to said handle member and having a jaw thereon, and a swinging locking member hung from and around said handle member and movable along said member, said locking member having a triangular-shaped end for engaging between and with said handle and tilting members to raise said tilting member in the closing of said jaws.

3. A lifter comprising a handle member having serrations thereon, jaws on said member, a tilting member pivoted to said handle member and having a jaw thereon, and a swinging locking member hung from and around said handle member and movable along said member for engaging with said tilting member and said serrations to raise said tilting member in the closing of said jaws.

4. A lifter comprising a handle member having serrations thereon, jaws on said member, a tilting member pivoted to said handle member and having a jaw thereon, and a swinging locking member hung from and around said handle member and movable along said member, said locking member having a triangular-shaped end for engaging with said tilting member and said serrations to raise said tilting member in the closing of said jaws.

5. A lifter comprising a handle member having serrations thereon, jaws on said member, a tilting member pivoted to said handle member and having a jaw thereon, and a swinging member hung from and around said handle member and movable along the same, said locking member having a triangular-shaped end, the pointed end of which is adapted to engage with said serrations and the flat portion opposite said pointed end being adapted to engage with said tilting member to raise the same in the closing of said jaws.

In testimony whereof, I, the said LAWRENCE A. BERTRAM, have hereunto set my hand.

LAWRENCE A. BERTRAM.

Witnesses:

J. N. COOKE,

J. L. TREFALLER, Jr.