W. W. SHIRLEY.

PAN AND PLATE LIFTER.

APPLICATION FILED MAY 5, 1910.

972,933 **Patented Oct. 18, 1910**

Fig. 1.

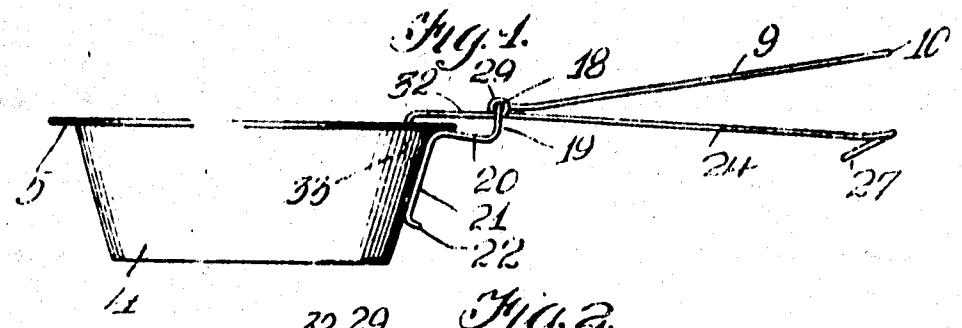


Fig. 2.

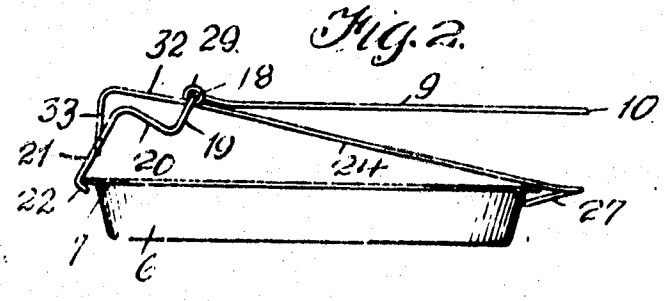
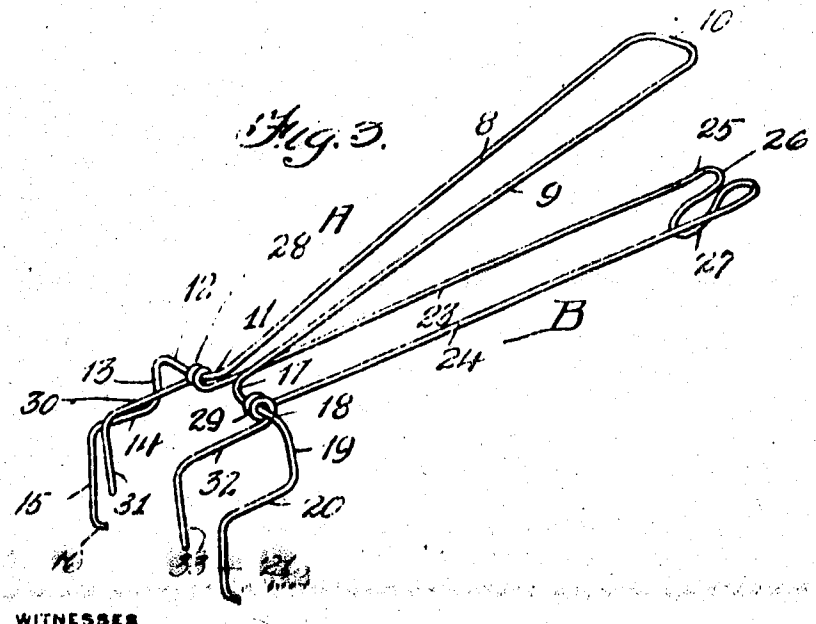


Fig. 3.



WITNESSES

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PAN AND PLATE LIFTER.

972,933. Specification of Letters Patent. Patented Oct. 18, 1910.

Application filed May 5, 1910. Serial No. 559,448.

To all whom it may concern:

Be it known that I, WILLIAM W. SHIRLEY, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Pan and Plate Lifters, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to plate and pan lifters and has for its object to provide a device of such class in a manner as hereinafter set forth which is particularly adapted for lifting hot plates or receptacles provided with a rim or for conveniently moving plates or receptacles from one point to another.

Further objects of the invention are to provide a lifting device for the purpose set forth which is simple in its construction and arrangement, strong, durable, efficient in its use, conveniently adjusted or positioned with respect to the article to be lifted, and inexpensive to manufacture.

With the foregoing and other objects in view, the invention consists of the novel construction, combination and arrangement of parts as hereinafter more specifically described and illustrated in the accompanying drawings wherein is shown the preferred embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to which come within the scope of the claim hereunto appended.

In describing the invention in detail, reference is had to the accompanying drawings wherein like reference characters denote corresponding parts throughout the several views in which:

Figure 1 is a side elevation of a receptacle showing the adaptation therewith of a lifting device in accordance with this invention. Fig. 2 is a side elevation of a pie plate showing the adaptation therewith of a lifting device in accordance with this invention, and, Fig. 3 is a perspective view of a lifting device.

Referring to Fig. 1 of the drawings, 4 indicates the body-portion of a receptacle having a laterally-extending rim 5 at the top thereof and referring to Fig. 2 of the drawings, 6 denotes the body-portion of a pie plate having the top thereof formed with a laterally-extending rim 7.

A lifting device in accordance with this invention comprises an upper member referred to generally by the reference character A and a lower member referred to generally by the reference character B. The members A, B are pivotally-connected together and each is formed from a single piece of wire of the necessary rigidity. The member A consists of a handle portion which gradually decreases in width from its outer to its inner end and is formed of a pair of arms 8, 9, connected together at the outer end of the handle portion by a transversely-extending part 10. The member 8 at its inner terminus is rounded as at 11 and merges in a right-angularly disposed arm 12 which terminates in a vertically-extending arm 13, the latter merging into a longitudinally-extending member 14 which terminates in a vertically-disposed abutment 15 having a hook-shaped lower end 16. The member 9 at its inner terminus is rounded as at 17 and merges in a right-angularly-disposed arm 18 which terminates in a vertically-extending arm 19, the latter merging into a longitudinally-extending member 20 which terminates in a vertically-disposed abutment 21 having a hook-shaped lower end 22. The rounded portion 11 is oppositely disposed with respect to the rounded portion 17, the arm 12 extends in an opposite direction with respect to the arm 18, the arm 13 is arranged in parallelism with respect to the member 19, the member 14 is arranged in parallelism with respect to the member 20 and the abutment 15 and hooked end 16 of said abutment is arranged parallel with the abutment 21 and its hooked end 22. The member B is formed from a pair of arms 23, 24 which are arranged in parallelism with respect to each other and each has its outer part upturned as at 25 and terminating in a rounded portion 26 which merges into a downwardly-depending inclined loop 27 which constitutes a hook. The arm 23 at its inner end is looped around the arm 11 at one side of the rounded portion 11 and as at 28 whereby the arm 23 is pivotally-connected to the member A. The arm 24 at its inner end is looped around the arm 18 at one side of the rounded portion 17 as at 29 whereby the arm 24 is pivotally-connected to the member A. Projecting from the looped portion 28 is an angle-shaped extension comprising a longitudinally-extending arm 30 and a vertically-disposed arm 31. Projecting from the looped

portion 20 is an angle-shaped extension comprising a longitudinally-extending arm 32 and a vertically-extending arm 33. The angle-shaped extensions are parallel.

When the lifting device is utilized as a removable handle for removing a receptacle, the arms 14 and 20 extend under the rim 5 and the abutments 15 and 21 engage the body-portion 4 of the receptacle. The angle-shaped extensions project over and into the receptacle and the lower ends of the arms 31 and 33 of the extensions engage the inner face of the receptacle. This is clearly shown in *Fig.* 1. The handle portions of the members A and B are then moved toward each other and the receptacle is firmly gripped and can readily be removed from one place to the other. The arms 14 and 20 constitute a support for the rim and the arms 31, 33 and abutments 15, 21 form what may be termed clamps for securely gripping the body-portion of the receptacle to prevent the latter from slipping when it is moved by means of the lifter. When the lifting device is used as gripping tongs for moving pie plates or pans, the hook 27 is positioned under the rim 7 and the hooked ends 16, 22 of the abutments 15, 21 also positioned under the rim 7 opposite to the position of the hook 27. The plate or pan can then be conveniently removed by gripping the handle portions of the members A, B.

What I claim is:

A lifting device comprising a pair of members, one of which includes a handle portion terminating in a pair of right-angularly disposed arms and further having longitudinally-extending members constituting supports and connected with said arms and further including vertically-disposed abutments depending from said members and each provided with a hooked end, the other of said members including a handle portion having one end formed with a depending hook and its other end looped around said arms for pivotally-connecting the members together and said last-mentioned member further including angle-shaped extensions projecting from the looped portions thereof.

In testimony whereof I affix my signature in the presence of two witnesses.

WILLIAM W. SHIRLEY.

Witnesses:

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EDWARD F. RODYERS.