No. 844,966. PATENTED FEB. 19, 1907.

C. F. SMITH.

PLATE LIFTER.

APPLICATION FILED NOV. 17, 1906.

Fig. 1.

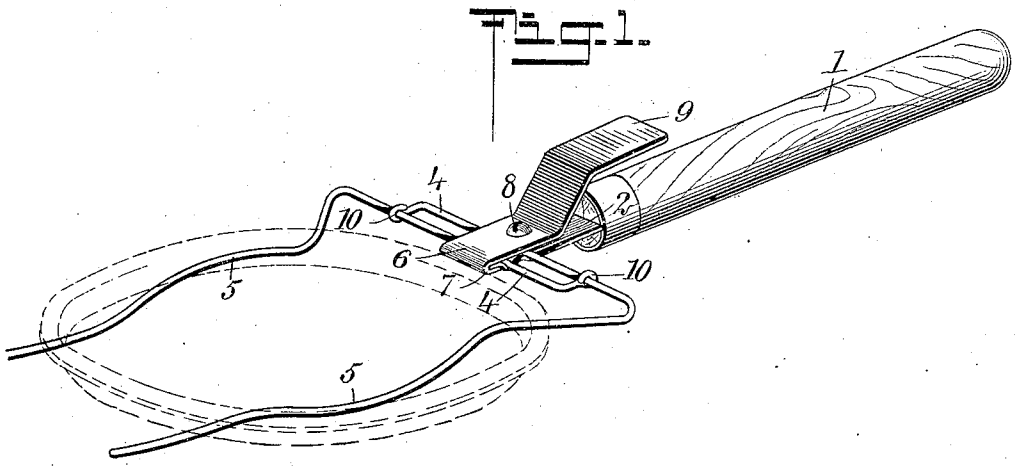


Fig. 2.

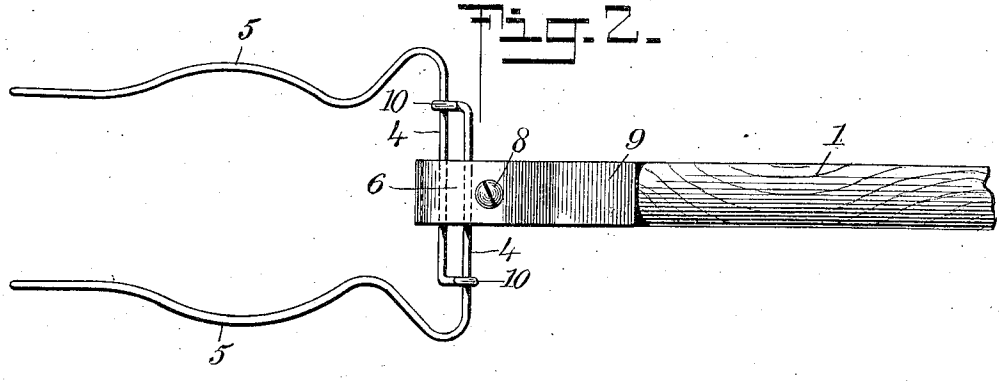
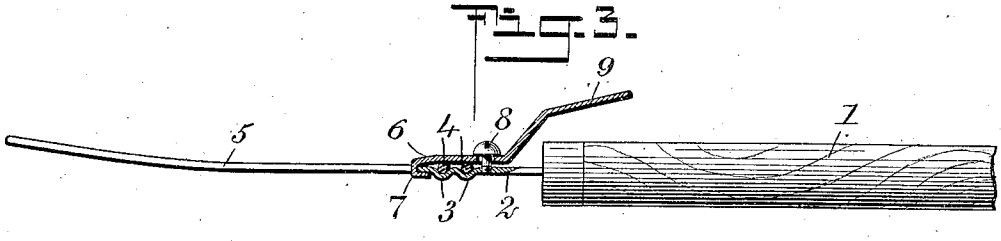


Fig. 3.



WITNESSES

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PLATE-LIFTER.

No. 844,966. Specification of Letters Patent. Patented Feb. 19, 1907.

Application filed November 17, 1906. Serial No. 343,847.

To all whom it may concern:

Be it known that I, CHARLES FRANKLIN SMITH, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, county of Kings, and State of New York, have invented a new and Improved Plate-Lifter, of which the following is a full, clear, and exact description.

This invention is an improved plate-lifter for carrying plates, lids, and other devices about in the kitchen, especially when in heated condition.

The invention is primarily directed to a novel construction adapting the lifter to be adjusted with facility to suit plates, pans, &c., of varying diameter.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my improved lifter, showing a plate seated thereon in dotted outline. Fig. 2 is a plan of the lifter, and Fig. 3 is a longitudinal central vertical section through the same.

In carrying out my invention I employ a handle 1 of any desired construction or shape, that shown being uniformly cylindrical and carries a tongue 2, projecting outwardly at one end thereof. This tongue 2 near its outer end is provided with a couple of transverse corrugations 3, forming seats for transverse members 4 of outwardly-projecting arms 5. These members 4 are held in engagement with the tongue 2 and are adapted to be clamped in adjusted position by a plate 6, said plate having its forward end bent upon itself to form a pocket 7, engaging the extremity of the tongue 2. The plate is further connected to the tongue 2 at the opposite side of the members 4 by a screw 8 passing through an opening in the plate and threaded into the tongue. From the screw the plate is extended rearwardly to provide an offset overhanging end 9, which is depressed by the thumb in locking the arms 5 against movement.

The arms 5, as shown in Figs. 1 and 2, are outwardly-curved intermediate their length in order to conform somewhat to the shape of the plate or pan and provide a seat for the same from which the plate or pan is not likely to be accidentally displaced. The arms 5 are, moreover, slightly curved upwardly in a plane at right angles thereto, as shown in Fig. 3, which shapes them somewhat in the nature of a scoop, adapting the arms to be readily passed underneath the article to be lifted and held from sliding from the outer end thereof. The cross or transverse members 4 of the arms after passing between the tongue 2 and plate 3 are each bent in opposite directions to provide an eye 10, embracing each other and slidably connecting the arms together. It is obvious from this construction that the arms may be made to approach or recede from each other and clamped in adjusted position by pressing on the overhanging end 9 of the plate 6, adapting the lifter to take plates, pans, &c., of varying diameters.

Although I have described the invention in detail in order that its construction and use might be fully understood, I nevertheless regard the precise embodiment as not material so far as it is within the scope of the appended claims.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A plate-lifter comprising two arms each having a transverse member provided with an eye slidingly embracing the other member whereby the distance between said arms may be adjusted, and a handle for supporting the arms.

2. A plate-lifter comprising two arms each having a transverse member provided with an eye slidingly embracing the other member whereby the distance between said arms may be adjusted, a handle for supporting the arms, and means for clamping the arms in adjusted position.

3. A plate-lifter comprising arms adjustable to and from each other, a handle having a tongue extending therefrom for supporting said arms, and a plate engaged with said tongue having an overhanging end operable to clamp the arms in adjusted position.

4. A plate-lifter comprising two arms slidably connected together, a handle having a tongue for supporting said arms, and a plate engaged with said tongue having a rearwardly-extending end overhanging the handle operable to clamp the arms in adjusted position.

5. A plate-lifter comprising two arms having transversely-extending members, said members being bent to provide eyes slidably connecting the arms together, a handle having an extending tongue with corrugations therein forming seats for said members, and

a plate having its forward end bent upon itself to engage the extremity of the tongue and a rearwardly-extending offset end overhanging the handle operable to clamp said members between the tongue and plate.

6. A plate-lifter comprising two arms slidably connected together, a handle having an extending tongue for supporting said arms, a plate engaged with the extremity of the tongue having a rearwardly-extending end overhanging the handle operable to clamp the arms in adjusted position, and a screw passing through an opening in the plate and threaded into said tongue.

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

CHARLES FRANKLIN SMITH.

Witnesses:

ARTHUR STUBER,

ROBERT HARPER.