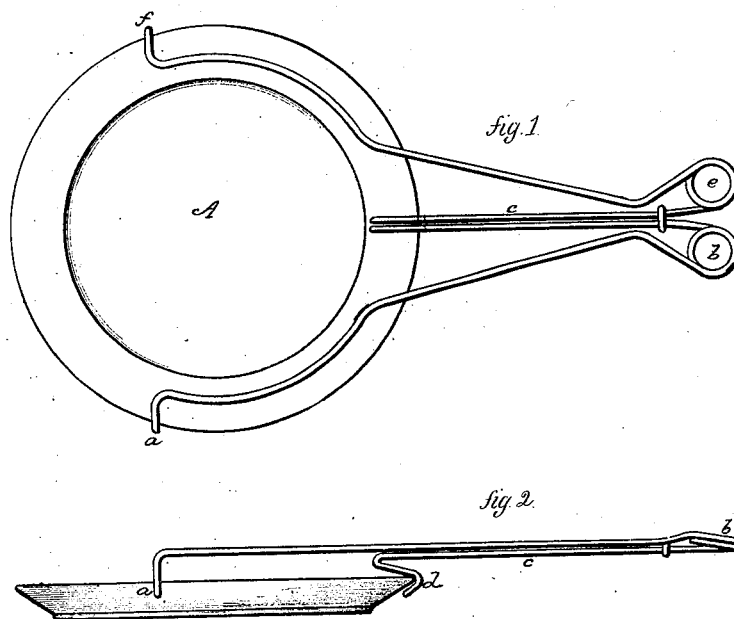


H. P. Brooks,

Plate Lifter.

No. 102,715.

Patented Nov. 29, 1870.



Witnessed
J. H. Murray
A. J. Tibbitts

Heman P. Brooks
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United States Patent Office.

HEMAN P. BROOKS, OF WATERBURY, CONNECTICUT.

Letters Patent No. 109,715, dated November 29, 1870.

IMPROVEMENT IN PLATE-LIFTERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, HEMAN P. BROOKS, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new Improvement in Plate-Lifter; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents, in

Figure 1, a top view, and in

Figure 2, a side view.

This invention relates to an improvement in device for lifting hot plates and other similar articles; and

It consists in an instrument provided with three hooks, two of which are elastic to adjust to different size plates, and so that the three hooks may grasp the plate at three different points.

I form my lifter, by preference, of a single piece of wire, bending first one end to form the hook *a*, then from the hook, extending out sufficient distance for a handle, and coiling the wire to form a spring, *b*, then returning inward, and doubling the wire to form a central arm, *c*, bending down to form the second hook *d*, the wire returning coiled again to form a spring, *e*, corresponding to the spring *b*, thence forward again to the third hook *f*.

The two wires in the center are secured together

in any suitable manner. Thus the two side hooks are made elastic, and the person operating with the lifter grasps forward of the springs, so as to have the elastic hooks under control, passes them over a plate *A*, then, pressing the hooks together, they firmly grasp the plate at these points so firmly that it may be lifted without the necessity of touching the plate with the hand.

If desired to turn the plate, the person grasps the plate in the same manner, and turns it in either direction, loosening and regrasping the plate to turn it to any extent desired.

While I prefer to form the lifter from a single piece of wire, it may be formed from different pieces, united together, it being only necessary that the springs for the outside hooks be provided in substantially the same manner.

I claim as my invention—

The herein-described plate-lifter, consisting of the three hooks *a d f*, the said hooks *a* and *f* being provided with springs for their adjustment, substantially in the manner herein set forth.

HEMAN P. BROOKS.

Witnesses:

J. G. JONES,
V. A. PAGE.