

(No Model.)

A. L. POMEROY.

PIE PLATE LIFTER.

No. 387,731.

Patented Aug. 14, 1888.

Fig. 1.

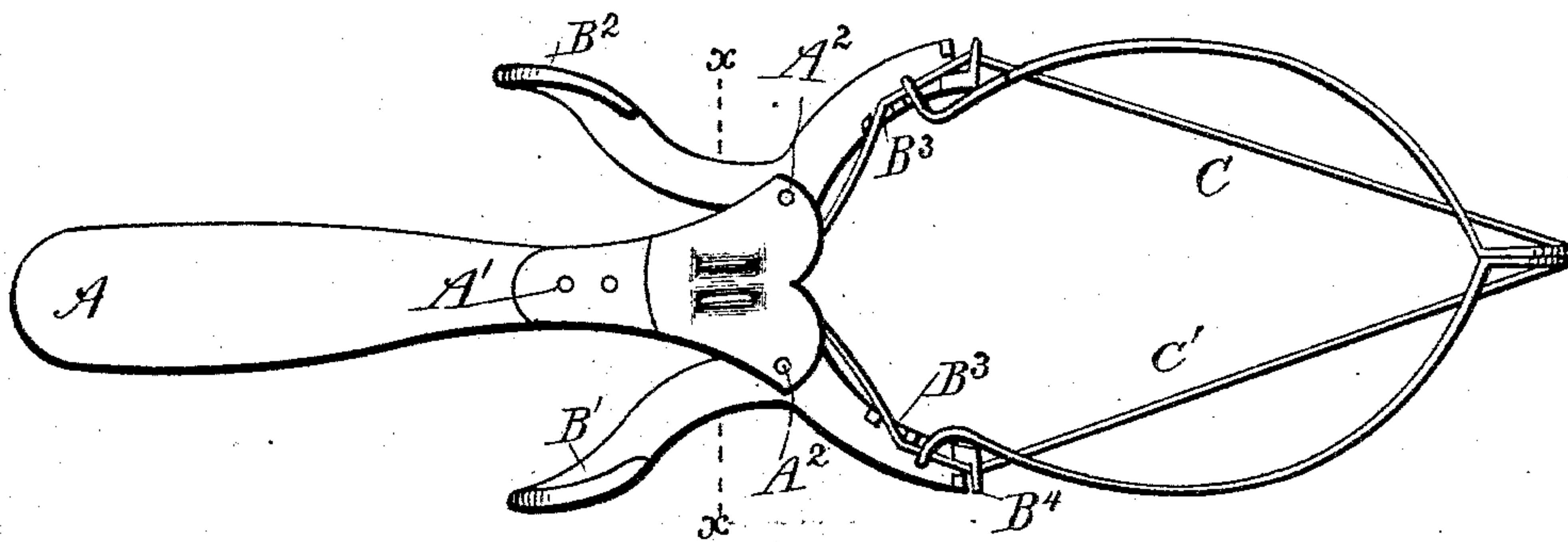


Fig. 2

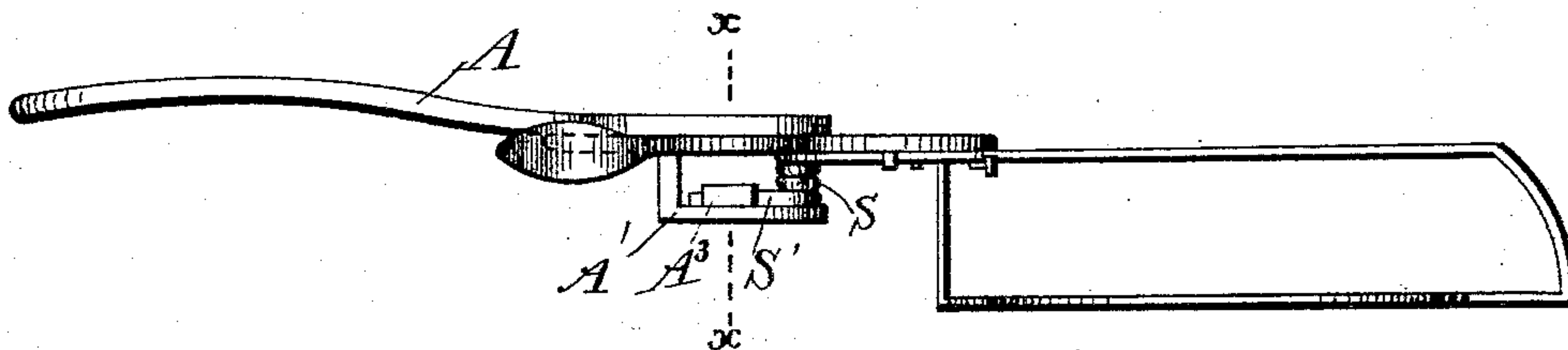


Fig. 3

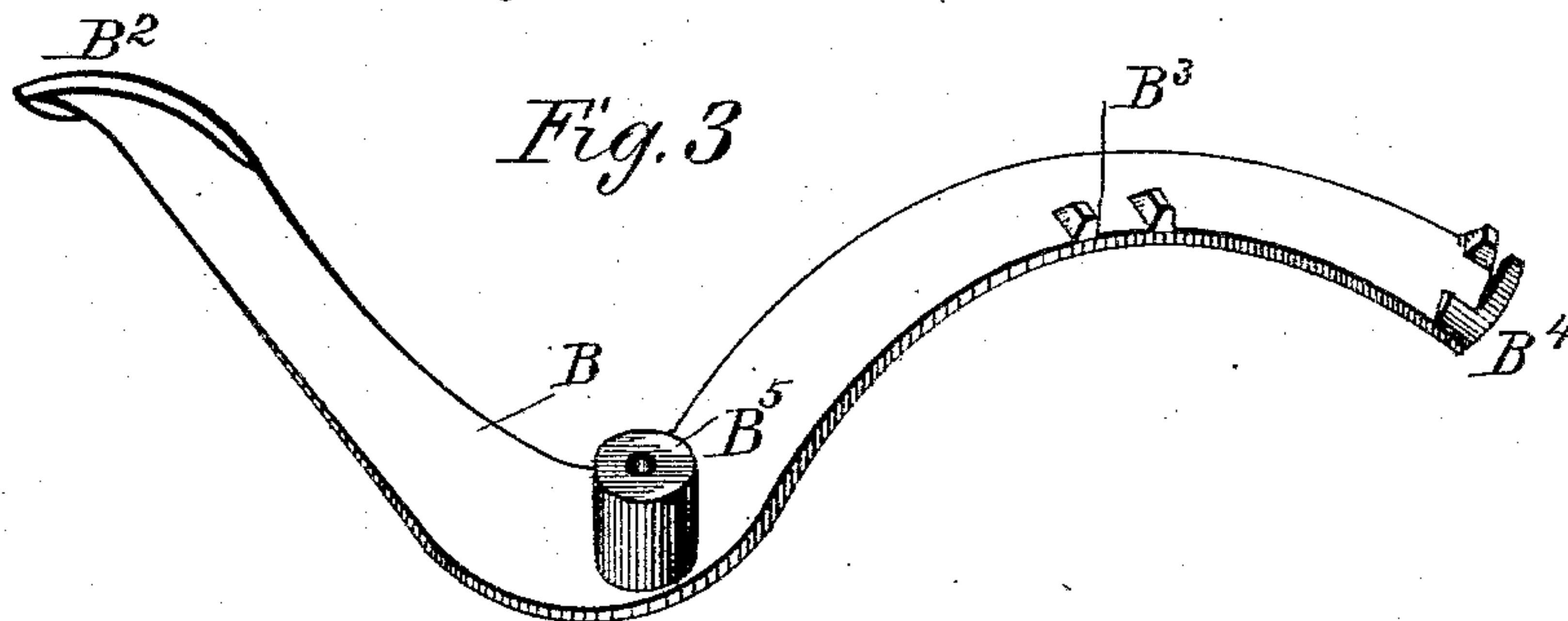
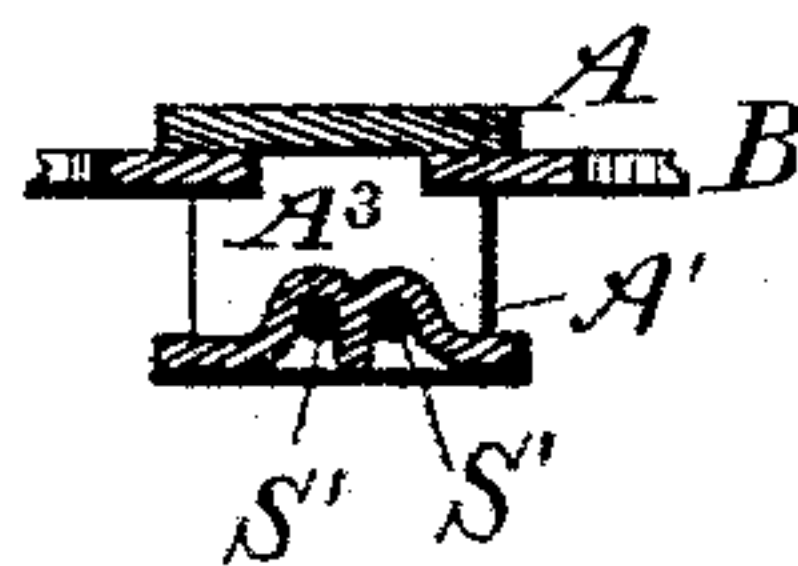


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

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PIE-PLATE LIFTER.

SPECIFICATION forming part of Letters Patent No. 387,731, dated August 14, 1888.

Application filed March 26, 1888. Serial No. 268,549. (No model.)

To all whom it may concern:

Be it known that I, AMOS L. POMEROY, a resident of Sand Lake, in the county of Rensselaer and State of New York, have invented certain new and useful Improvements in Pie-Plate Lifters; and I do hereby declare that the following is a full, clear, and exact description of the invention, that will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Similar letters refer to similar parts in the several figures therein.

My invention relates to improvements in pie-plate lifters; and it consists of the novel construction and combination of parts, hereinafter described, and pointed out in the claim.

Figure 1 is a bottom plan view of my improved device. Fig. 2 is a side elevation of same. Fig. 3 is a view in perspective of one of the operating-levers detached and placed bottom side up. Fig. 4 represents a vertical cross section taken at the broken line *xx* in Figs. 1 and 2.

The main object of my invention is to cheaply construct a strong and durable lifter.

I make use of a rigid supporting-frame of cast metal, having pivoted thereon two levers of cast metal, by which levers the wire lifter-arms are guided and operated. The supporting-frame is made up of the handle *A* and bracket-arm *A'*, riveted upon the lower side of the handle. Each of the operating-levers is provided at one end with a handle, *B*², at the opposite end with supporting-guides *B*³ and *B*⁴ for the wire arms *C C'*, and centrally of its length with a spiral spring-supporting hub, *B*⁵. The levers are pivotally secured to the frame by pins *A*², which pass through the inner end of the handle, a central perforation in the hubs, and through the bracket-arm. The lifter-arms, made in any well-known form of wire, are bent to form near the inner end of each a coil-spring, *S*. A lifter-arm is then

secured to each of the operating-levers by inserting the wire beneath the hook-guide *B*⁴, bending it around between the guides *B*³, as shown in Fig. 1, and then slipping the coil forming the spring on over the hub *B*⁵. The levers and arms so united are then secured to the frame by slipping the end *S'* of the wire which projects backward from each of the coils into an eye, *A*³, two of which are provided on the bracket-arm, and then inserting and securing in place the pins *A*². The resilient force of the coil-springs tends to keep the lifter-arms together, as shown in Fig. 1. By pressing upon the handles *B*² sufficiently to overcome this force of the springs the arms can be opened and spread sufficiently to receive a plate or other culinary utensil. When the plate is embraced by the arms, it will be retained therein if pressure is removed from the handles, or released therefrom if sufficient pressure is applied to the handles to spread the arms.

It will be observed that the hubs *B*⁵ keep the springs in shape and materially strengthen their resilient force, that the cast-metal frame can be easily and cheaply made, and that the whole device is a durable and convenient implement for handling heated plates or other culinary utensils.

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

In a pie-plate lifter, the combination, with a pair of lifter-arms provided with coiled wire springs, of a supporting-frame provided with wire-receiving eyes and a pair of levers provided at one end with arm supporting guides, at the opposite end with operating-handles, and intermediately with coil-supporting hubs, through which the levers are pivoted to the supporting-frame, substantially as described.

In testimony whereof I have hereunto set my hand this 24th day of March, 1888.

AMOS L. POMEROY.

Witnesses:

GEO. A. MOSHER,

W. H. HOLLISTER, Jr.