(No Model.)

D. MUNSON.

PIE LIFTER.

No. 445,006. Patented Jan. 20, 1891.

Fig. 1.

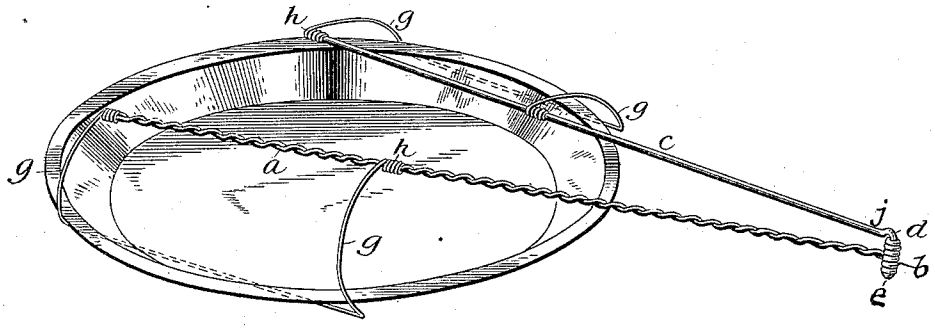


Fig. 2.

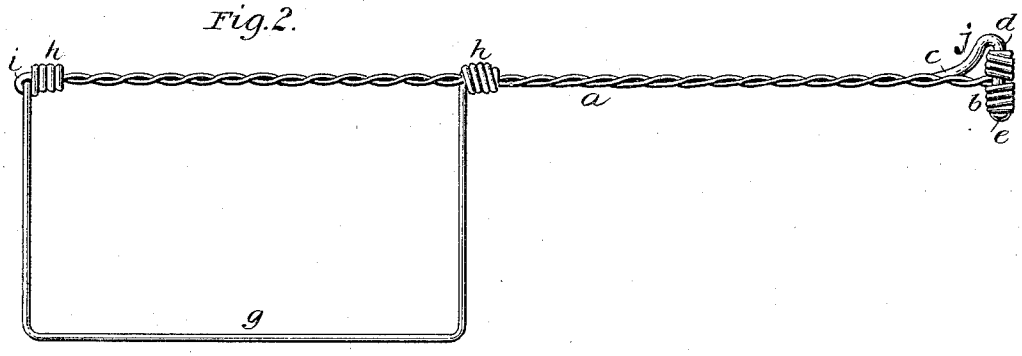


Fig. 4.

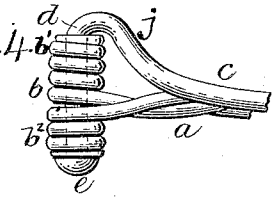
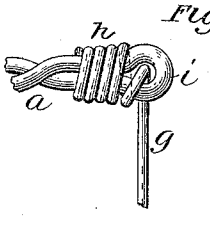


Fig. 3.



Witnesses:

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Inventor:

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

DAVID MUNSON, OF INDIANAPOLIS, INDIANA.

PIE-LIFTER.

SPECIFICATION forming part of Letters Patent No. 445,006, dated January 20, 1891.

Application filed April 12, 1890. Serial No. 347,637. (No model.)

To all whom it may concern:

Be it known that I, DAVID MUNSON, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented new and useful Improvements in Pie-Lifters, of which the following is a specification.

I have improved the device for lifting pie-plates in cooking, and the particular improvement which I have made will be specifically pointed out in the claim concluding this specification, in connection with the drawings.

The drawings hereto annexed illustrate the wire plate-lifter, in which—

Figure 1 is a perspective view. Fig. 2 is a detail of the hinge formed by the twisted ends of the arms, and Fig. 3 shows the manner of securing the ends of the loops to the free ends of the arms. Fig. 4 shows the coiled eye and pintle-hinge.

The device is made of steel wire of suitable size. One of the arms *a* is doubled, and the doubled strands are twisted and their ends coiled so as to form an eye *b*, making a right-angled coiled end. The other arm *c* is formed of a single strand formed with a right-angled end *d* of a length just sufficient to pass through the coiled eye, and secured by a soldered head *e*, making a strong and smoothly-working hinge adapted to allow the arms to be opened and closed with each other. The loops *g* are of smaller wire, the ends *h* of which are coiled around the arms and soldered thereto. These loops stand out from the free ends of the arms and are curved downward, so as to allow the straight parts of the loops to pass under the edges of the plate, and thus hold it while being lifted by the arms, which are held at their hinge end in the hand. The free ends of these arms are formed with small eyes *i*, into which the ends of the loops are secured before being coiled, one of the eyes being formed by the twisted strands and the other by bending the end of the arm. The loops stand opposite to each other and on a plane below the plane of the arms, so that they can be closed under the edges of the plate to lift it from the oven. The device can also be used for lifting the pie from the plate by closing its loops over the pie, so that their straight portions come under the bottom of it, so that it can be lifted and removed without being broken.

In forming the coiled eye for the hinge the ends of the coils are squared off to make smooth end bearings for the pintle of the hinge. The end of the pintle is formed with a solid knob or head, and it is formed with a sharp bend *j* where it joins the arm.

I have stated that the doubled and twisted arm *a* terminates in the coiled eye *b* for the hinge of the arms, and it will be seen from the drawings that such coiled eye is formed by coiling each end b' and b^2 of the doubled and twisted arm so that the coil will stand out to each side of the doubled arm. This construction gives the advantage of strength and of forming a handle for the arms, while the other arm *c* terminates in a pintle having a soldered head *e*, making a very strong and stiff hinge for keeping the arms in proper alignment.

I claim as my improvement—

The pie-lifting device herein described, consisting of the doubled and twisted arm *a*, having its ends terminating in separate coils b' and b^2, which stand out to each side of the said twisted arm, the twist of the arm forming an eye *i* at its other end, the other arm *c* having a pintle end secured in said separate coils by a soldered head *e* upon said pintle, and loops secured upon the free ends of the arms by coiled ends *h*, as shown and described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

DAVID MUNSON.

Witnesses:
S. A. FORKNR,
JOHN H. JONES.