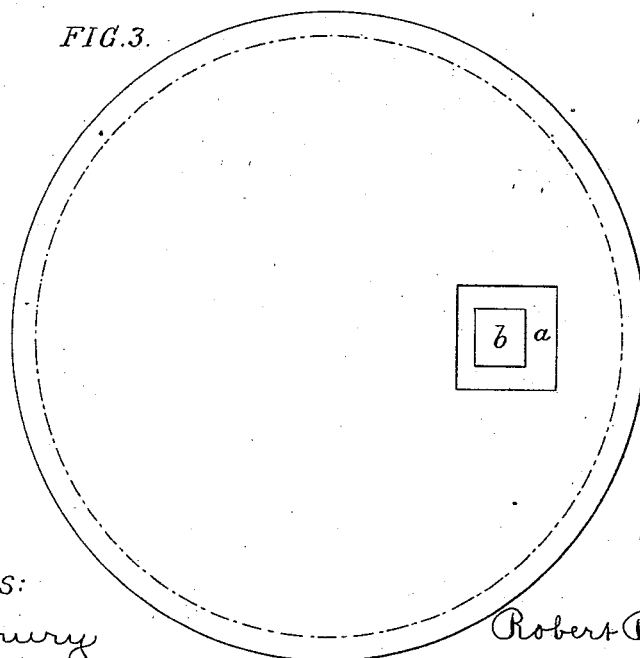
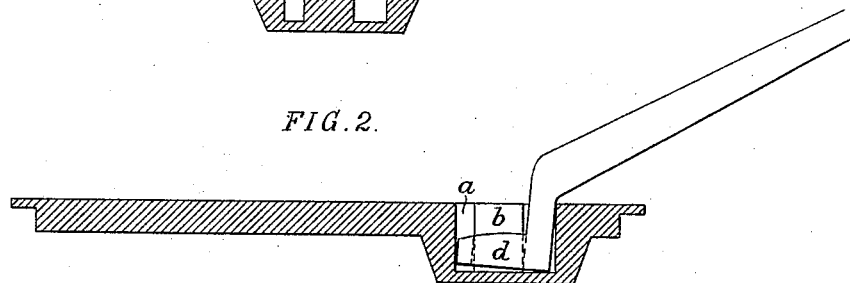
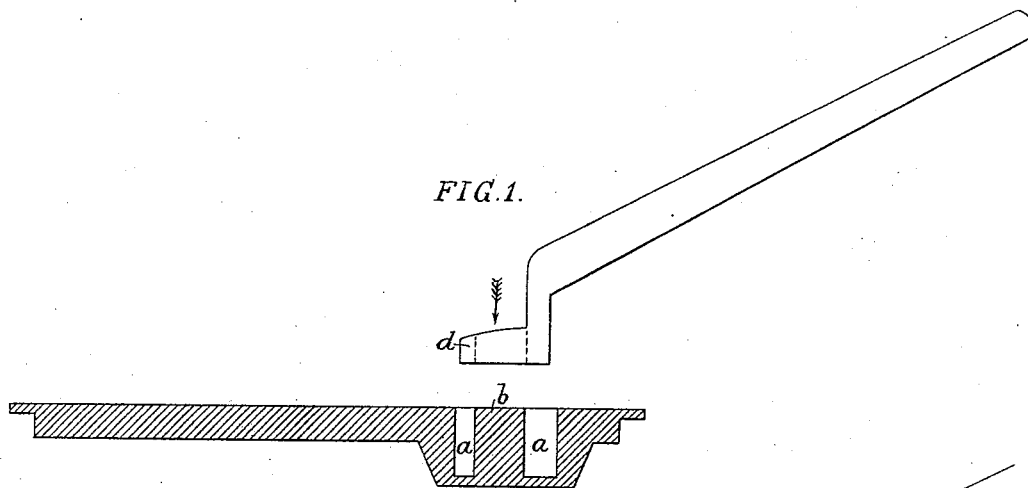


(No Model.)

R. P. PEARSON.
STOVE LID AND LIFTER.

No. 266,194.

Patented Oct. 17, 1882.



WITNESSES:
Harry Drury
Hamilton D. Turner.

INVENTOR:
Robert P. Pearson
by his attys.
Howson & Sons

UNITED STATES PATENT OFFICE.

ROBERT P. PEARSON, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
EDWIN V. MACHETTE, OF SAME PLACE.

STOVE-LID AND LIFTER.

SPECIFICATION forming part of Letters Patent No. 266,194, dated October 17, 1882.

Application filed August 18, 1882. (No model.)

To all whom it may concern:

Be it known that I, ROBERT P. PEARSON, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented certain Improvements in Stove-Lids and Lifters, of which the following is a specification.

The object of my invention is to so construct a stove-lid or cover-plate as to facilitate the molding of the same and lessen the loss due to imperfect castings, my improvements relating to the construction of that part of the lid or plate which is adapted for the reception of a lifter.

In the accompanying drawings, Figure 1 is a sectional view of a stove-lid made in accordance with my invention, the lifter being detached; Fig. 2, a similar view, showing the lifter in place; and Fig. 3, a plan view of the lid.

The ordinary undercut recesses in stove-lids for the reception of the lifters are objectionable on account of the difficulty of molding the same, and because of the large percentage of loss occasioned by the failure of the metal in pouring to fill the contracted spaces formed in the mold in making such undercut recesses.

In carrying out my invention I form in the stove lid or plate a recess, *a*, having a central vertically-projecting stud or pin, *b*, and I form the lifter *d* in the same manner as an ordinary socket-wrench, the socket being of such dimensions that it can be readily applied to the

stud *d* in the direction of the arrow, Fig. 1, there being a slight play of the stud in the socket, so that when the lid is lifted the stud will bind itself in the socket and prevent the lid from falling.

I have shown a square recess, *a*, and a square stud, but any other polygonal form may be adopted, or, in some cases, the recess or stud, or both, may be circular, the polygonal form being preferred, however, as it prevents the lifter from turning.

It will be seen that a lid or plate constructed in accordance with my invention can be readily molded, the pattern leaving the sand freely, and no such skill being required as in molding a lid with an undercut groove. Moreover, the space in the mold for the formation of the stud *b* is of such dimensions that the metal will freely enter the same, and loss on account of defective castings is thus materially reduced.

I claim as my invention—

A stove lid or plate having therein a recess, *a*, with a vertically-projecting stud, *b*, adapted for the reception of a socketed lifter, substantially as set forth.

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

ROBERT P. PEARSON.

Witnesses:

HARRY DRURY,
HARRY SMITH.