UNITED STATES PATENT OFFICE.

GEORGE L. STRAIT, OF WINSTED, CONNECTICUT.

STOVE-LID LIFTER.

1,238,593.


To all whom it may concern:

Be it known that I, GEORGE L. STRAIT, a citizen of the United States, residing at Winsted, in the county of Litchfield and State of Connecticut, have invented certain useful Improvements in Stove-Lid Lifters, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to improvements in stove lid lifters, one object of the invention being the provision of a device of this character having spaced lip engaging members with a normal tendency to move toward each other, and having a wedging means disposed between the terminals, which, when the terminals are placed into engagement with the socket of the lid and the weight of the lid is thrown upon the terminals and the wedge, such wedging device will cause the terminals to be spread apart and held apart as long as the weight is thrown thereon, thus forming connection between the holder and the lid.

A further object of this invention is the provision of a device of this character which is simple, durable and inexpensive in construction and which is thoroughly efficient and practical in use.

In the accompanying drawings:

Figure 1 is a side elevation of the complete device showing the wedge in the position it assumes when at rest.

Figure 2 is an enlarged detail sectional view through the socket portion of the stove lid showing the parts in the position they assume when the weight of the lid is thrust thereupon.

Figure 3 is a bottom plan view of the lid engaging end of the lifter.

Figure 4 is a longitudinal sectional view thereof.

Figure 5 is a top plan view.

Figure 6 is a perspective view of the wedge per se.

Referring to the drawings, the numeral 10 designates the shank of the lifter which has attached thereto the usual coiled wire handle, and which is forked at the lid engaging end.

The two ends or terminals 12 of the shank are separated by a longitudinal slot 13, and are flattened and curved at their extremities, as at 14, the flat ends being reduced at 15 for engagement beneath the top wall or lugs of the socket in a stove lid. The inner lower face of each end 12 is inclined or beveled to provide wedge engaging faces 16, and pivoted between these fork ends 12, on a pin 17, is a wedge arm 18.

The wedge is thus held so that it will move into engagement with the inclined faces of the lid engaging terminals when such terminals are projected into the socket 19 of the lid 20 when the weight of such lid 65 is thrown upon the lifter, the wedge engaging the bottom of the socket and being forced between the terminals to separate such terminals and place them into engagement with the lugs 21.

To release the present lifter, it is merely necessary to place the lid in position upon the stove or upon a flat surface and tilt the handle forwardly over the lid, at which time the wedge will move from engagement between the terminals and permit the terminals to contract.

What I claim as new is:

In a device of the class described, the combination of a handle having a shank, the forward end of said shank flaring short of its outer end and having its outermost end substantially rectangular, the main length of said shank being curved in angular relation to its rectangular end and the bottom side of its rectangular end being substantially flat, said shank being provided with a longitudinal slot of uniform width, and the edges at the end of said shank being flared in conformity to the flared portion of the shank and also converging away from the said flared portion toward the extreme forward end of the shank, the converging edges of said slot being inclined in opposite directions to form wedge shaped walls, and an arm having its main portion pivoted in said slot at the inner end of said shank and provided with a stop shoulder, said shank having a recess forming a shoulder against which the shoulder of the arm abuts, said...
arm curving substantially in the same direction as said shank and having an intermediate flaring portion and terminal tapering portion adapted to fit the flaring edges of said slot, the terminal tapering portion of said arm being triangular or wedge shaped and adapted to move so as to engage the said wedge shaped walls so that its toe projects below the plane of the flat sides of said shank.

In testimony whereof I affix my signature.

GEORGE L. STRAIT.

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