J. L. DICKINSON,
FURNACE DOOR HANDLE.
APPLICATION FILED MAR. 8, 1917.


Inventor
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Witness

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FURNACE-DOOR HANDLE.

1,254,315.


To all whom it may concern:  

Be it known that I, JAMES L. DICKINSON, a citizen of the United States, residing at Centralia, in the county of Marion and State of Illinois, have invented certain new and useful Improvements in Furnace-Door Handles; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to furnace doors and more particularly to those whose handles are placed and so constructed that they will be away from the heat of the furnace.

The object of this invention is to provide a handle that will be laterally offset and far enough away from the furnace door so that the heat will not burn the hand of the person attending the furnace.

Another object is to form a handle from a combination of wood or some other non-heat conducting material and metal, so that the part grasped by the hand will be constructed of the said non-heat conducting material.

With these and other objects in view, the invention resides in the novel features of construction, combination and arrangement of parts which will be more particularly described and claimed, and shown in the drawings wherein;

Fig. 1 is a front elevation of a furnace door, with the handle applied;

Fig. 2 is a horizontal section on the line 2—2 of Fig. 1;

Fig. 3 is a detail section on an enlarged scale approximately on the line 3—3 of Fig. 2; and

Fig. 4 is a detail perspective view of the link.

In the accompanying drawings where-in similar reference characters are used throughout the several views to designate corresponding parts, the door 1 is provided with the usual type of hinges 2, knob 4 and catch 3. The attachment consists of a tubing 5 and a metal rod 6 which is threaded at one end and passes through said tubing.

A hole 6' is made transversely through the knob 4 and the tubing is placed in alinement with said hole and the rod 6 passed through said tubing and knob. On the threaded end of the rod 6 is placed an approximately rectangular-shaped link member 8, being offset from the door and held in place by a nut 9. Said link member has a hole near each of its ends.

A handle member 10 of non-heat conducting material is provided with a hole arranged lengthwise therein and adapted to receive a bolt or screw 11, said bolt or screw having an eye 12 formed on one end of it and passing through the hole in the outer end of said rectangular-shaped link member 8.

The fact that the handle is laterally offset from the door opening protects the hand of the person from the outrush of heat on opening the furnace door. Also the insulated or non-heat conducting handle protects the hand of the person from being burned by the heat conducted through the furnace door.

From the foregoing description of the construction and operation of my improved handle for furnace doors, the manner of applying the same to use and the operation thereof will be readily understood, and it will be seen that I have provided a simple and efficient device of this character for carrying out the objects of the invention. It is to be understood, however, that numerous changes in the details of construction may be resorted to without departing from the spirit of this invention or sacrificing any of the advantages thereof.

I claim:

In a device of the character described a furnace door, a knob on said door, said knob having an opening transversely therethrough, an arm passing through said opening, a sleeve carried by said arm, the inner end thereof abutting said knob, a link member having an opening in each of its ends, a handle of non-heat conducting material connected through one of said openings with said link member, the other of said openings passing over the outer end of said arm and abutting the outer end of said sleeve, a nut holding said link and said sleeve on said arm.

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

JAMES L. DICKINSON.

Witnesses:

NINA B. SHANKLIN,
W. D. GERRIT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D.C."