

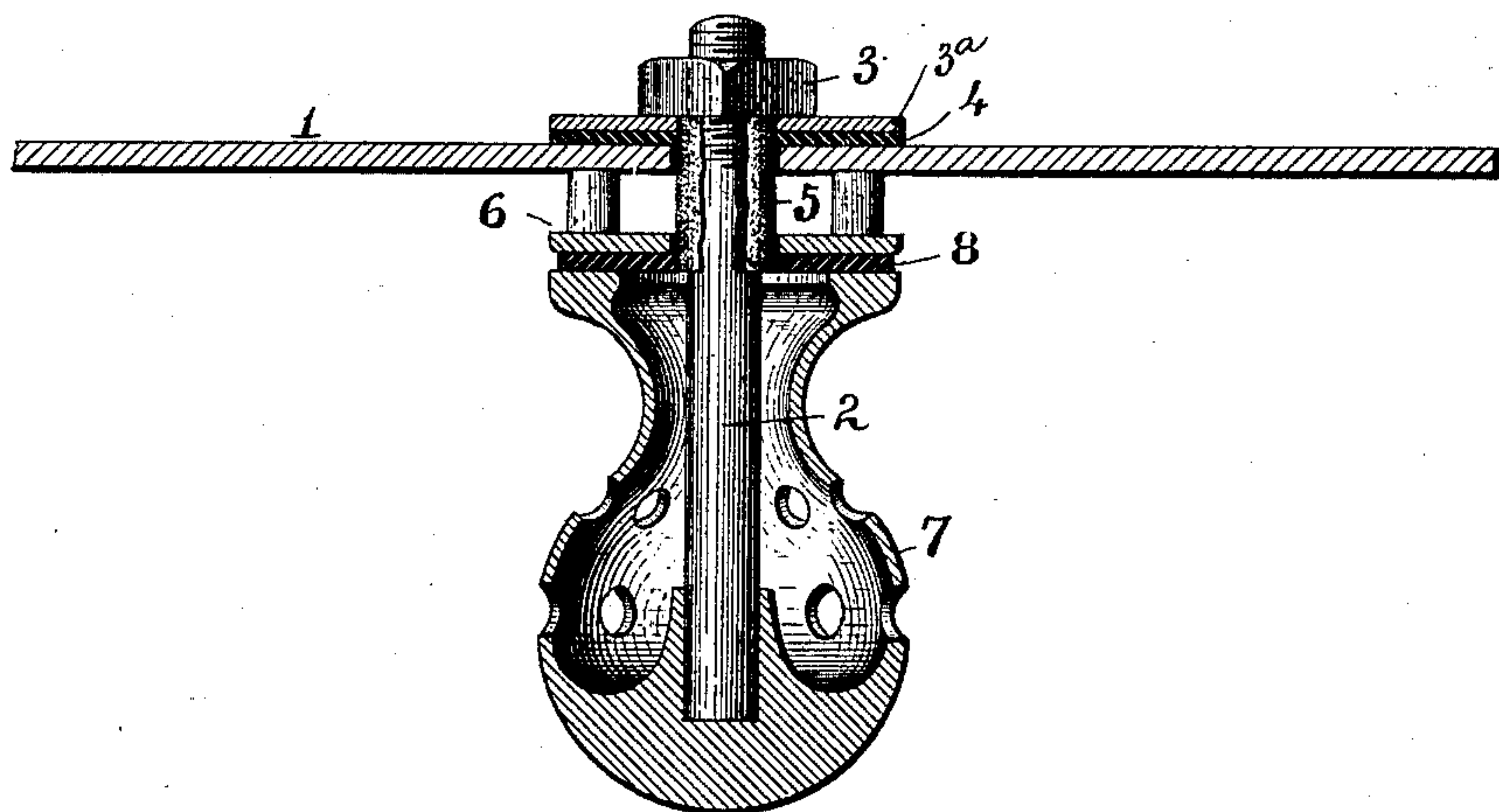
(No Model.)

J. G. WHITLOCK.

STOVE DOOR HANDLE.

No. 338,456.

Patented Mar. 23, 1886.



ATTEST.

*J. Henry Kaiser.*  
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# UNITED STATES PATENT OFFICE.

JAMES G. WHITLOCK, OF RICHMOND, VIRGINIA.

## STOVE-DOOR HANDLE.

SPECIFICATION forming part of Letters Patent No. 338,456, dated March 23, 1886.

Application filed March 17, 1885. Serial No. 159,217. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES G. WHITLOCK, a citizen of the United States, residing at Richmond, in the county of Henrico and State of Virginia, have invented certain new and useful Improvements in Stove-Door Handles, of which the following is a specification.

My invention relates to an improved construction of handles for stove, range, heater, and furnace doors, and for use in other places where it is especially desirable to prevent or lessen the conduction of heat to the handle proper from the part to which it is fixed.

In Letters Patent No. 312,940, granted to me February 24, 1885, I have described a mode of preventing the conduction of heat from a stove-door to the handle thereof by forming the handle proper with a central bore larger in diameter than the metallic stem which passes through it, and applying packings of asbestos between the inner face of the handle proper and the stove-door and between the outer face of the handle and the head of the attaching screw-stem. Such construction, therefore, as I have shown, described, and claimed in said patent I do not claim in this application, though I embody the packing between the inner face of the handle proper and the door in my improvements.

My present invention is an improved construction of handle attachments, whereby the handle may be more rigidly and securely fixed to the stove-door, while any injurious conduction of heat to the handle is effectually prevented. This improvement is particularly applicable to ordinary heating and cooking stoves for domestic use.

My improvements consist in the construction hereinafter described, and pointed out in the claims.

A more elaborate and effective construction, applicable to stoves and furnaces where greater heat is to be provided against, I have made the subject of application, Serial No. 159,216, for Letters Patent of even date herewith, (March 17, 1885,) in which I show, describe, and claim improvements in which I embody, as part of the construction, the packing between the inner face of the handle proper and the door a metallic shield made of hollow or skeleton form, a wrapping of asbestos around the stem within and in front of the door, and a washer

of asbestos around the stem on the inside of the door. Such improvements in said application I do not therefore claim in this application, though the other application necessarily embodies features claimed in said patent and the present case.

It will therefore be seen that the patent referred to relates to the separation of the handle proper from the stem and outside of the door.

The present application relates to the separation of the stem from the inside and the outside of the door, and the handle proper from the outside of the door.

The other application referred to relates to the separation of the inner end of the stem and the nut by an envelope, a protector for the envelope, and the separation of a separable handle.

The accompanying drawing is a longitudinal section of a portion of a stove-door and its attachments, illustrating my invention.

1 represents a portion of a stove-door; 2, the handle-stem, and 3 the nut by which the said stem is secured to the door. Between the nut and the interior of the stove-door I interpose a plate, 3<sup>a</sup>, and a washer, 4, of asbestos, to prevent or lessen the conduction of heat. I also employ a wrapping, 5, of asbestos, around the handle-stem within and in front of the stove-door.

6 represents a metallic shield, made of hollow or skeleton form, to permit the circulation of air. The handle 7 is formed of wood, metal, or other material. If of metal, it is made hollow, and perforated to allow the circulation of air. It is securely fixed in any customary manner to the handle-stem 2, and is firmly clamped by the action of the screw-nut 3 upon a washer, 8, of asbestos, interposed between the base of said handle 7 and the metallic shield 6, to prevent the conduction of heat from one to the other.

The skeleton shield 6 may, if preferred, be made in one piece with the base of the handle 7.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. The combination of a handle, 7, stem 2, nut 3, metallic insulating-shield 6, and asbestos shield or washer 8, substantially as set forth.

2. The combination of a handle, 7, stem 2,



nut 3, and wrapping 5, of asbestos, substantially as set forth.

3. The combination of a handle, 7, stem 2, nut 3, and washer 4, of asbestos, substantially  
5 as set forth.

4. The combination of a handle, 7, stem 2, nut 3, washer 4, of asbestos, and plate 3<sup>a</sup>, substantially as set forth.

5. The combination of a handle, 7, stem 2,  
10 nut 3, washer 4, of asbestos, and wrapping 5, of asbestos, substantially as set forth.

6. The combination of the handle 7, handle-

stem 2, nut 3, non-conducting asbestos shields 4 and 8, and the metallic insulating-shield 6, as shown and described.

7. The combination of the handle 7, handle-  
stem 2, nut 3, non-conducting asbestos shields 4 and 8, asbestos wrapping 5, and the metallic  
insulating-shield 6, as shown and described.

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JAMES G. WHITLOCK.

Witnesses:

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