J. U. MUELLER.

Handle for Stoves.

No. 58,279. Patented Sept. 25, 1866.

Fig. 1.

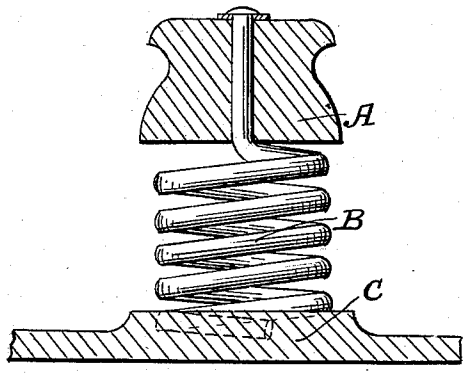


Fig. 5.

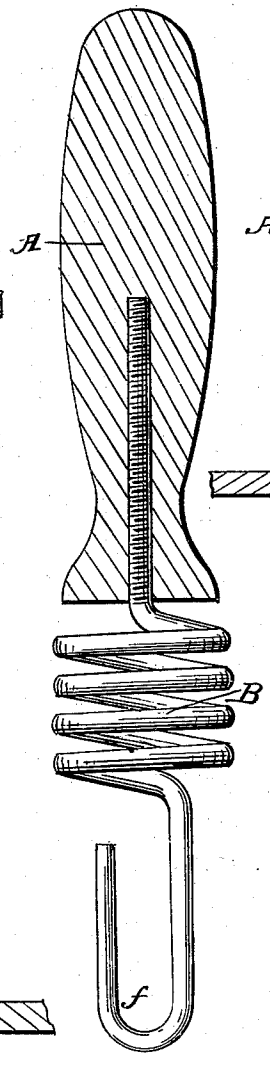


Fig. 3.

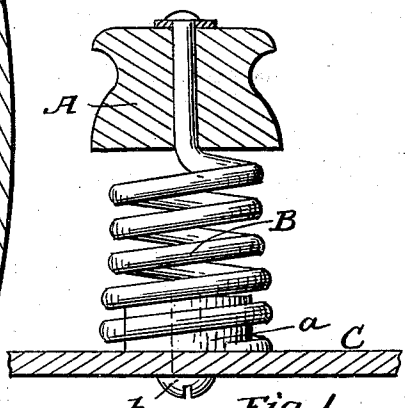


Fig. 4.

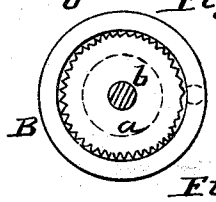


Fig. 2.

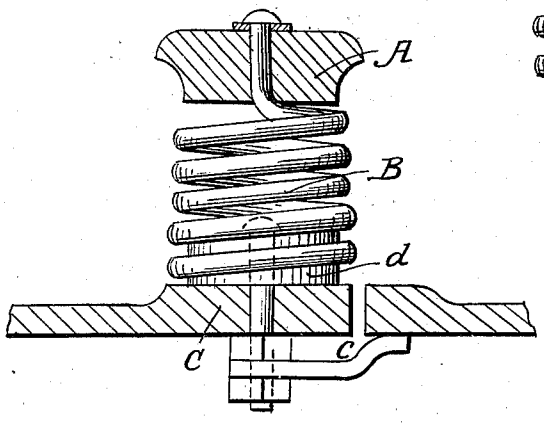
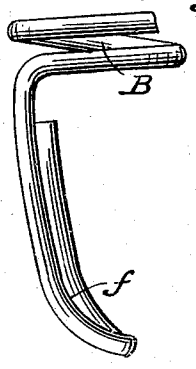


Fig. 6.



Witnesses:

W Bruce

Karl Nider

Inventor:

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UNITED STATES PATENT OFFICE.

J. U. MUELLER, OF DETROIT, MICHIGAN.

IMPROVEMENT IN HANDLES FOR STOVES.

Specification forming part of Letters Patent No. **58,279**, dated September 25, 1866.

To all whom it may concern:

Be it known that I, J. U. MUELLER, of Detroit, county of Wayne, and State of Michigan, have invented a new and Improved Handle for Stoves; and I do hereby declare that the following is a full, clear, and exact description thereof, enabling those skilled in the art to fully understand and use the same, reference being had to the accompanying drawings, in which—

Figure 1 represents a sectional side elevation of my improved handle for the door or other part of a stove, which is permanently attached to the same. Figs. 2 and 3 are modifications of the same. Fig. 4 is a transverse section of the handle shown in Fig. 3.

Similar letters of reference indicate corresponding parts.

This invention consists in a handle for doors of stoves or furnaces, which is made of wood or other bad conductor of heat, and fastened to one end of a coil of metal wire, the other end of which is either permanently secured to the door of stoves in such a manner that by the metal coil a sufficient quantity of heat is radiated to prevent the handle from being charred or overheated, and the door can be opened at all times without danger of burning the fingers.

One mode of attachment consists in combining a serrated disk with the spiral handle, and door in such a manner that by means of said serrated disk the operation of securing the handle to the door is facilitated.

A represents a handle made of wood or other suitable bad conductor of heat. This handle is secured to one end of a coil, B, of stout wire, of galvanized iron or other suitable metal, the other end of which is permanently connected to the door C of a stove, as shown in Figs. 1, 2, and 3.

The operation of attaching the handle to the coil may be effected in various ways—either by riveting, as shown in Figs. 1, 2, and 3, or by screwing the shank in the handle, or in any suitable manner; and the opposite end of the coil may be secured to the door by casting it into the same, as shown in Fig. 1, or a serrated disk, *a*, may be driven in the coil and fastened to the door by a screw, *b*, as shown in Figs. 3 and 4. If the door is to be provided with a catch, *c*, as shown in Fig. 2, said catch is secured to a disk, *d*, which is driven or otherwise fastened in the coil B.

The advantages of my handle are: If the handles of stoves are made of wood, the heat of the stove chars the same in a short time and causes them to become detached from their fastening. All these disadvantages are avoided by my handles. By the coil which intervenes between the heated door and the handle a sufficient quantity of heat radiates or escapes before it reaches said handle, and all danger of overheating or charring the same is avoided.

My handle can be made cheap, it can be readily attached to any stove, and it has proved to be a great desideratum for housekeepers.

My handle may also be applied to furnace-doors of steam-boilers, where it is of peculiar advantage, since it enables the fireman to open the fire-door without the aid of a hook, and much trouble and expense in repairs are saved.

The V-shaped hook of my lifter can be readily adapted to covers of any description.

What I claim as new, and desire to secure by Letters Patent, is—

In stoves, a handle made of wood or other bad conductor of heat, and secured to one end of a radiating-coil, the other end being connected to the door of a stove, all substantially as herein shown and described.

J. U. MUELLER.

Witnesses:

JULIUS STOLL,

HENRY GRÜNEWALD.