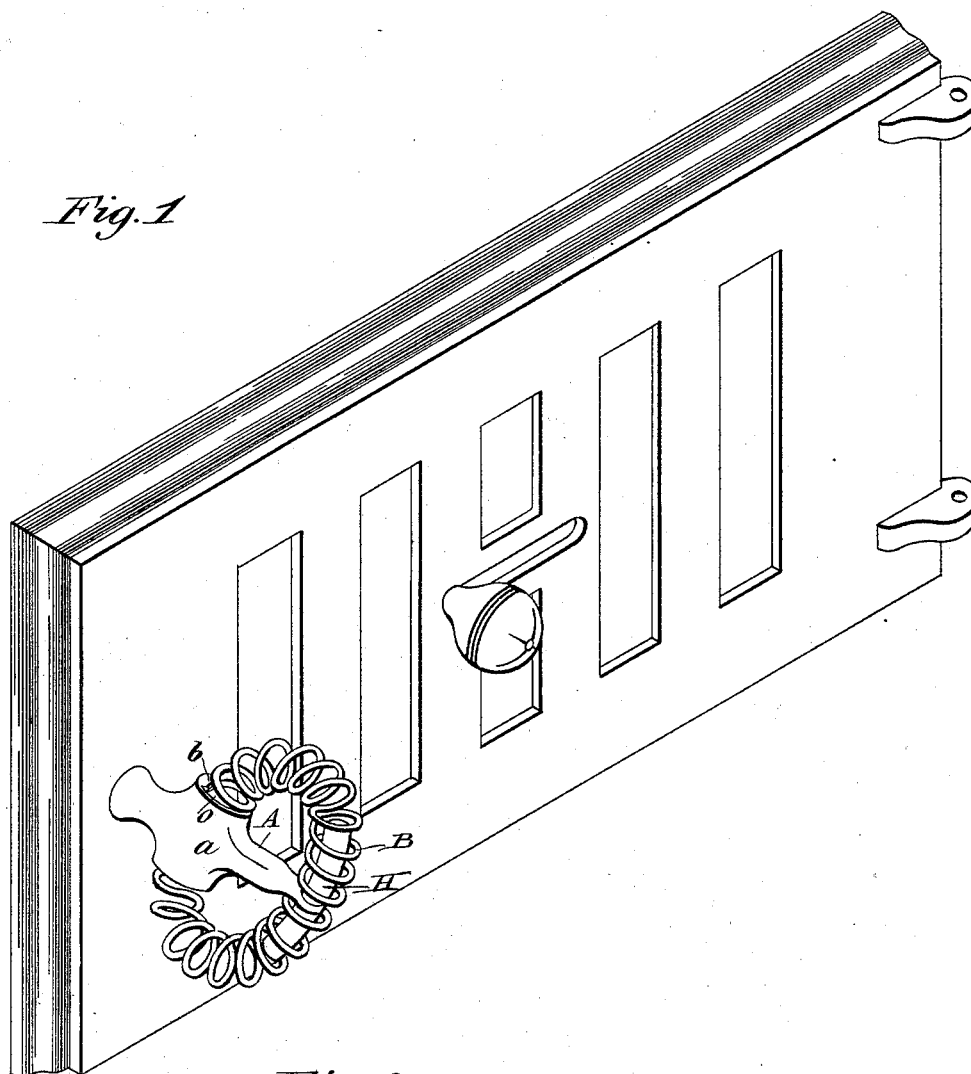


(No Model.)

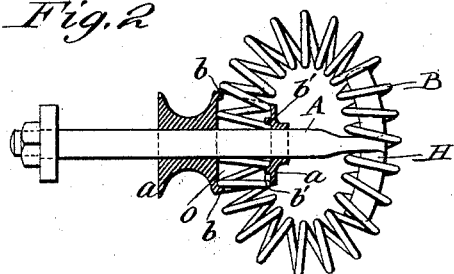
F. O. FARWELL.  
NON CONDUCTING HANDLE.

No. 524,708.

Patented Aug. 21, 1894.



*Fig. 2*



*Witnesses;*

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Francis L. Iyer

*Inventor*

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by Monroe M. Catz  
Atty.

# UNITED STATES PATENT OFFICE.

FAY O. FARWELL, OF DUBUQUE, IOWA, ASSIGNOR OF ONE-HALF TO THE  
ADAMS COMPANY, OF SAME PLACE.

## NON-CONDUCTING HANDLE.

SPECIFICATION forming part of Letters Patent No. 524,708, dated August 21, 1894.

Application filed June 7, 1894. Serial No. 513,817. (No model.)

*To all whom it may concern:*

Be it known that I, FAY O. FARWELL, a citizen of the United States, residing at Dubuque, in the county of Dubuque and State of Iowa, have invented certain new and useful Improvements in Non-Conducting Handles; and I do hereby 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.

My invention relates to handles, with more special reference to what is known as "cold handles," to be used in connection with stove doors, &c., where they are subjected to a considerable amount of heat, and it has for its object, to provide a handle which shall present a neat and attractive appearance, is easily and simply constructed, and sufficiently stiff to resist all pressure upon it while it is being operated, and which shall be sufficiently cool for the grasp of the hand in operating the same.

For the better understanding of my device and its mode of operation, attention is called to the following description and the accompanying drawings forming a part hereof, in which—

Figure 1. is a perspective of my device with the handle attached to a stove door. Fig. 2. is a part plan view and part section of the stem of the handle.

Like letters denote corresponding parts in both the drawings.

The handle constructed after my device is essentially of two parts—the stem A, and the coil wire B. The stem A, is provided at its outer end with a cross-arm H, which, with the other part of the stem, forms a "T" at the outer end of the stem. The object of the cross-arm H, is to provide a stiffening for the coil wire, so that when pressure is put upon the opposite sides of the wire, in the operation of opening and closing the door, there will be no tendency to wrench the wire from its fastenings, and by this mode of construction, the handle is made stiff and still retains its non-conductive properties of heat. At a short distance from its ends, is an enlargement a, a, with openings or sockets o, o, in its

opposite sides, adapted to receive and secure the outer ends of the coiled wire B. This enlargement may be cast upon the stem as shown in Fig. 1, or it may be cast in the shape of a sleeve with a hole through its center, through which the stem may be passed, and within which the stem may be secured. On the under side of the sockets o, o, are cast small projections b, b, b' b' with which the free ends of the coiled wire B, engage and are securely held within the sockets, o, o, within the enlargement, where they will not be liable to get loose or catch upon the hand in operating the same.

The mode of uniting the parts and operating the same is as follows: The wire B, is first loosely coiled upon the cross-arm H, extending at an equal distance on each side of the stem A. The ends of the wire are then bent around and inserted in the sockets o, o, over the lug b, on the lower side and resting against the lug b' on the upper side, thus holding the wire in a circular or elliptical shape and giving a large surface for the grasp of the hand and sufficient stiffness to the wire to prevent it from being disengaged from the lugs within the sockets o, o.

Having thus described my invention, what I desire to secure by Letters Patent is—

1. In a non-conducting handle, a stem provided with a "T" shaped head H, and sockets o, o, in combination with a coiled wire encircling said head, the ends of the wire being secured within the sockets o, o, as and for the purposes shown.

2. A non-conducting handle, consisting of a stem with a "T" shaped head and a sleeve or enlargement on the stem, in combination with a wire loosely coiled upon said head and bent into a circular or elliptical form, with the ends of said wire secured to or within the sleeve or enlargement on the stem, as and for the purposes shown.

In testimony whereof I affix my signature in presence of two witnesses.

FAY O. FARWELL.

Witnesses:

M. M. CADY,  
J. BROWN.