

(No Model.)

G. JACKSON.
HANDLE.

No. 508,223.

Patented Nov. 7, 1893.

Fig. 1.

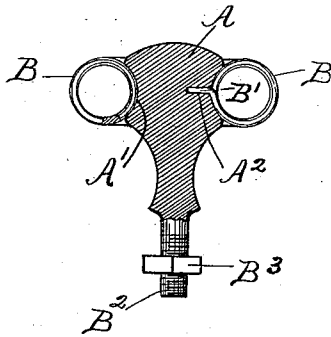


Fig. 2.

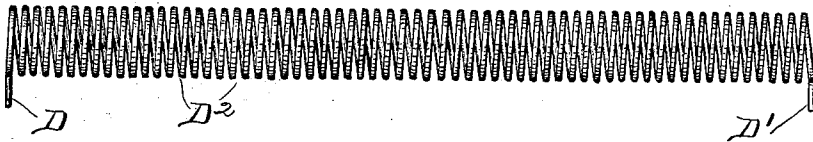
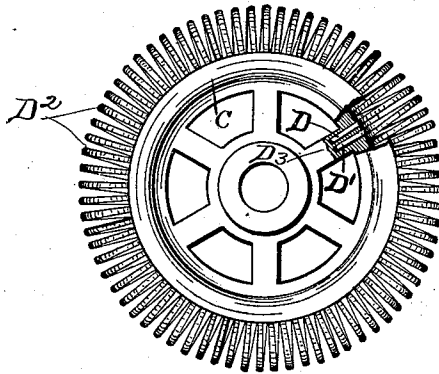


Fig. 3.



Witnesses:
A. E. Delaney
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UNITED STATES PATENT OFFICE.

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NEW YORK.

HANDLE.

SPECIFICATION forming part of Letters Patent No. 508,223, dated November 7, 1893.

Application filed June 22, 1893. Serial No. 478,449. (No model.)

To all whom it may concern:

Be it known that I, GEORGE JACKSON, a citizen of the United States, residing at Cohoes, county of Albany, and State of New York, have invented certain new and useful Improvements in Handles, of which the following is a specification.

My invention relates to such improvements and consists of the novel construction and combination of parts hereinafter described and subsequently claimed.

Reference may be had to the accompanying drawings, and the letters of reference marked thereon, which form a part of this specification.

Similar letters refer to similar parts in the several figures therein.

Figure 1 of the drawings is a central longitudinal section of my improved handle. Fig. 2 is a plan view of the spiral coil of wire with its axial line extended in a straight line and the ends of the wire bent at right angles to the axial line so as to extend beyond the periphery of the coil. Fig. 3 is a plan view of the outer end of a valve-handle showing my improvement, and having a portion of the solid rim broken away to show the peripheral groove and sockets in the wall of the groove containing the bent ends of a wire coil seated in such groove.

My invention relates more particularly to rotary handles employed in connection with artificially heated objects, such as stoves and steam-valves; and consists in providing a knob or circular head with a peripheral groove having sockets in the groove-wall adapted to receive the ends of a wire, and inclosing the knob or head with a wire-coil bent around the same and secured in the peripheral groove by inserting the ends of the coil in the sockets in the groove-wall.

The object of my invention is to provide a handle for artificially heated objects that will freely and rapidly radiate the heat conducted thereto from the heated object; and also afford a convenient means for facilitating the grasp upon the handle and preventing the hand from slipping thereon when in use.

The radiating property of wire coils is well known and numerous forms of handles have been used in connection with heated objects

in which that portion grasped by the hand comprised coiled wire.

I have ascertained that by providing the head of the handle with a peripheral groove and inclosing the head with a coil of wire inserted and fastened in the groove, I not only secure all the advantages of rapid radiation of heat, but the planes formed by the individual coils or turns of wire being approximately radial to the axis of rotation, the individual coils offer much greater resistance to any slipping movement of the hand than the smooth surfaces heretofore in use.

Referring to the drawings, A— is the head of a knob or handle provided with a peripheral groove A'— and a socket A²— in the wall of the groove.

B— is a wire coil which incloses the head, being seated in the peripheral groove. The coil is held in place within the groove by inserting the ends, one only B'— being shown in Fig. 1, within the socket. The head is provided with the screw-threaded attaching-shank B²— and nut B³ by which it can be secured to certain objects, as for example, a stove-door. The firm grasp obtainable upon the wire-coil makes it possible to screw the shank by hand so firmly into the nut as to maintain the handle upon the door without danger of working loose.

In Fig. 3 I have shown the usual form of handle used in connection with steam-valves, a portion of the head-rim C— being broken away to show the peripheral groove formed therein, and both ends D—, D'— of the coil inserted in their respective securing sockets in the rim or groove-wall. The sockets may extend down through the rim proper into one of the spokes D³—, as shown, to make the fastening more secure.

In putting on the wire coil, it is only necessary to insert the two bent ends of the coil in their sockets, and then spring or stretch the coil sufficiently to force it over one of the edge-walls of the peripheral groove into the groove, the coil being made of the proper length so that the resilient force of the coil will draw it down firmly into the groove and hold it there.

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

1. In a knob or handle, the combination with a peripherally grooved head, of a head-inclosing wire coil seated in the peripheral groove of the head, substantially as described.
- 5 2. In a knob or handle, the combination with a head having a peripheral groove, and sockets in the wall of such groove, of a head-inclosing wire coil seated in such groove and having the ends of the wire bent and inserted
- 10 in the sockets in the groove-wall, substantially as described.

3. As a new article of manufacture, a knob comprising a peripherally grooved head, a head-inclosing wire coil seated in the head-groove, and an attaching-shank, substantially 15 as described.

In testimony whereof I have hereunto set my hand this 21st day of June, 1893.

GEO. JACKSON.

Witnesses:

FRANK C. CURTIS,
GEO. A. MOSHER.