(No Model.)

D. M. IRELAND.

BAR KNOB.

No. 343,815. Patented June 15, 1886.

Fig. 1

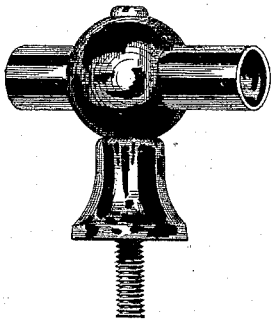


Fig. 2.

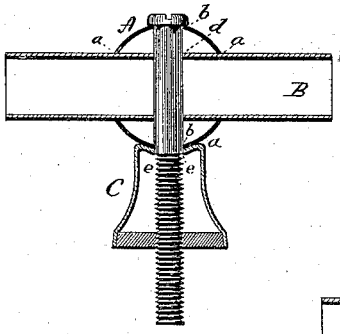


Fig. 3

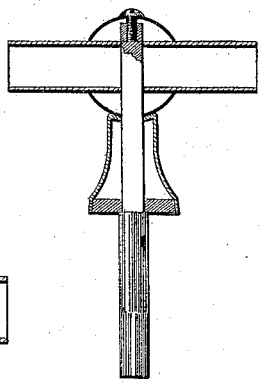
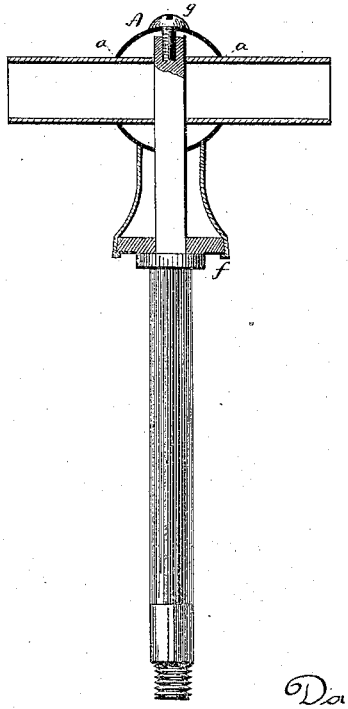


Fig. 4



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DAVID M. IRELAND, OF WATERBURY, CONNECTICUT, ASSIGNOR OF ONE-HALF TO HENRY A. MATTHEWS, OF SAME PLACE.

BAR-KNOB.

SPECIFICATION forming part of Letters Patent No. 343,815, dated June 15, 1886.

Application filed December 28, 1885. Serial No. 186,854. (No model.)

To all whom it may concern:

Be it known that I, DAVID M. IRELAND, of Waterbury, in the county of New Haven and State of Connecticut, have invented new Improvements in Bar-Knobs; and I do hereby declare the following, when taken in connection with accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view of the knob with screw-shank for rigid attachment; Fig. 2, a vertical section of same; Figs. 3 and 4, modification with angular shank for latches, turn-buckles, &c.

This invention relates to an improvement in that class of metal knobs in which the handle is in the form of a bar, and are commonly called "bar knobs" or "handles," and while particularly adapted for stoves, it is equally applicable to other purposes.

The object of this invention is to produce a knob cheap in construction, and with a handle which is not liable to become heated; and it consists of a hollow sphere or body through which a tubular bar extends diametrically, and a base upon which the body rests, the parts secured together by a shank extending through them, the said shank adapted either to secure the knob directly to the door or to extend through the door and turn a button or lock on the inside.

A represents the body of the knob, preferably of spherical shape, and constructed from sheet metal, with openings *a a* diametrically opposite each other, and with openings *b b* in the same plane as and at right angles to the openings *a a*.

B is a tubular bar, preferably a piece of metal tubing cut to proper length and adapted to extend through the openings *a a* in the body A, and constructed with openings *d d*, corresponding to the openings *b b* in the body A.

C is the base, of any desired shape, preferably constructed with a recess at its outer end, in which the body may rest, and with an opening, *e*, corresponding to the openings *b b* in the body and *d d* in the bar, so as to form a continuous passage through the parts.

D is a shank adapted to pass through the parts, and constructed with a head to bear upon the outside of the body, and screw-threaded at its inner end to engage with a nut, *d'*, to bind the parts together, the said nut adapted to set flush into the base C.

The above-described knob, as shown in Figs. 1 and 2, is particularly adapted for use where the knob is to remain stationary, as upon some classes of stove-doors, on drawer-fronts, &c. When required to turn a button or latch on the inside of the door, the shank D is polygonal shape at its ends, and the openings *b d e* of corresponding shape, and the shank is constructed with a shoulder, *f*, upon which the base may rest, and with a screw-threaded hole in the outer end, into which a screw, *g*, may be turned to bind the parts together, as seen in Figs. 3 and 4.

This construction is strong, simple, and cheap, and provides a handle through which air may freely circulate to prevent its heating when used for stove-doors and like purposes.

I claim—

1. The combination of a base, a body adapted to rest on said base, a tubular bar diametrically through said body and at right angles to the axis of the base, with a shank extending through said base, body, and bar, substantially as described, and by which said shank the said parts are secured together.

2. The combination of the body A, tubular bar B, extending diametrically through said body, and base C, with the shank D, constructed with polygonal-shaped ends and with a shoulder, *f*, upon which the base rests, its outer end constructed to receive a screw, *g*, whereby the parts are held together, substantially as described.

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