

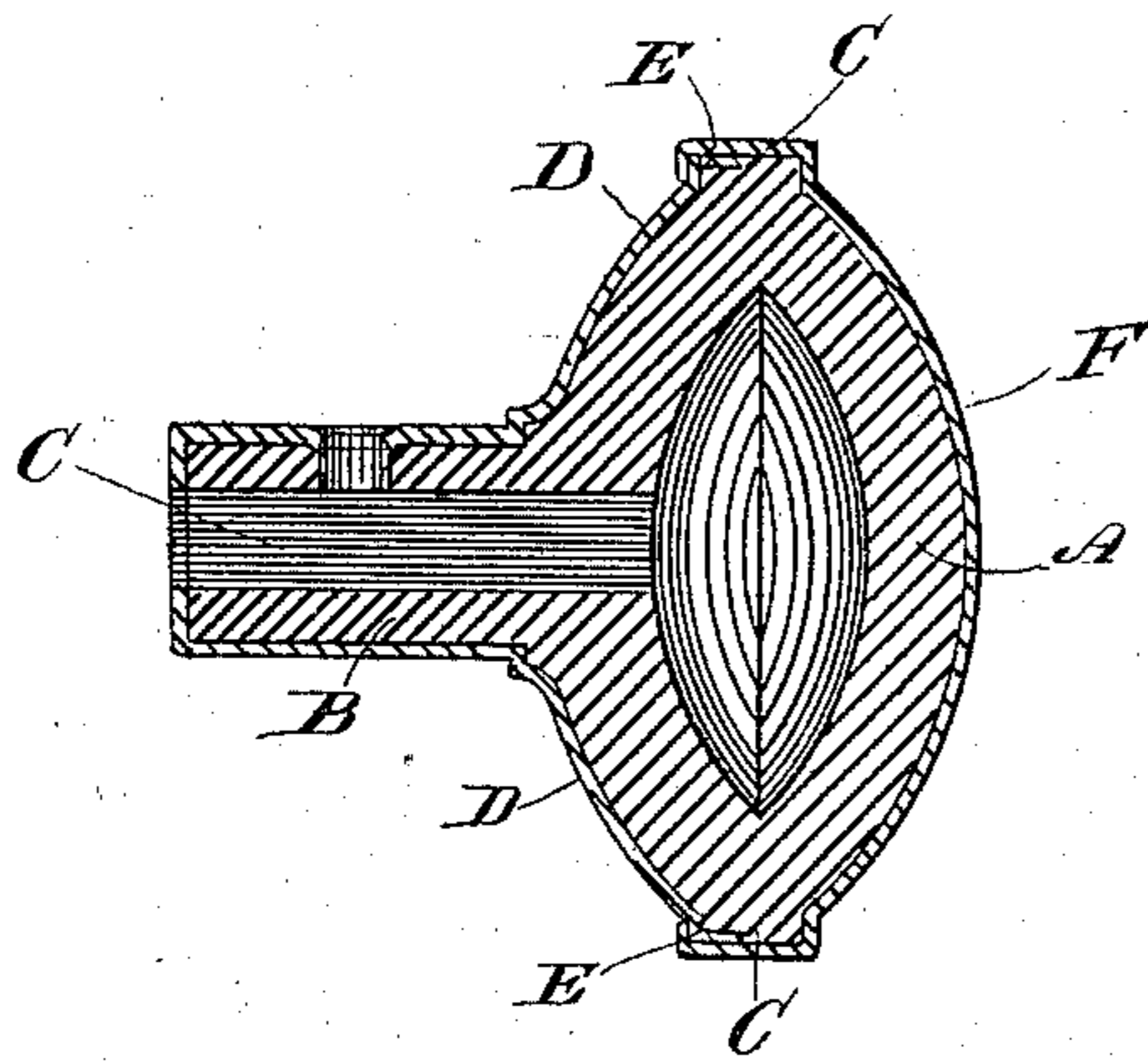
(No Model.)

W. I. ALVORD.

MANUFACTURE OF DOOR KNOBS.

No. 305,558.

Patented Sept. 23, 1884.



Witnesses  
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# UNITED STATES PATENT OFFICE.

WILLISTON I. ALVORD, OF BRIDGEPORT, CONNECTICUT.

## MANUFACTURE OF DOOR-KNOBS.

SPECIFICATION forming part of Letters Patent No. 305,558, dated September 23, 1884.

Application filed February 4, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, WILLISTON I. ALVORD, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Door-Knobs; 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 certain novel and useful improvements in door-knobs, and has for its object to provide a knob which shall be equal in appearance and durability to the expensive metal knobs now used, but which are less expensive; and with these ends in view my invention consists in the details of construction and combination of elements, hereinafter fully described, and then specifically designated by the claim.

In order that those skilled in the art to which my invention appertains may understand more fully its construction and adaptation, I will proceed to describe the same, referring by letter to the accompanying drawing, which shows a central longitudinal section of a knob constructed in accordance with my improvement.

A is a knob, cast from iron, and made hollow by means of a coring, if desired, and having a shank, B, cast integral therewith. This shank is hollow, so as to receive the ordinary spindle.

C is a flange extending around the central periphery of the knob, and D a sheath or casing adapted to envelop the shank and the rear portion of the knob. This sheath has an annular recess, E, within which the inner portion of the flange rests.

F is a cap conformed to the exterior contour of the front of the knob, and adapted to be

placed thereover, so that the inner edge of said cap extends beyond the annular recess in the sheath, for the purpose presently explained.

In assembling the several parts of my improvement I place the sheath over the shank and rear portion of the knob, and then over the front of the knob place the cap and spin or bead the inner edge of said cap underneath and around the shoulder of the annular recess in the sheath, so that it will be readily understood that the cap and sheath will be firmly secured to the body of the knob.

I am aware that sheet-metal door-knobs have heretofore been made and filled with plaster, cement, &c., to preserve the shell of the casing from indentation, and I do not wish to be understood as claiming any such construction, the gist of my invention resting in a single form or body of a knob enveloped in a sheet-metal casing.

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

The method herein described of making door-knobs, the same consisting in forming the body and shank of the knob of a single casting, with a flange extending around the central periphery of said knob, and then adapting a sheet-metal sheath and cap over the rear and front portions, respectively, of the knob, and securing the several parts firmly together by turning the inner edge of the cap underneath the flange and against the sheath, substantially as set forth.

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

WILLISTON I. ALVORD.

Witnesses:

S. S. WILLIAMSON,  
W. T. HAVILAND.