S. S. Day,

Knob Rose.

No. 18,537. Patented Nov. 3, 1857.

Fig. 1.

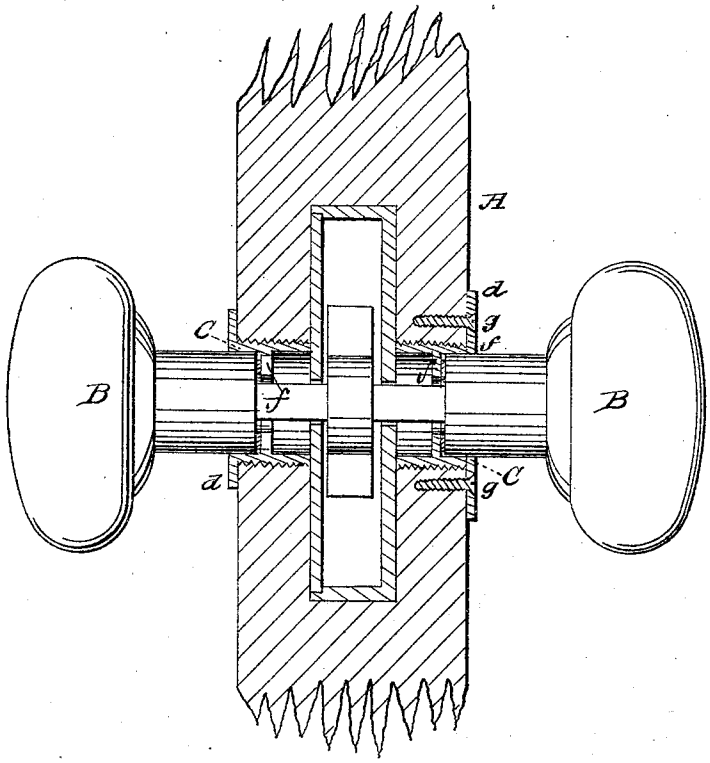


Fig. 2.

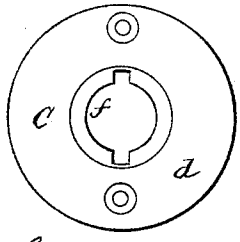
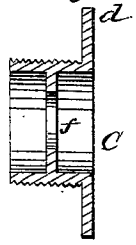


Fig. 3.



Witnesses

John Crumly

Thos P Howe

Inventor

S S Day

UNITED STATES PATENT OFFICE.

SAMUEL S. DAY, OF NEW YORK, N. Y.

ROSE FOR DOOR-KNOBS.

Specification of Letters Patent No. 18,537, dated November 3, 1857.

To all whom it may concern:

Be it known that I, SAMUEL S. DAY, of the city, county, and State of New York, have invented an Improvement in Roses or Sockets for Door-Knobs, the construction and operation of which I have described in the following specification and illustrated in the accompanying drawings with sufficient clearness to enable competent and skilful workmen in the arts to which it pertains or is most nearly allied to make and use my invention.

Roses or sockets as usually made to receive the shanks of door knobs, are plain on the side next the door, and are fastened in place with common wood screws, the flange which forms the bearing for the shank of the knob being raised, or extending outward from the disk. The hold upon the wood of the screws which hold these roses is necessarily so small that the continued wrenchings to which the knobs are subjected and which are transmitted by them to the rose, are apt to work them loose, and thus mar the beauty and interfere with the action of the parts. To obviate this difficulty in part, roses for door knobs have been made with a threaded flange which was screwed into an enlargement of the hole which admits the shaft of the door knob, and to this a plate is attached which has an outwardly projecting flange to receive and support the shank of the knob. Its construction however does not admit the shank into the door and there is no device or means by which it can be driven home to its place with any reasonable convenience and celerity.

My said invention consists in combining with the said flange above mentioned and a disk flange which fits against the side of the door, an inwardly projecting slotted flange placed within the threaded flange which enters the door in such a manner as to form within the door an end bearing for the shank of the knob and at the same time to furnish a convenient means of driving the threaded flange home to its place, as hereinafter more fully set forth.

In the accompanying drawings, Figure 1 is an elevation showing a section of a part of a door stile, and my improved rose set in position, the knobs being represented entire. Fig. 2 is an elevation of one of the roses presenting the outside toward the observer. Fig. 3 is a sectional view of it.

A is the stile of the door.

B are the knobs.

C are the roses.

d is the disk flange which fits against the door.

e is a flange which projects into the door, having a screw thread cut on the outside as represented, by which it is firmly held in the wood, the inner surface forming a bearing for the shank of the knob as previously intimated and as shown in the drawings, by which arrangement this flange is made to serve two purposes—securing the rose to the wood, and supporting the shank of the knob. This flange has within it and forming a part of it, a slotted flange *f* which answers the two fold purpose of an end bearing for the shank of the knob and a convenient and indispensable seat or hold for the screw driver to act upon in driving the rose into the hole previously bored for its reception in the stile.

The method of fastening this rose or socket into the door by means of the threaded flange is in most cases amply sufficient to secure its permanence, but, should the wood lack firmness, or from any cause should extraordinary strength be required, or precaution against the rotation of the rose be necessary, it may be additionally secured by screws *g* as shown in the right hand rose in Fig. 1. The adjustment to prevent longitudinal play of the knobs is made by washers as usual.

I make no claim to securing the shank of the rose in the door by means of a screw made upon the outside of it, as this has already been done.

I claim—

The particular improvement which constitutes my said invention, and which I claim as having been originally and first invented by me, is combining the slotted flange *f*, the screw threaded flange *e*, and the disk flange *d* in the construction of a rose for door knobs substantially as and for the purpose set forth.

S. S. DAY.

Witnesses:

THOS. P. HOW,

JOHN CRUMLY.