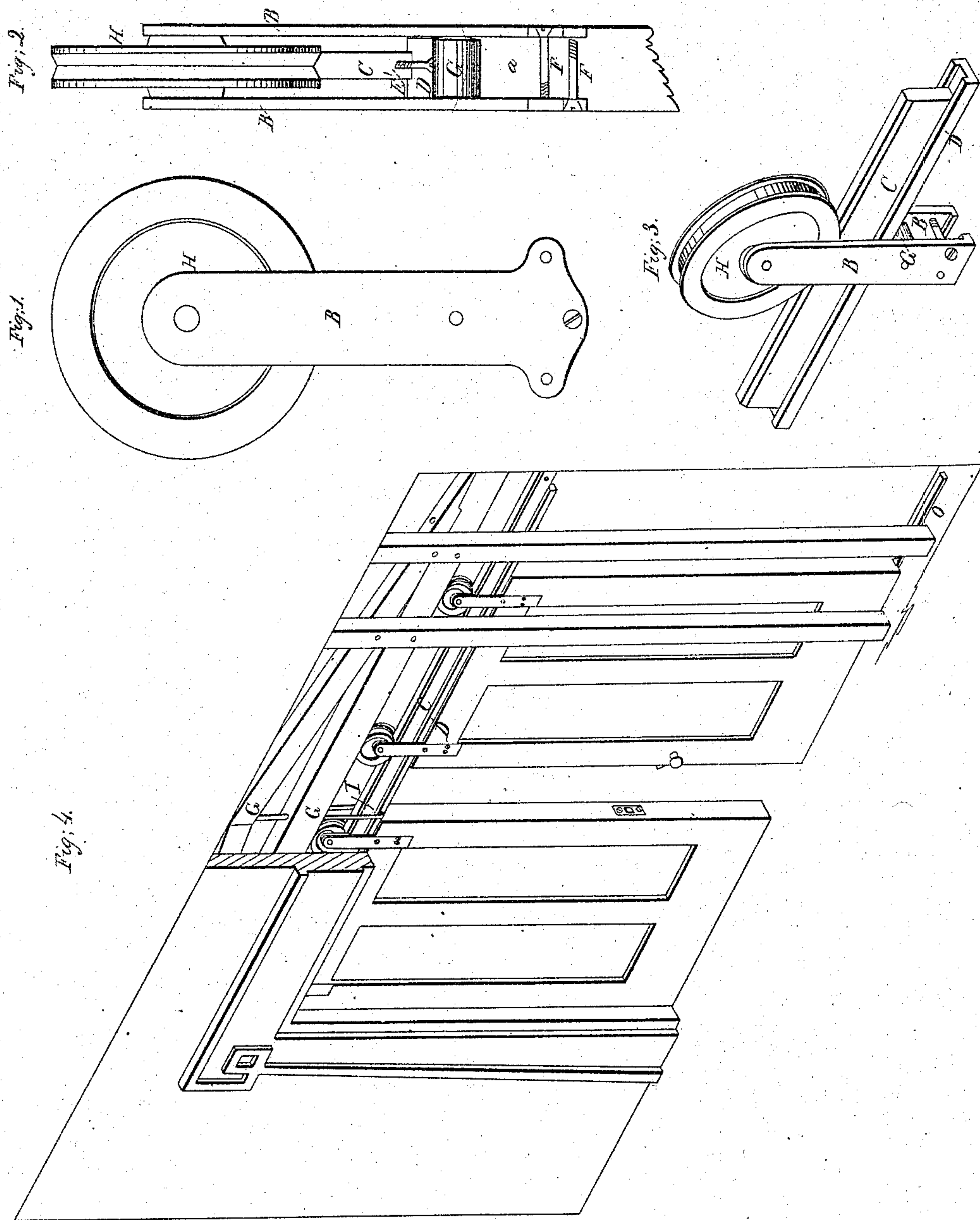


The specification in this paper
is not in print.

No. 3,428.

PATENTED FEB. 12. 1844.

W. T. FORSYTH.
SLIDING DOOR.



Witnesses.

John P. McConnell.
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Inventor.
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UNITED STATES PATENT OFFICE.

WM. T. FORSYTH, OF PHILADELPHIA, PENNSYLVANIA.

SLIDING DOOR.

Specification of Letters Patent No. 3,428, dated February 12, 1844.

To all whom it may concern:

Be it known that I, WILLIAM T. FORSYTH, of the city of Philadelphia, Pennsylvania, have invented a new and Improved Method of Sliding Doors, Shutters, Sash, and Gates; and I do hereby declare that the following is a full and exact description.

The nature of my invention, consists in providing the upper edge or top of the door shutter, &c., with suitable rollers traversing a suspended bar or rail.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation.

Figure 1 represents the outside of the roller and jaws or clamp, the lower end of which can be made of any shape which when let into the side of doors will assist the screws in taking the weight.

Fig. 2 is an end view of the roller &c.: A the door, B the jaws or clamps, C the end of the rail or bars on which the rollers traverse, D a strip of wood which is fastened to the under side of C by means of screws as is shown at E, E screws which fasten the strips of wood D which is here inserted to obscure the rails when the doors are slid back, F F screws which are cut in either side of B and serve to bind B to the door, G friction rollers which is supported by the jaws B and let into the top edge of the door. These serve to prevent jamming should the doors tilt when opening H the main roller or wheel upon whose axis the doors shutters, &c., are suspended by means of the jaws or clamps B.

Fig. 3 is a perspective view of the roller

H, the rail C the wood strip D, the friction roller G, and the clamps B, which also shows another method of adjusting the screws F in bearing the doors, &c., as the lower end has a hook or turn on the inside which is let into the door, &c.

Fig. 4 is a perspective view of the doors with a part of the plastering, &c., removed to show the arrangement of the bar or rail C which for convenience should be constructed of rolled iron in two lengths, firmly secured at the outer ends and in the center to the truss G as is shown at I all other parts can be made of cast iron. The rail C can be varied in size compatible with the weight of doors, &c., which it is designed to carry, it should be made perfectly straight on the top edge and molded to prevent the rollers from working to either side two examples of which I have given at Figs. 2 and 3. O represents a strip fastened to the floor on which the doors move, slightly touching the sides, to prevent the paint from being scratched when the doors are moved.

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

The arrangement of suspension sliding doors, &c., upon a suspension bar by means of rollers and jaws or clamps or by any other analogous device, the whole being constructed and operating substantially as herein set forth.

WILLIAM T. FORSYTH.

Witnesses:

WM. FORSYTH,
PETER P. O'DONNELL.