S. H. & E. Y. MOORE.
Door-Hanger.

No. 207,765. Patented Sept. 3, 1878.

Fig. 1.

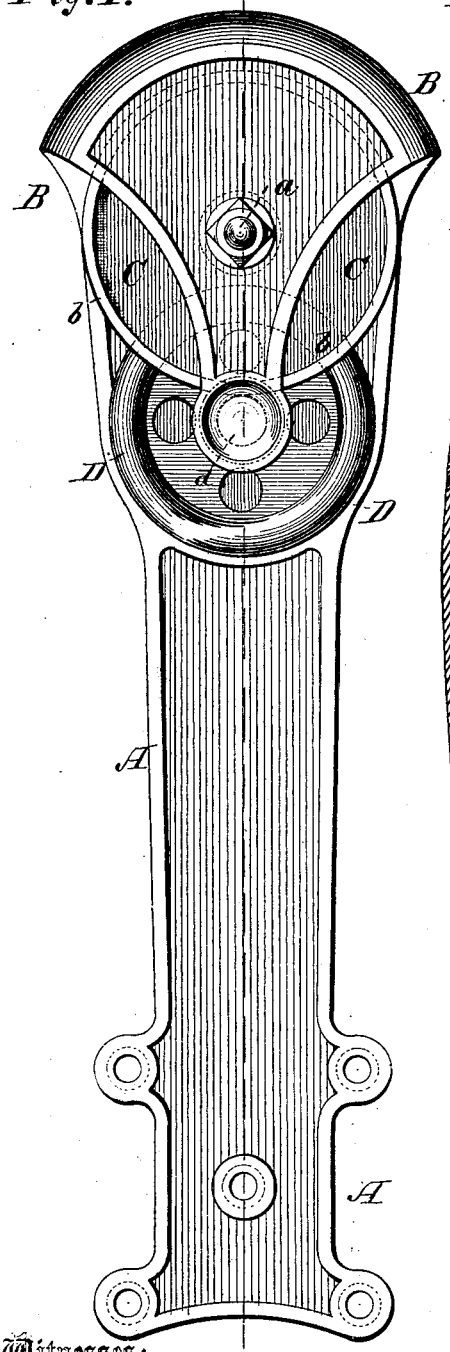


Fig. 2.

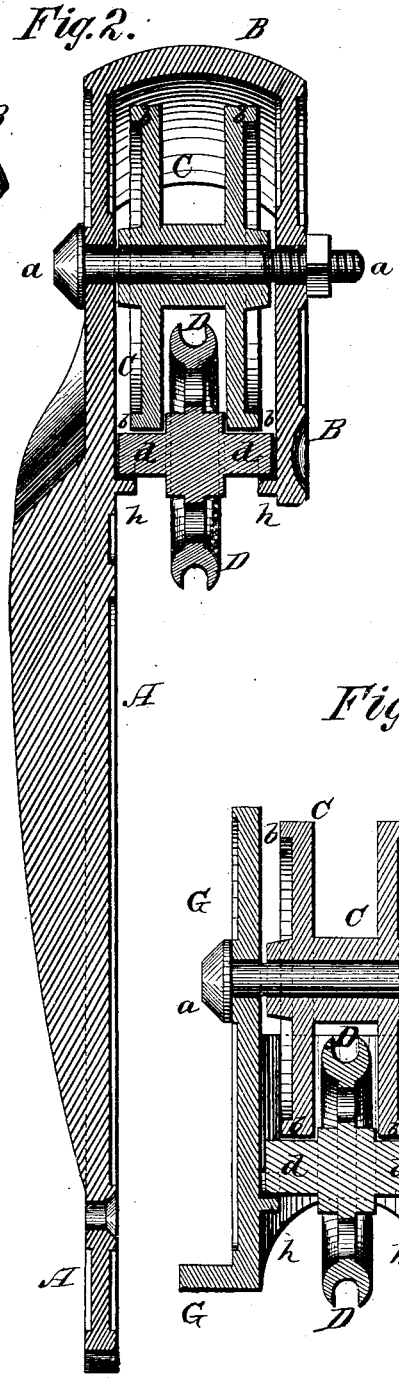
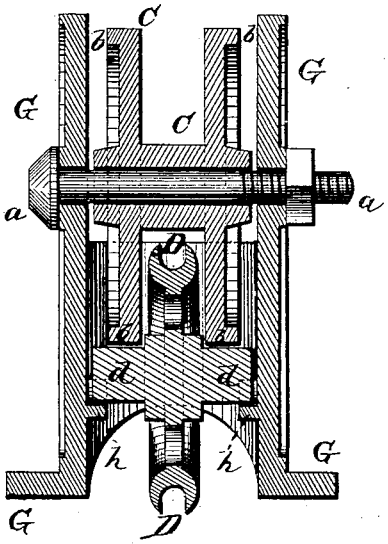


Fig. 3.



Witnesses:
P. C. Dieterich
Frank H. Duffy.

Inventors:
Samuel H. Moore.
Edward Y. Moore.
Per C. H. Watson & Co Attorneys.

UNITED STATES PATENT OFFICE.

SAMUEL H. MOORE AND EDWARD YOUNG MOORE, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN DOOR-HANGERS.

Specification forming part of Letters Patent No. **207,765**, dated September 3, 1878; application filed September 7, 1877.

To all whom it may concern:

Be it known that we, SAMUEL H. MOORE and EDWARD Y. MOORE, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Barn-Door Hangers and Sheaves; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, wich form a part of this specification.

This invention relates to hangers and sheaves for sliding doors; and it consists in the construction and operation of parts, as will be hereinafter more fully set forth and claimed.

In the annexed drawing, to which reference is made, and which fully illustrates the invention, Figure 1 is a front view of a hanger for sliding doors embodying the invention. Fig. 2 is a longitudinal vertical section of the same. Fig. 3 is a section showing the invention applied to sheaves for sliding doors.

A represents the ordinary strap for hangers for sliding doors, formed at its upper end with the cap B, constructed in any suitable manner.

Within this cap, upon an axis or bolt, *a*, is placed a double wheel, C C, formed of a central hub, having near each end a circular disk, as shown, and around the periphery of each disk is an outwardly-projecting flange, *b*, said flanges forming part of the wheel.

D represents a wheel having its rim grooved to fit the track or rail, and which is provided with projecting hubs or trunnions *d d*. These hubs or trunnions have their bearings against the peripheries of the double wheel C C, and they are held in place laterally and from below by means of semicircular flanges or sockets *h h* cast or otherwise formed on or attached to the inside of the cap B.

The two disks of the double wheel straddle the grooved wheel D, which thus works inside of said double wheel.

In Fig. 3 this invention is shown as applied to sheaves for sliding doors, in which case, instead of the cap B, a frame or side plates, G, are used. Instead of a double wheel, C C, as shown, two single wheels may be used for the same purpose.

Having thus fully described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

The combination of the grooved wheel D, with its hubs or trunnions *d d*, the double wheel C C, turning upon an axis, *a*, and the flanges or sockets *h h*, on the inside of the cap or frame which holds the parts together, substantially as and for the purposes herein set forth.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

SAMUEL HALLETT MOORE.
EDWARD YOUNG MOORE.

Witnesses to signature of Samuel Hallett Moore:

JOHN K. HANNAY,
V. MUMFORD MOORE.

Witnesses to signature of Edward Young Moore:

JAS. A. FROCHLICH,
H. L. LAWSON.