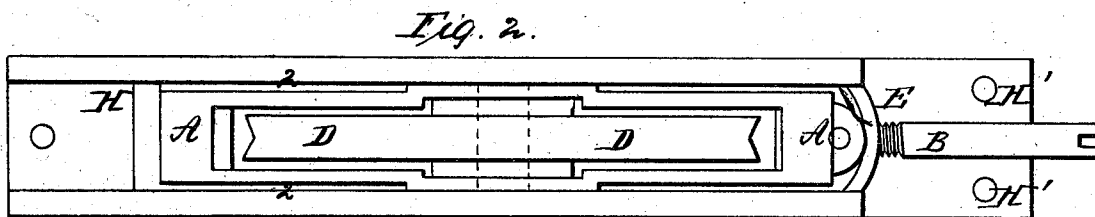
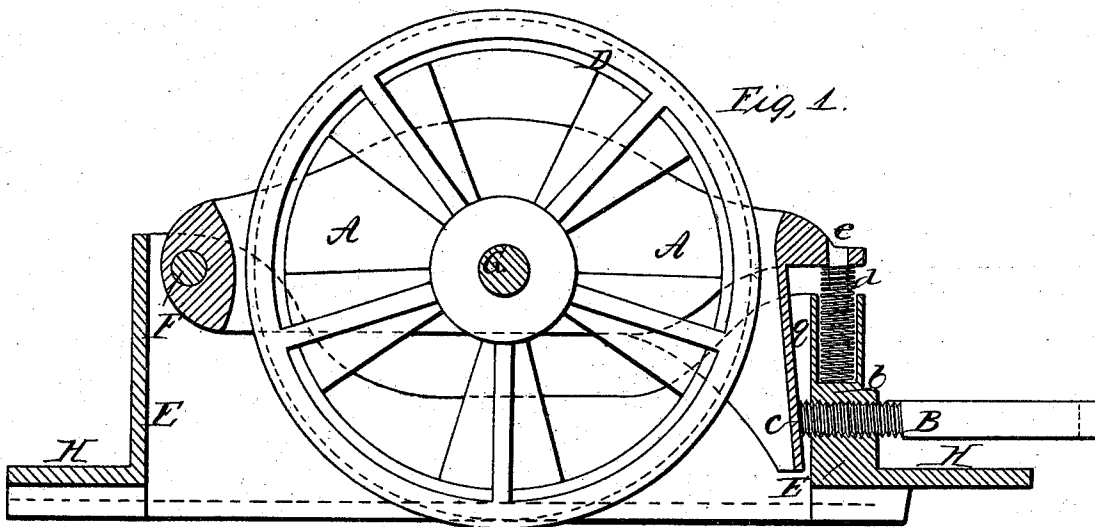


M. L. Deering.

Door Hanger.

N^o 87,329.

Patented Mar. 2, 1869.



Witnesses,
James M. Byrd
C. L. Wainfelder

Inventor,
Mark L. Deering

United States Patent Office.

MARK L. DEERING, OF NEW YORK, N. Y.

Letters Patent No. 87,329, dated March 2, 1869.

IMPROVEMENT IN SLIDING-DOOR SHEAVES.

The Schedule referred to in these Letters Patent and making part of the same.

To all to whom these presents shall come, or may concern, greeting:

Be it known that I, MARK L. DEERING, of the city of New York, in the county of New York, and State of New York, the individual mentioned in, and whose name is subscribed to the petition for the granting of Letters Patent herein, bearing date April 14, 1868, and accompanying this amended specification, have invented a new and useful Improvement in "Sliding-Door Sheaves;" and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the descriptive accompanying drawings, forming parts of this specification.

Figure 1 is a longitudinal sectional elevation of those parts of the "sliding-door sheave" which are necessary to illustrate my invention.

Figure 2 is a longitudinal transverse section of the same.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists in certain means of adjusting, levelling, fitting, and setting sliding doors, whereby the "sliding-door sheaves" heretofore used, are greatly improved, and by means of said improvement are more efficient, and are the means of greatly reducing the labor attendant upon levelling, fitting, and setting sliding doors, and may be set at any angle, or properly levelled, without the aid of a carpenter, after having been put up, without danger of running off the track.

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

D is a wheel, with a groove cut or cast into it.

A A is an iron frame, in which the said wheel rotates upon an axis, G.

The said frame is attached to another frame, E E, by means of a pivot, F, upon which the frame A A can oscillate.

H H are the flanges of the frame E E, by means of which the said sheave is secured to the door, by screws inserted through the holes H' H', fig. 2.

B is a screw running through the front part b of the

frame E E, the point c, of said screw, pressing against a, the inclined plane which forms part of the frame A A.

e is a spiral spring, fitting into that part of the frame E E marked d, and is intended to keep the inclined plane a up against the point c of the screw B.

The said inclined plane is for the purpose of raising or lowering the door when said sheave is attached, and is effected by turning the screw B, by means of a screw-driver, or its equivalent, to the right or to the left.

By the employment of the frame A A, the screw B, inserted in the frame E E, the spiral spring e, and the inclined plane a, I dispense with the necessity of taking down-sliding doors (after they are put up) many times before a fit can be made, and by means of the adjusting-screw B, the inclined plane a, and the pivot F, and the spring e, I can, after the door is made and put in its place, adjust, level, and square the same so perfectly, and in such a manner, as to entirely prevent the said sheave from running off the track on which the wheel D runs.

My invention will, if applied, save a great amount of labor and expense in the levelling and adjusting of sliding doors, and, in its application to such doors, will enable a person wholly unacquainted with the business of hanging and fitting doors, to level and adjust the same with perfect accuracy and ease, and any part of said door-sheave can be easily repaired or replaced, if out of repair or broken, without the necessity of obtaining a new sheave, and at very little expense. The said improvement is moreover applicable to "suspended sliding doors."

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

The adjustable frame A A, attached to the frame E E, and operated by means of the inclined plane a, and the screw B, together with the spiral spring e, or their equivalents, for the purposes hereinbefore set forth and described.

MARK L. DEERING.

Witnesses:

JAMES H. WHITELEGGE,
M. E. E. WHITELEGGE.