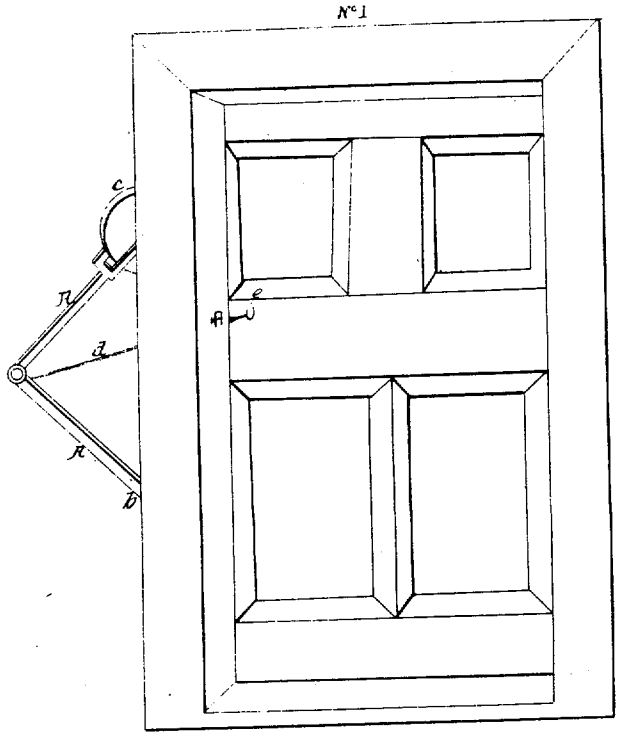
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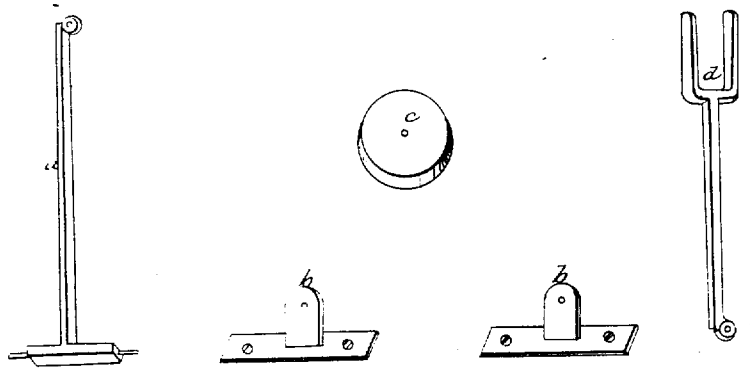
O. Davidson,

Door Spring.

Patented Mar. 30, 1835.

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N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

Mar. 30, 1835 8739X 101

Oliver Davidson, of Ballston New York.

Letters Patent.

The Schedule referred to in these Letters Patent, and making part of the same, containing a description in the words of the said Oliver Davidson, himself of his improvement in an Apparatus for closing doors Gates &c.

To all to whom these presents shall come; Be it known that I Oliver Davidson, of Ballston Spa, County of Saratoga and State of New York, have invented a new and useful improvement for the purpose of closing doors, gates &c. and that the following is a full and exact description of the construction and operation of the said improvement as invented or improved by me. It consists of a compound Lever placed in the door easement and connected with the door by a chord or chain, this lever is composed of two bars or rods of iron, each from ten to twelve inches in length united by a rule joint, the angle or inclination of which bars to each other is limited by fixtures in the easement and by a chord to not less than forty five degrees. The lower extremity of the lever is fastened in the easement upon a pivot, which forms a fulcrum and permits the requisite motion. The other extremity is forked and has placed in it a weight which is intended to run in the manner of a Cantor, on the inner surface of the easement, the chord or chain is attached to the lever below the joint, and passing over a pulley in the easement is connected with the door by a staple when the door is opened the chord draws the lever towards a straight line the weight moving up, but when the power applied is withdrawn the weight descends bringing back the lever to its first position and thereby closing the door. An interior view of this apparatus is given in sheet 2 of the annexed drawing. A. A. is the compound lever fastened with its lower extremity b. on a pivot in the easement, C is the weight or cantor which passes up and down in the manner on face of the door easement. The chord (d.) fastened at one end on lower arm of the lever

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lever, and at the other in a staple in the door C, the separate parts are also seen in the annexed drawing (A) the lower arm of the lever with the pivot which is to be fastened in the casement (BB) the plates in the casement in which the pivot is inserted. C. the weight or castor (D) the upper arm of the lever forked for the admission of the Castor.

The application of power by this Mechanical contrivance for the purposes within specified is new and believe to be the invention

Sworn'd. Witnesses

H.C. Morris W Davidson — Oliver Davidson.

John R Howard

(Drawing)

504 Words