(No Model.)

O. SEELY.

DOOR HANGER.

No. 558,704. Patented Apr. 21, 1896.

Fig. 1.

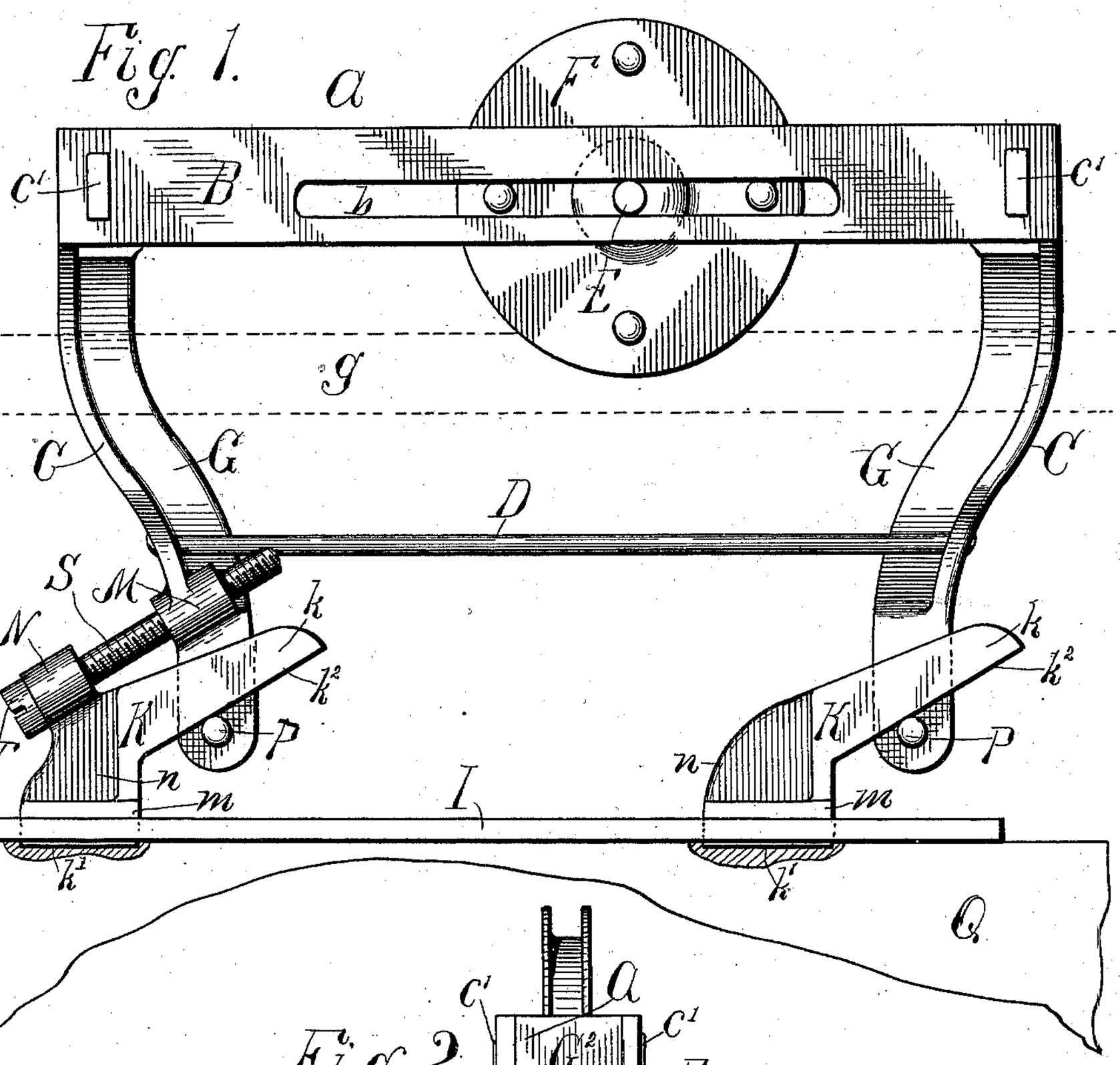


Fig. 2.

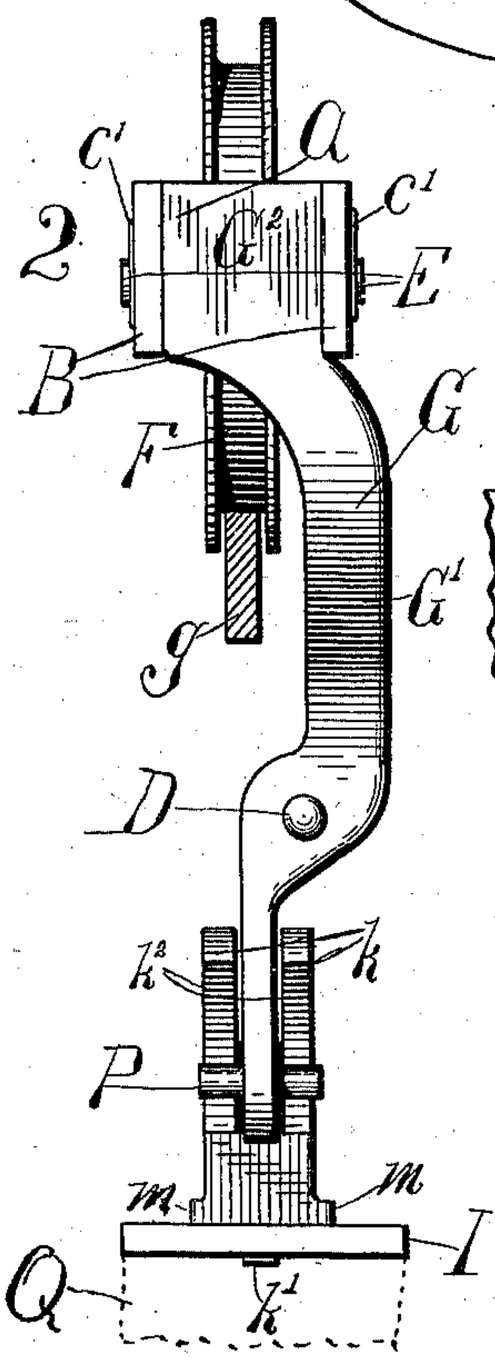


Fig. 3.

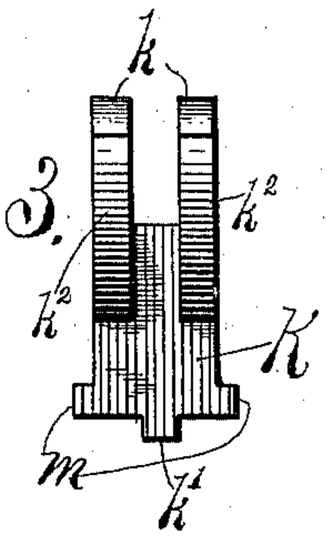
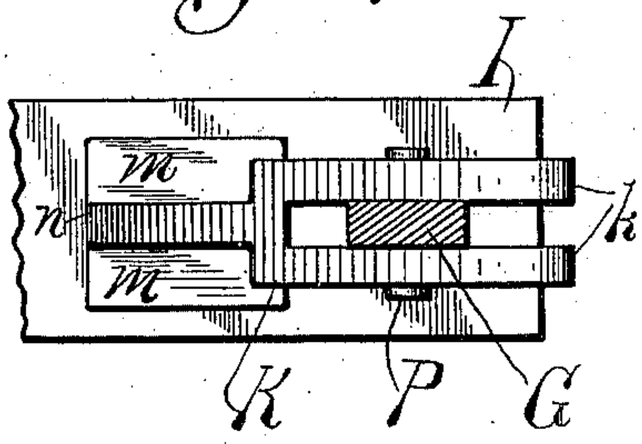


Fig. 4.



WITNESSES:

L. E. Tomlinson.

L. F. Weisburg.

INVENTOR

Obadiah. Seely.

by Alfred. Wilkinson.

his ATTORNEY

UNITED STATES PATENT OFFICE.

OBADIAH SEELY, OF SYRACUSE, NEW YORK.

DOOR-HANGER.

SPECIFICATION forming part of Letters Patent No. 558,704, dated April 21, 1896.

Application filed June 14, 1895. Serial No. 552,828. (No model.)

To all whom it may concern:

Be it known that I, OBADIAH SEELY, a citizen of the United States, residing at Syracuse, in the county of Onondaga and State of New York, have invented a new and useful Door-Hanger; and I do hereby declare that the following, in connection with the accompanying drawings, is a full, clear, and exact description of the invention.

My invention relates to improvements in single-track door-hangers, and has special reference to the manner in which the hanger-frame is connected to the door-plate, so that the connection between them shall be strong and adjustment of the door easy. As hangers of this type are to-day made principally of steel, it is necessary to make them as light and simple as possible, doing away with all unnecessary metal, and yet preserving a sufficient degree of strength and rigidity.

My invention will be better understood by reference to the accompanying drawings, in which the same letters refer to corresponding parts in all the views.

Figure 1 is a side elevation of my improved door-hanger. Fig. 2 is an end elevation. Fig. 3 is a corresponding end elevation of one of the forked posts detached from door-plate. Fig. 4 is a top plan view of one of the forked posts and a portion of the door-plate.

A indicates the hanger-frame, composed of double rails or bearing-plates B B, end bars G G, inwardly curved and reinforced by ribs C C and brace D, all as best shown in Fig. 1. The bearing-plates B B are provided with slots *b b*, which afford an antifriction-bearing for journals E E of roller F, running on track *g*. End bars G G are formed with offset G′ for the purpose of avoiding track *g*, and have enlarged upper ends G^2, provided with lateral extensions *c′ c′* for attaching the double-rail members B B.

The lower member of the hanger, being the part screwed to the door, consists of door-plate I and two similar forked posts K K, attached to door-plate I by means of downward extensions *k′ k′*, firmly wedged in slots in the door-plate. Each post K K is formed with the peculiar slanting forks *k k*, arranged with just enough space between them to admit freely the lower ends of end bars G G, which are provided with engaging-pins P P. These pins, extending laterally, bridge the space between the forks *k k* and rest against the inclined surfaces k^2 k^2, provided on the under side of forks *k k*, against which these pins P P slide as the connecting-screw S is turned in one direction or the other. By this engagement of pins P P with surfaces k^2 k^2 is sustained the weight of the door Q, depending from door-plate I.

The forked posts by which the lower member or door-plate of the hanger and the door attached thereto are sustained are of a new and peculiar form and are adapted to be light and cheap, and yet in connection with the engaging-pins to sustain the door strongly and firmly. These posts are formed each with the widened base *m m*, the strengthening-rib *n*, and the downwardly-depending lug *k′*, adapted to be wedged in a slot in the base-plate.

A screw S is provided, having a head T and engaging with socket N on the lower member of the door-hanger and with a screw-threaded socket M on the upper member. The purpose of this screw is to connect the lower member positively to the upper member and for adjusting the height of the door.

Having thus fully described my invention, what I claim, and desire to protect by Letters Patent, is—

In a single-track door-hanger the combination of the hanger-frame, having transverse pins extending outwardly on each side of the end bars at their lower ends, and the door-plate having on its upper face for engaging with said pins the posts K K, each provided with upwardly-extending inclined forks *k k*, strengthening-rib *n*, widened base *m* and lug *k′* adapted to be wedged in slot in door-plate, substantially as described and shown.

In witness whereof I have hereunto set my hand, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 3d day of June, 1895.

OBADIAH SEELY.

Witnesses:
M. ELLA SKINNER,
ALFRED WILKINSON.