

No. 622,284.

Patented Apr. 4, 1899.

O. S. SNYDER.
DUST RECEPTACLE.

(Application filed Dec. 5, 1898.)

(No Model.)

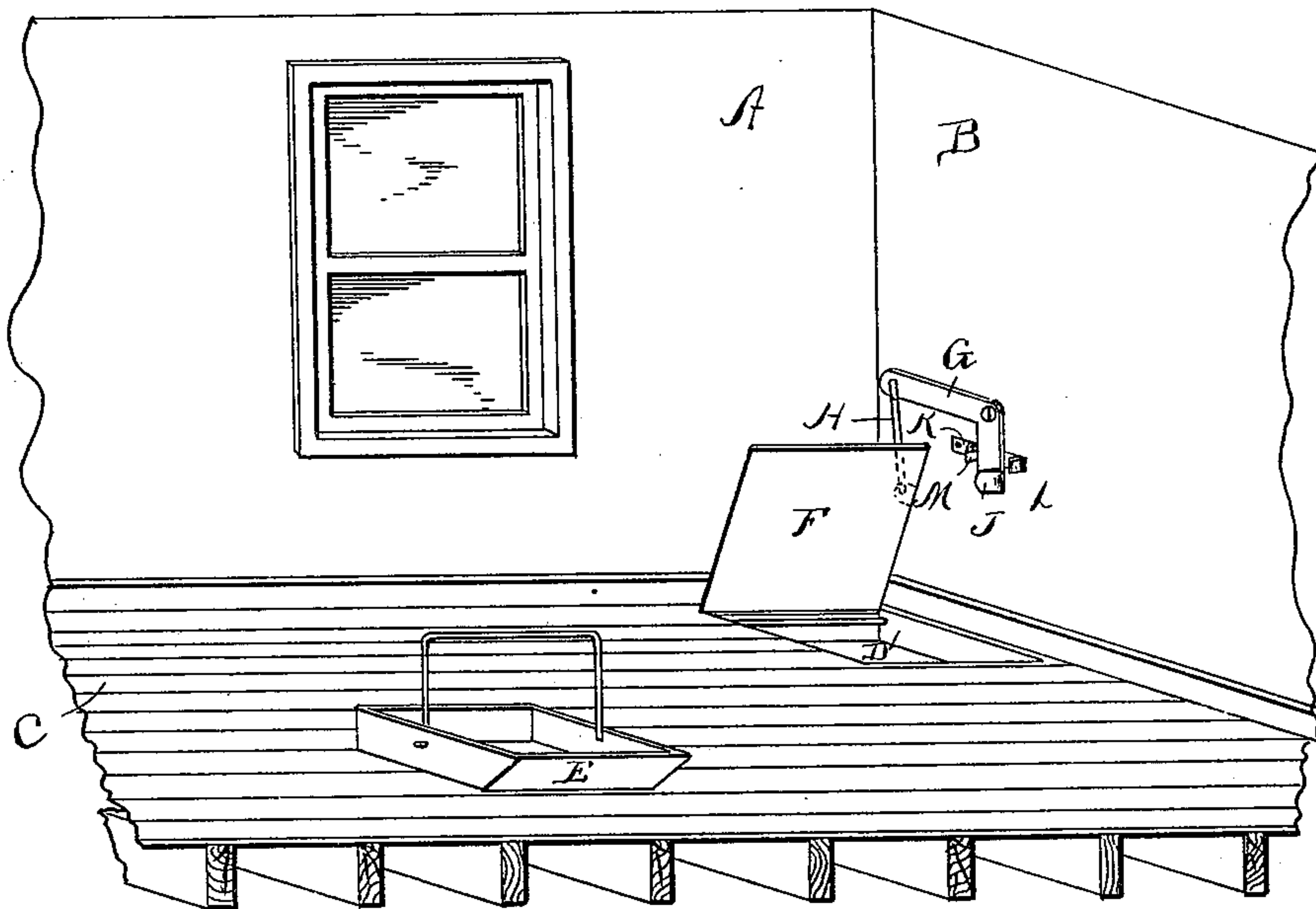


Fig I

Fig II

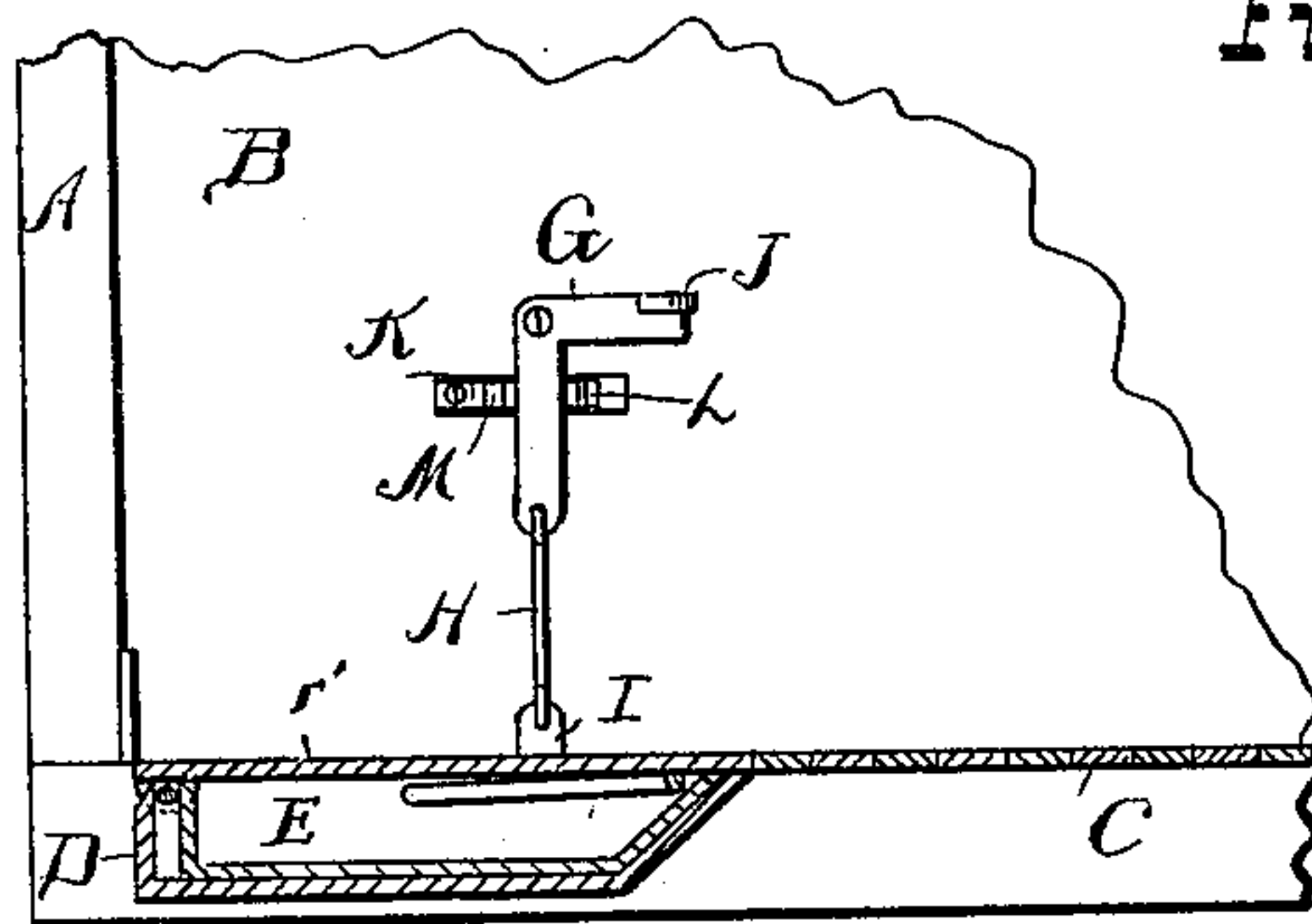


Fig III

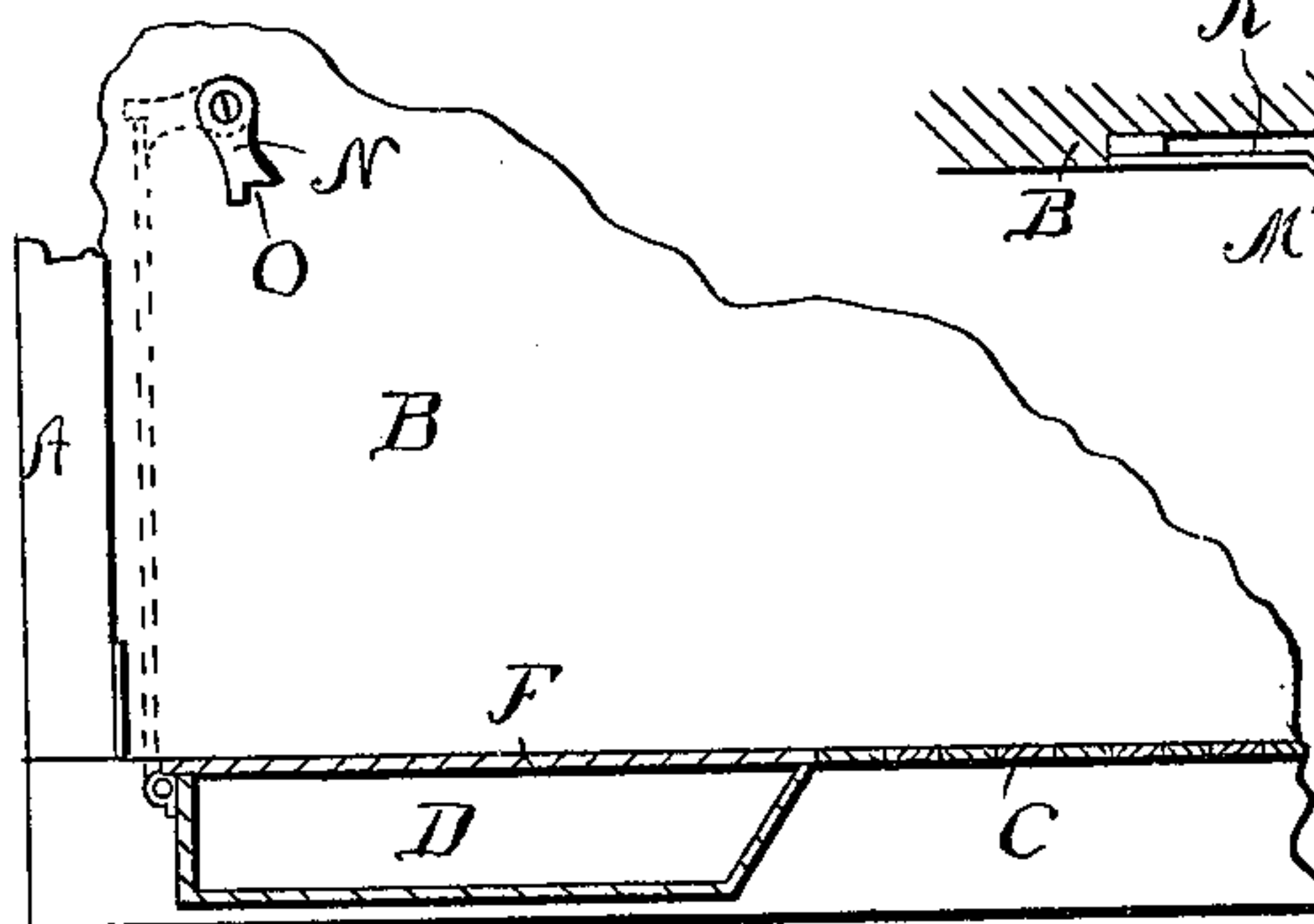
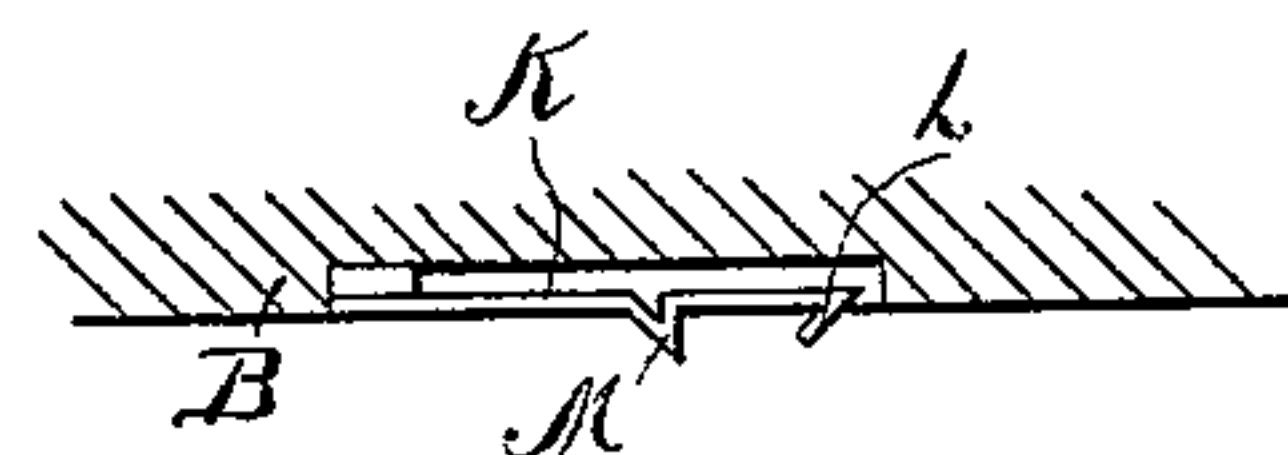


Fig IV



WITNESSES
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DUST-RECEPTACLE.

SPECIFICATION forming part of Letters Patent No. 622,284, dated April 4, 1899.

Application filed December 5, 1898. Serial No. 698,267. (No model.)

To all whom it may concern:

Be it known that I, OGDEN SYDNEY SNYDER, a citizen of the United States of America, residing in Formosa, in the county of Jewell and State of Kansas, have invented a new and useful Improvement in Dust-Receptacles, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to improvements in dust-receptacles.

The object of my invention is to provide a labor-saving device by means of which the dust and dirt accumulating in a room may be stored in a receptacle provided in the floor and removed therefrom from time to time, as desired.

My invention provides, further, a novel form of dust-receptacle having a removable cover normally closing the receptacle, but removable for the purpose of cleaning the receptacle.

My invention provides, still further, a receptacle placed in the floor and provided with a hinged cover and means by which the cover is held in the open position during the time of removing the dirt from the receptacle.

My invention provides, further, novel means of raising the cover and holding it open during the removal of dirt from the receptacle.

In the accompanying drawings, which illustrate my invention, Figure I represents a perspective view of a portion of a room in the floor of which is placed a dirt-receptacle of my invention, the cover of the receptacle being shown in the open position and the removable dirt or dust pan being represented as setting upon the floor near by. Fig. II represents a vertical sectional view of the device with the cover in the closed position and the removable dust-pan in the receptacle. Fig. III represents a vertical sectional view of the device with the removable dust-pan removed and a modification of the device for holding the cover in the open position. In this view the cover is shown in the open position in dotted lines. Fig. IV represents a horizontal sectional view of a portion of the wall in which the locking device shown in Figs. I and II is located.

Similar letters of reference indicate similar parts.

A indicates one wall of the room, B one of

the adjacent walls, and C the floor. The dust-receptacle D is located in an opening provided for it in some portion of the floor, preferably near one corner of the room.

The form of the dust-receptacle is not material. In the drawings I have represented it as being rectangular, with an upwardly-inclined forward end, which formation permits the ready removal of the dirt when the removable dust-pan E is not used.

A cover F is provided for the dust-receptacle D. This cover serves to retain the dirt in the receptacle, and also to cover the opening in the floor. The cover may be secured in any desirable manner. In the drawings I have shown a preferable way of securing the cover by hinging it at its rear end to the rear end of the receptacle. The cover may be raised by catching it directly with the hand and swinging it on its hinged support, or it may be raised by intermediate mechanism—such, for instance, as is shown in Figs. I and II. Various means may be utilized for holding the cover in the raised position, one being to permit it to rest against the rear wall A by gravity due to its rearward inclination. Other means for accomplishing this result may be employed. I will now describe the means shown in Figs. I and II.

A lever G, which may be of any desirable shape—as, for instance, a bell-crank lever, as shown in the drawings—is pivoted to the wall B. One end of the lever is connected by a link H to the cover, preferably near the outer end of the cover and adjacent to the wall B. By rocking the lever G from the position shown in Fig. II to that represented in Fig. I the cover is swung into the position shown in Fig. I. For convenience the lever G is pivoted in such a position that one need not stoop in order to operate the lever. The link H may be secured in any suitable manner to the cover. I have shown it pivoted to an upwardly-projecting ear I, secured to or integral with the cover.

To facilitate the handling of the lever G, it is preferably provided at its free end with an outwardly-extending projection J, adapted to be seized with the hand. In order to secure the lever in the position shown in Fig. I, I have provided a locking device that may be readily released and yet will hold the lever

against displacement. This locking device comprises a spring-strip K, having one end secured to the wall B and having its free end adapted to be forced rearwardly. The free
 5 end is bent at an angle outwardly and serves to hold the lever from displacement after it has passed the lip L, formed by bending the strip K at its end. A stop M, formed by making a bend in the strip between the lip L and
 10 the pivotal point, prevents the lever G being moved too far rearwardly. This latter bend may be dispensed with, but is desirable as providing a means for depressing the strip K when it is desired to release the lever G there-
 15 from, and also to hold the lever in the position shown in Fig. II.

In Fig. III, I have shown a modified form of locking device, comprising a hook N, pivoted to the wall B in such a position that
 20 when the cover F is raised into the position shown in dotted lines the hook may be turned into the position shown also in dotted lines and prevent the falling forward of the cover. To release the cover, the hook N may be
 25 raised and the cover may then be swung forward. A notch O is provided in the end of the hook to receive the edge of the cover. When it is not desired to sweep the dirt di-
 30 rectly into the receptacle, a pan E, provided with a suitable bail, may be used. This pan is preferably made to conform in shape to the inner configuration of the receptacle D and of a height such that the cover may be put
 in position after the pan has been inserted.

In operating my invention the lever G is
 35 rocked as described and the cover F raised into the position shown in Fig. I. The dust and other dirt may then be swept into the pan E, which when full can be removed and
 40 replaced, after which the cover is swung to its normal closed position, as shown in Fig. II.

With the use of my invention the labor of stooping for the purpose of filling a dust-pan is obviated.

45 The dirt may be swept into the receptacle and held securely until it is desired to remove it. The mechanism may be neatly made and serve as an ornament to the room. It may also be used with floors having or not
 50 having carpets. When used with floors not

carpeted, it may be used to receive the water used in mopping the floor, as well as to receive the dirt and dust.

As stated hereinbefore, my invention may be subjected to many modifications while yet
 55 retaining its spirit.

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

1. A dust-receptacle comprising a pan se- 60
 cured in an opening provided in the floor, a removable pan adapted to be inserted within the stationary pan, and a cover for closing the tops of both pans, substantially as de-
 65 scribed.

2. A dust-receptacle comprising a pan se- 65
 cured in an opening provided in the floor, a removable pan adapted to be inserted within the stationary pan, a hinged cover adapted to be swung so as to cover both pans, and
 70 means for holding the cover in a fixed position, substantially as described.

3. In a dust-receptacle, the combination with a pan secured in an opening provided
 75 in the floor, of a hinged cover for the pan, a lever, means for swinging the cover when the lever is operated, and a spring-actuated locking device for holding the lever stationary, substantially as described.

4. In a dust-receptacle, the combination 80
 with a pan secured in an opening provided in the floor, of a hinged cover for the pan, a lever, a link connecting the lever and the cover, and a spring-strip provided with a
 85 catch device for engaging the lever, substantially as described.

5. In a dust-receptacle, the combination with a pan secured in an opening provided
 90 in the floor, of a hinged cover therefor, a bell-crank lever, a connection between the lever and the cover, and a device for alternately engaging the two arms of the lever, whereby the lever may be held in two different posi-
 95 tions, substantially as described.

In testimony whereof I have affixed my sig-
 nature in presence of two witnesses.

OGDEN SYDNEY SNYDER.

Witnesses:

E. P. SNYDER,

H. C. BOYER.