

D. Fitzgerald,

Safe.

No. 89,474.

Patented Apr. 27. 1869.

Fig. 1.

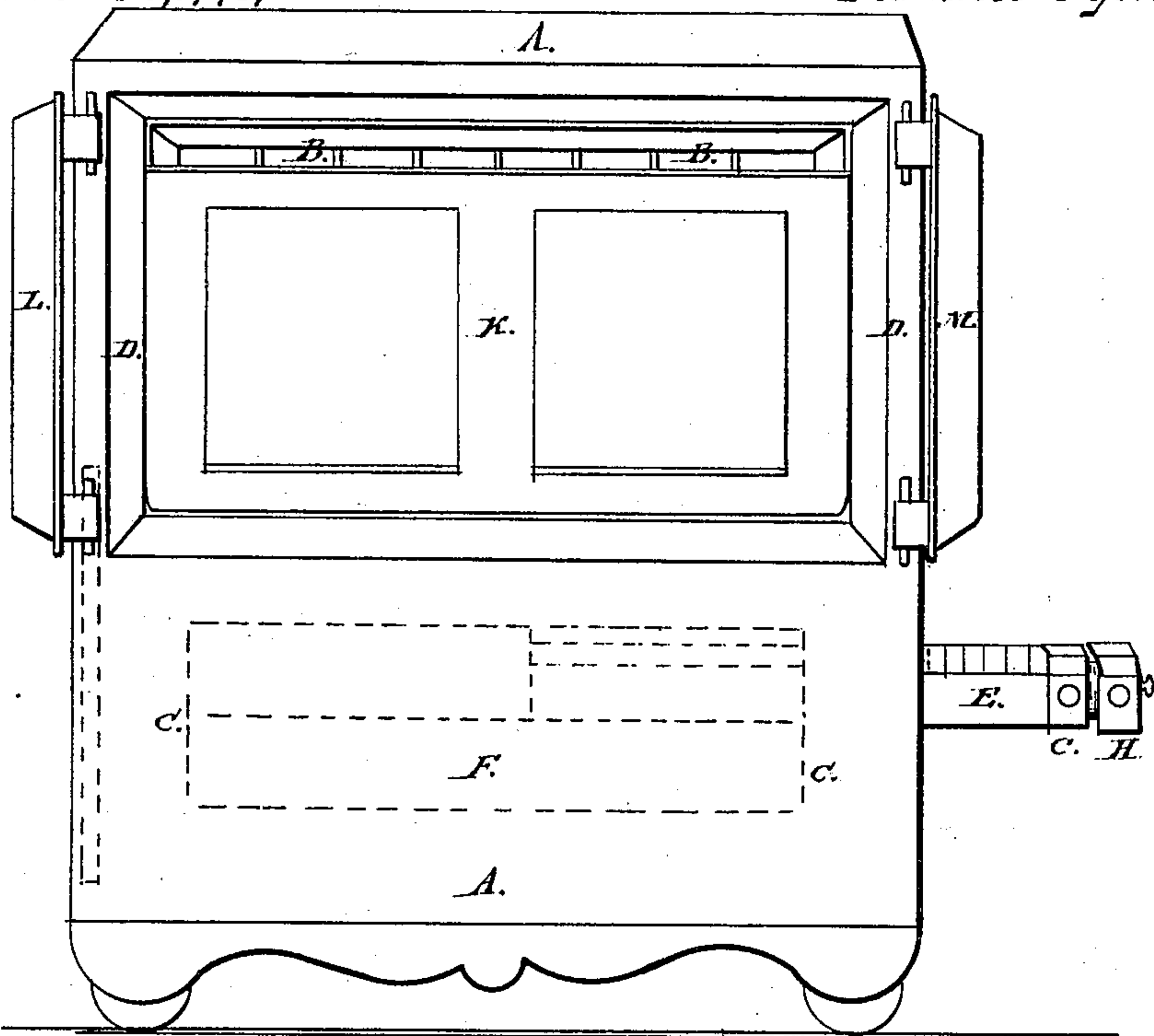


Fig. 2.

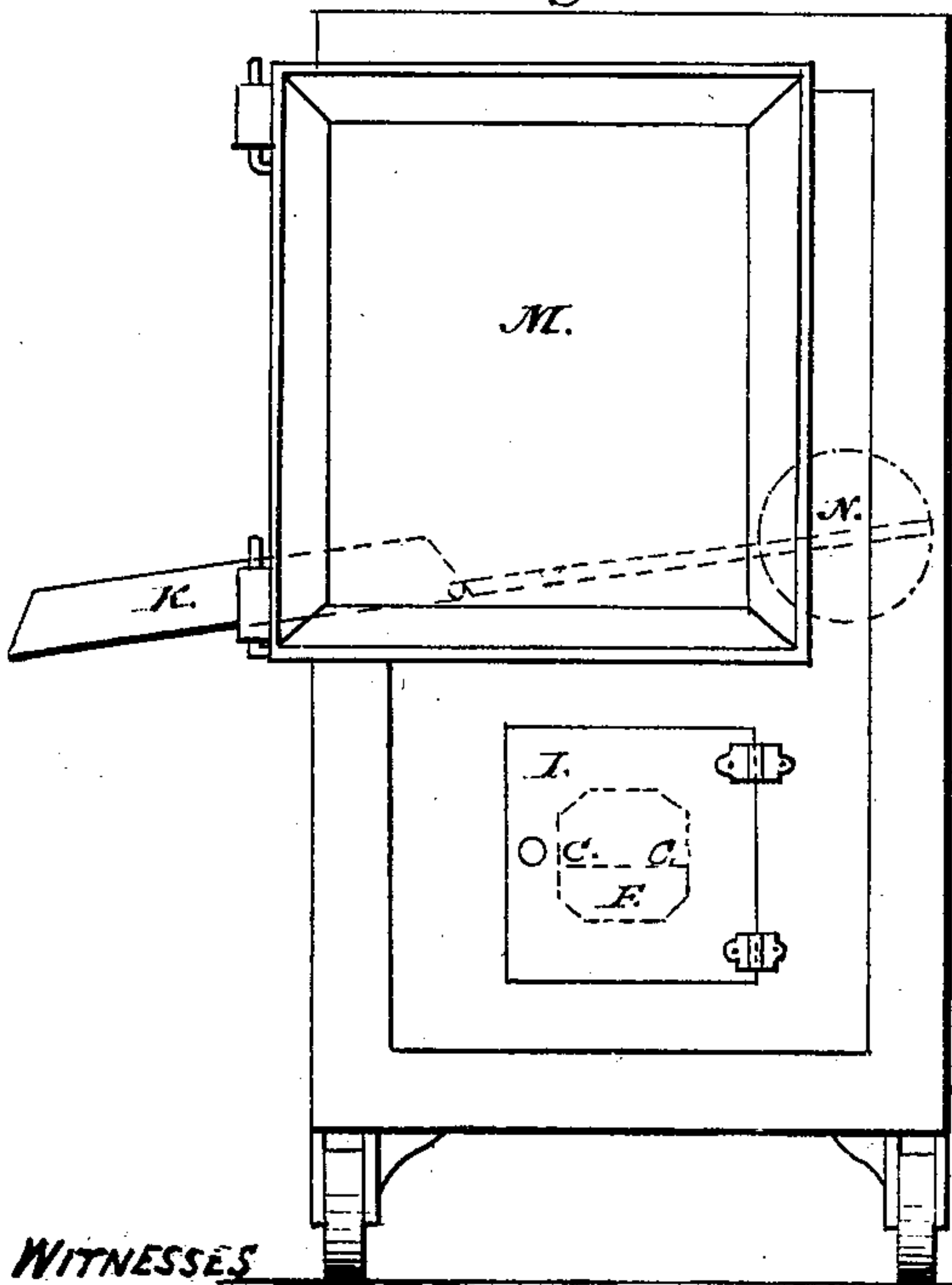
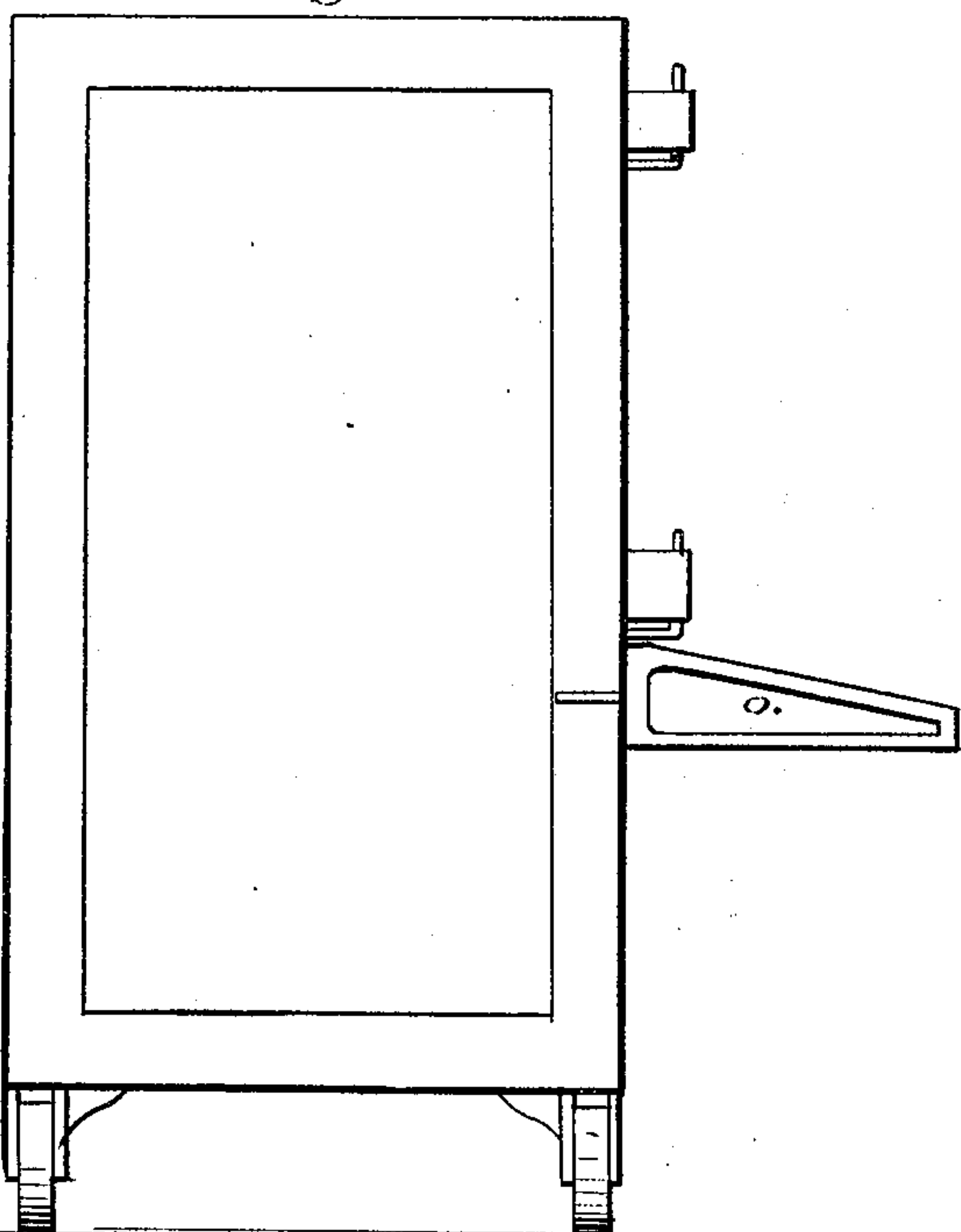


Fig. 3.



WITNESSES

Charles H. Smith.
Benjamin Sherwood

INVENTOR:

Daniel Fitzgerald

United States Patent Office.

DANIEL FITZGERALD, OF NEW YORK, N. Y.

Letters Patent No. 89,474, dated April 27, 1869.

IMPROVEMENT IN SAFES.

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

To all whom it may concern :

Be it known that I, DANIEL FITZGERALD, of the city, county, and State of New York, have invented certain new and useful Improvements in Fire and Burglar-Proof Safes; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, which forms part of this specification.

The object of this invention is to make a compact and convenient arrangement for offices, of the nature of a safe, which will afford the accommodation of a desk, (detachable or otherwise;) and also to combine within a fire-proof safe a "burglar-proof" for valuables, to which access may be had separately and independently from the fire-proof portion, as such.

To enable others to make and use my invention, I will proceed to describe the same.

Figure 1 is a front elevation, showing the outer doors entirely open and the inner door partially so.

Figure 2 is an end view, and shows the inner and outer doors entirely thrown open, and also shows the outer door of the "burglar-proof."

Figure 3 is also an end view, and shows the desk when made detachable for use, when the doors are all closed.

A represents a fire-proof safe, of such height as to afford room within it for a case for account-books, the bottom of which is elevated the necessary distance from the floor to clear an ordinary desk.

The space below the book-case B, I utilize by occupying the same with a suitable "burglar-proof," C, (dotted.)

This ordinarily consists of a mass of impenetrable metal of a tubular form, having an opening therein, lengthwise of the safe, as indicated by the dotted lines in fig. 1.

Said burglar-proof is only of a length sufficient to fill the inner interior of the safe, that is, inside the filled walls D.

The mouth of the burglar-proof is arranged at the end or side of the safe, so as to be handy to a person sitting in front.

I prefer the tubular form, as that enables me to preserve the strength which inheres in a small mass of iron, while the length furnishes the largest amount of interior space consistent with such strength.

Inasmuch as the length and small diameter of the cavity makes access thereto somewhat difficult, I fit in a drawer, E, which drawer may occupy a part only of the cavity, leaving a cell, F, beneath, into which coin, jewelry, and other valuables that are not in immediate requisition, may be placed.

The mouth of the burglar-proof is closed by three doors, G H I, each of which may have separate locks.

One or more (generally two) of these doors G H are in the form of plugs, and to remove and replace them readily in their respective recesses, I attach them to the drawer aforesaid, by which their weight ceases to be an inconvenience.

Said plugs or inner doors are made to shut in, with their outermost surface flush with the end of the burglar-proof, which is purposely placed back of the

inner line of the usual fire-proof filled walls of the safe, so that in case of fire, the steam escaping from said walls will act on the outer surface of the said inner doors or plugs, and keep the same cool, as well as prevent the ingress of heat therein.

An ordinary swinging door, 1, outside of the doors or plugs, closes over the mouth of the burglar-proof proper, and protects the inner doors.

The doors of the upper portion of the safe may be made to open horizontally as usual, or vertically—all being filled.

In the drawing, the inner door K is shown as opening vertically and falling down to, and stopping at an angle which will make it convenient to use it as a desk, when thus open. (See fig. 2.)

The outer doors L M are represented as opening horizontally in the usual manner; but in order to prevent their shutting off the light from the desk, I have arranged them to swing clear around to the ends of the safe, (that is a quarter circle farther than usual,) and thus be entirely out of the way.

The inner door K, opening vertically, will be heavy to handle.

I therefore attach thereto a balance-weight, N, shown dotted in fig. 2, so fixed thereon as to be capable of counterbalancing the weight of the door in moving it.

Said counter-balance is usually arranged within the wall of the safe, as indicated by a dotted space for the weight, in fig. 1, at the left.

I sometimes place an additional book-case in the lower part of the safe, instead or with the burglar-proof, in which case, either of the above modes of hanging the doors may be used, according to circumstances.

I sometimes have both the inner and outer doors to swing open horizontally, and in such case, and for use when the doors are all closed.

I employ a desk, O, attached or annexed to the front of the safe, and detachable therefrom when not required for use, or in case of transportation.

In this invention, I do not confine myself to precise forms, but shall modify the construction where circumstances shall require.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The fire-proof safe A, when provided with a burglar-proof safe, C, inside of its lower part, and with a book-case, B, in its upper part, substantially as shown and described.

2. The arrangement of the burglar-proof C, partitioned drawer E, with the cavity F, and doors or plugs G and H, all encased in the lower part of the fire-proof A, and protected by the door I, substantially as shown and described.

3. The arrangement of the book-case B, inner door K, weight N, outer doors L M, and detachable desk O, all substantially as shown and described.

DANIEL FITZGERALD.

Witnesses:

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BENJAMIN SHERWOOD.