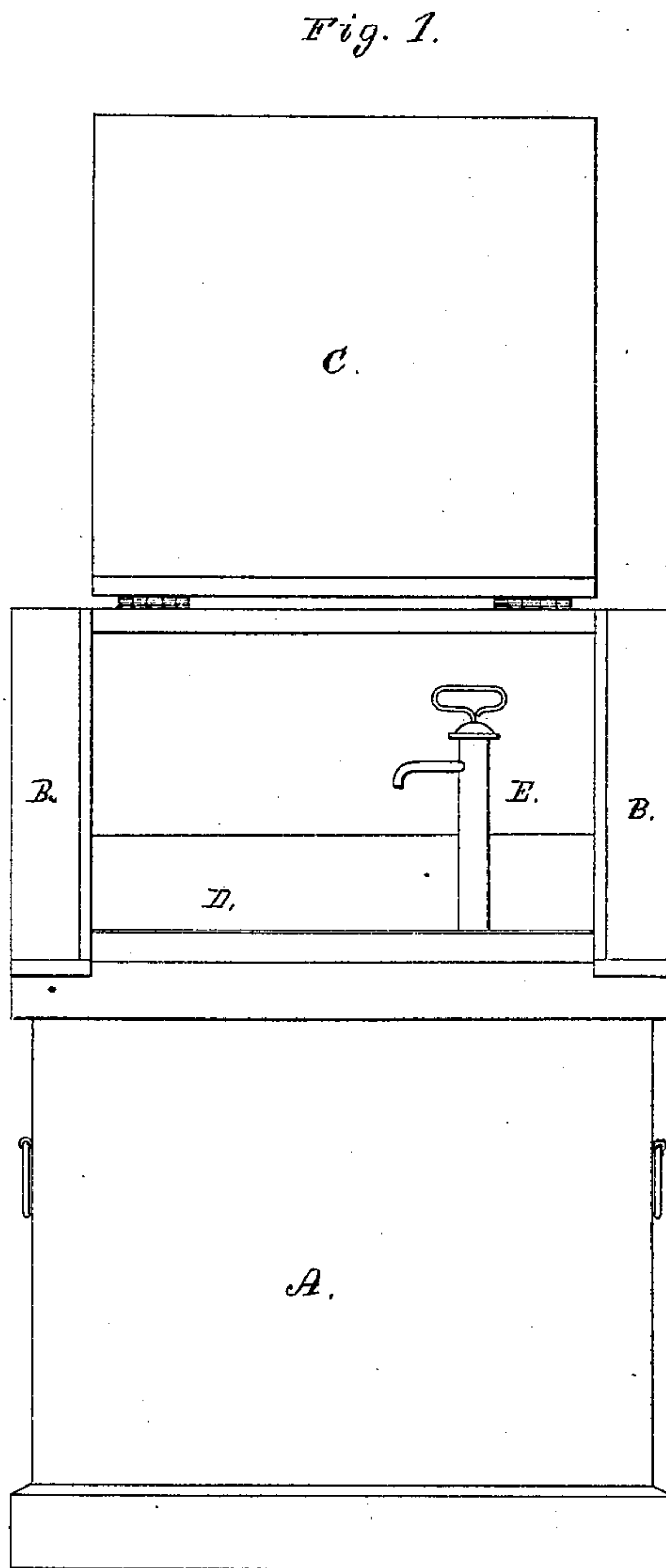
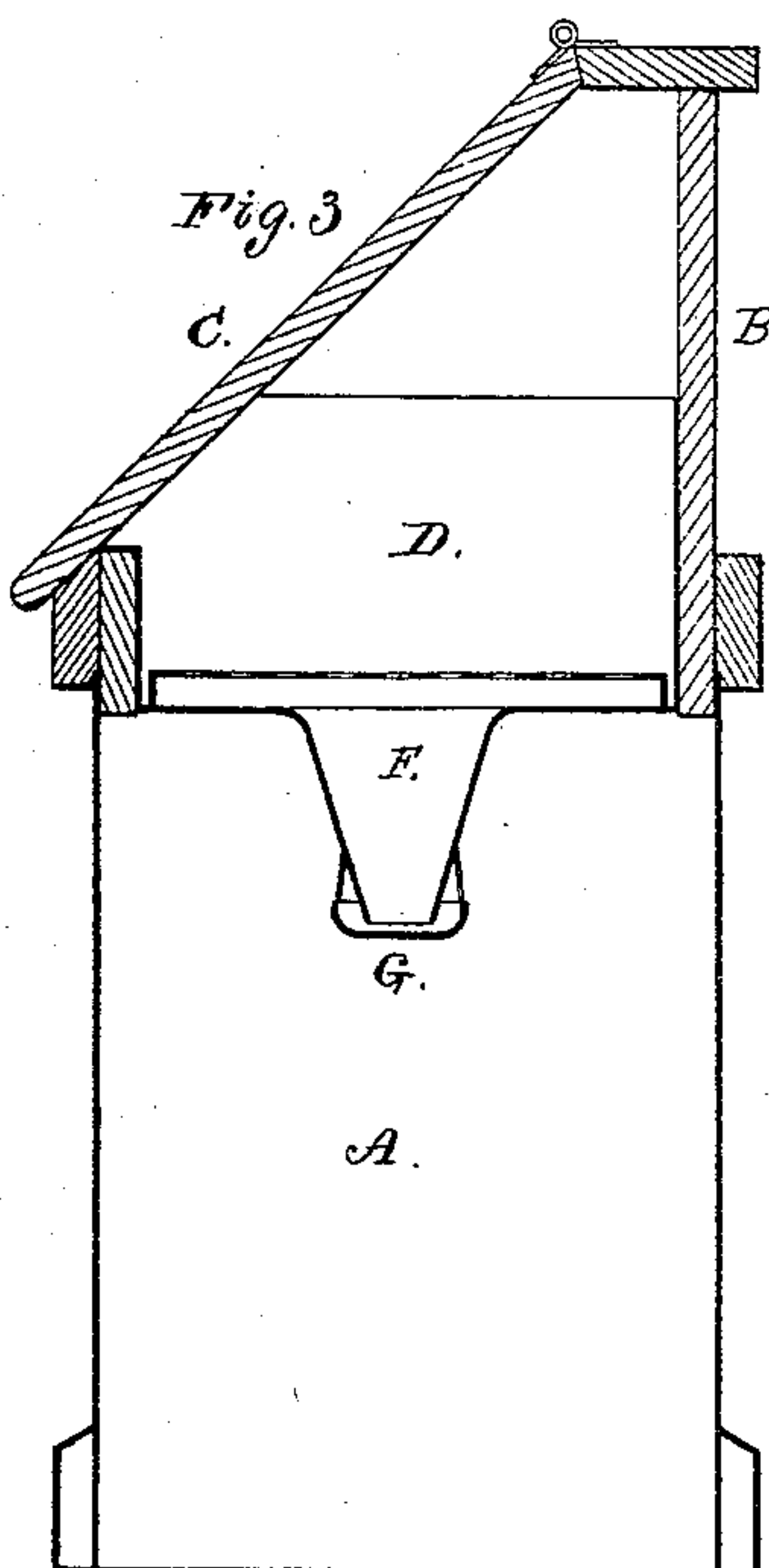
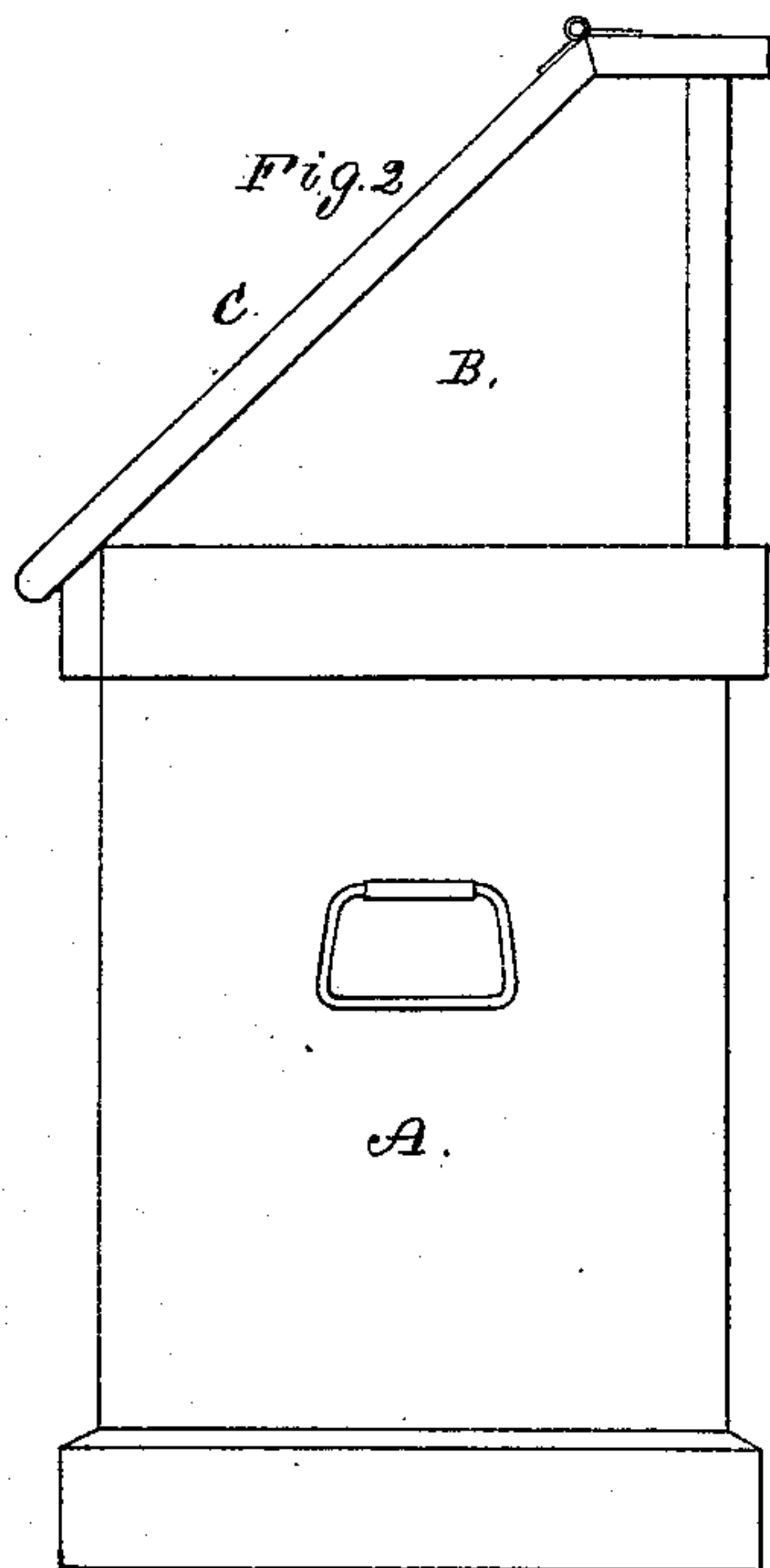


T. MILLER.
Oil-Cabinets.

No. 144,856.

Patented Nov. 25, 1873.



Witnesses.

Geo Gray.
J. C. Hale.

Thomas Miller.

by his attorney.
J. P. Hale

UNITED STATES PATENT OFFICE.

THOMAS MILLER, OF EAST BOSTON, MASSACHUSETTS.

IMPROVEMENT IN OIL-CABINETS.

Specification forming part of Letters Patent No. 144,856, dated November 25, 1873; application filed March 3, 1873.

To all whom it may concern:

Be it known that I, THOMAS MILLER, of East Boston, of the county of Suffolk and State of Massachusetts, have invented an Improvement in what are termed Oil-Cabinets; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, in which—

Figure 1 denotes a front elevation of a cabinet constructed in accordance with my invention, the lid being represented as raised. Fig. 2 is an end view with the lid closed. Fig. 3 is a central vertical and longitudinal section taken through the waste-receiving pipe and its hydraulic seal.

The object of my invention is to produce an oil-cabinet which shall not only be cheap in construction, and readily taken apart in order to enable its reservoir to be either filled or cleansed, but whose upper part shall have all the capacity of cabinets of this character, as heretofore made.

My invention may be said to be an improvement upon that class of oil-cabinets shown and described in Letters Patent No. 101,070, and dated March 22, 1870, granted to myself, M. H. Wiley, and J. H. B. Lang.

Heretofore, in the construction of this class of furniture, the same has been made with an entire outer casing of wood, the interior of such structure being lined with zinc to the requisite height, to give the desired capacity to the oil receptacle or tank, and another compartment termed a "sink"—a metallic plate or partition, to serve the double purpose of a top to the tank and a bottom to the sink, being soldered to the walls of the lining, thus forming the interior into two compartments.

Under such construction it has been found to be a very difficult operation to repair the tank should it become necessary, as it was impossible to get at the lining, either on the inside or the outside, without either unsoldering the top or removing the wooden casing. Neither was there any means of cleansing the interior of the tank should it be necessary.

My invention is intended to obviate all these disadvantages; and consists in an improved manufacture of cabinet, as made by forming the case thereof in two separate

parts, which can be readily attached or disconnected, as circumstances may demand, the lower part being made entirely of metal, and the upper one of wood, having a metallic-lined sink affixed to its lower end.

In the drawing, A denotes an oil tank or receptacle, which is of a rectangular shape, and formed of plates of galvanized iron or zinc, of suitable thickness, soldered together, the said receptacle or tank being open at top. B is a wooden case, which surmounts the tank, its lower edge being formed with channels to receive and fit upon the upper edge of the tank, and so as to make a tight connection therewith. The part B is formed with a sloping front, and provided with a hinged lid, C. Within the chamber of the part B is a sink, D, whose metallic bottom forms a covering to the tank A. This sink is provided with a pump, E, which extends down into the tank A. It is also provided with a waste-receiving tube, F, by which the drippings and waste oil are conveyed back into the tank. The pipe F is furnished with a hydraulic seal, which consists of a shallow, meniscus-shaped vessel, G, suspended by arms from the pipe, as shown in Fig. 3, the top of the cup or vessel G being disposed on a plane above the bottom of the pipe, so that the oil running down the tube shall fill the vessel, and thus keep the pipe sealed and thereby prevent the gas, vapor, or odor of the oil from escaping through the pipe into the sink or room.

From the above, it will be seen that by my improved construction of the cabinet I not only effect a large saving in the cost thereof, but also enable the parts to be readily taken apart for repairs or otherwise, as may be necessary.

What I claim as my invention is as follows:

As an improved article of manufacture, the improved oil-cabinet, as described, the same consisting of the two parts A and B, as shown, the base or lower part being composed of metal, and the part B of wood, having a metal sink, D, of a like area of the part A, and provided with lid C, as described.

THOMAS MILLER.

Witnesses:

F. P. HALE,
F. C. HALE.