(No Model.)

M. S. DIAMOND.

BED PAN.

No. 533,790. Patented Feb. 5, 1895.

Fig: 1

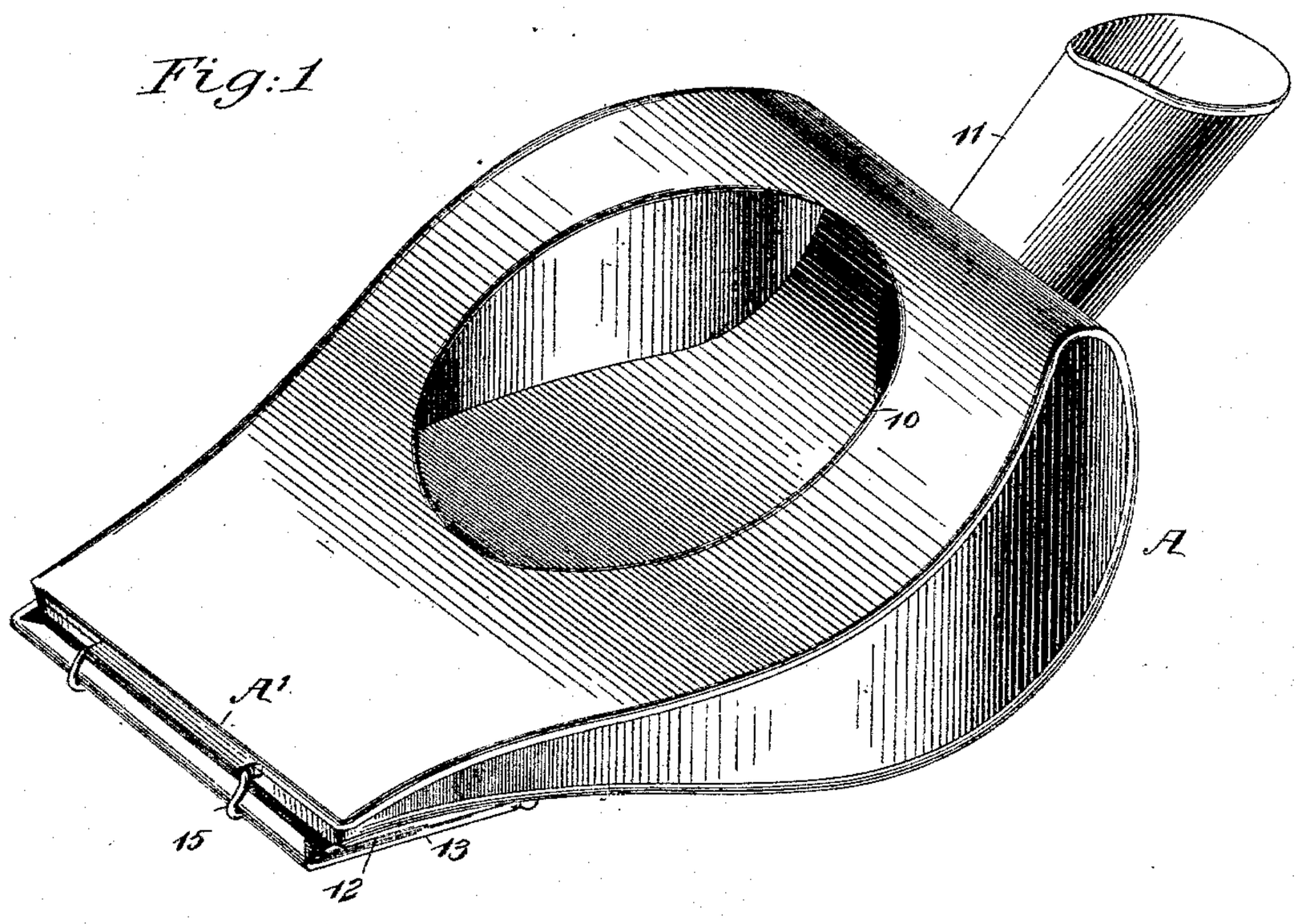
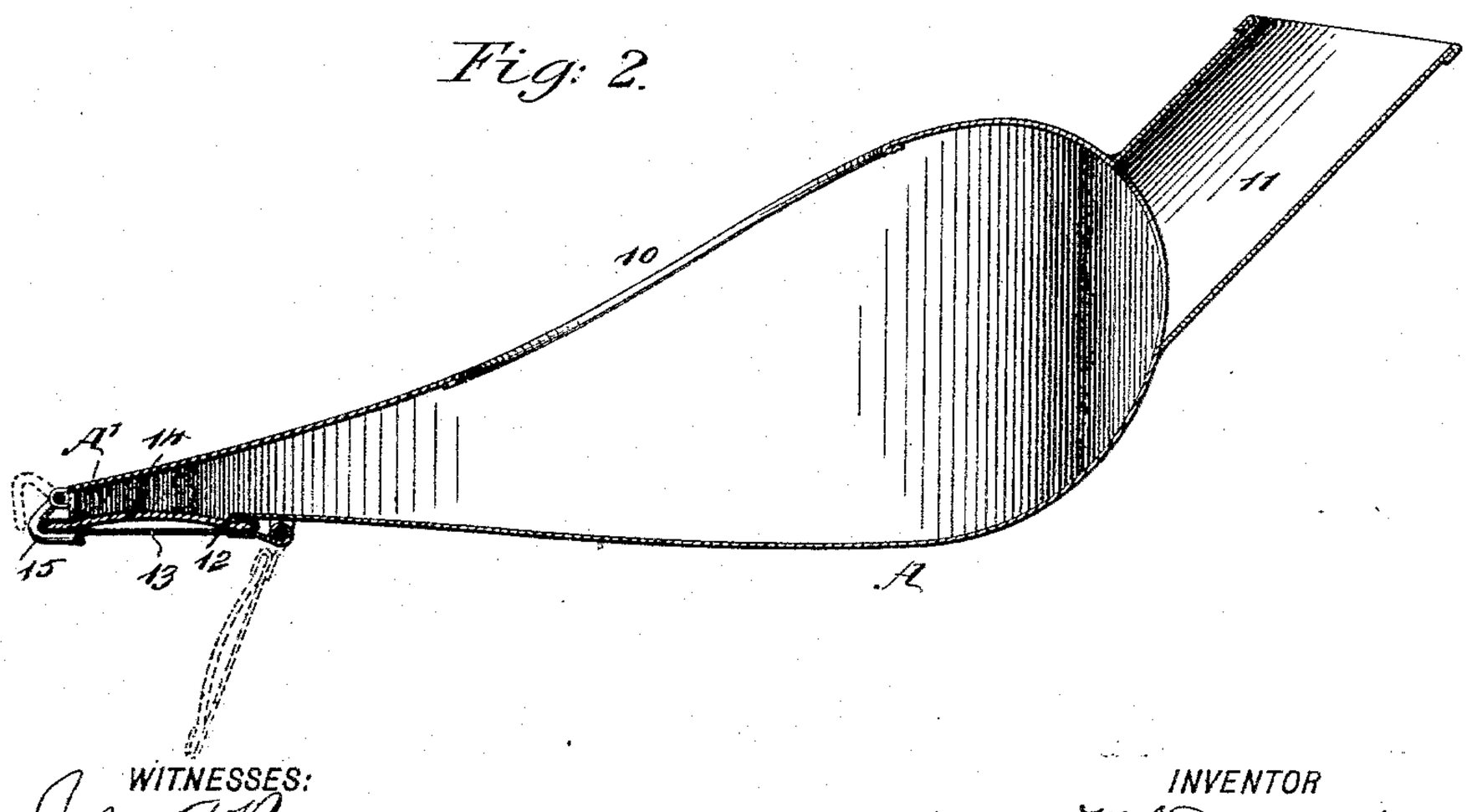


Fig: 2.



WITNESSES:

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MOSES S. DIAMOND, OF NEW YORK, N. Y.

BED-PAN.

SPECIFICATION forming part of Letters Patent No. 533,790, dated February 5, 1895.

Application filed May 26, 1894. Serial No. 512,538. (No model.)

To all whom it may concern:

Be it known that I, MOSES S. DIAMOND, of New York city, in the county and State of New York, have invented a new and Improved Bed-Pan, of which the following is a full, clear, and exact description.

My invention relates to an improvement in bed pans, and it has for its object to provide a means whereby the bed pan may be rendered exceedingly comfortable to a patient, and may be constructed of a minimum of thickness at its tapering or forward end, and principally to provide a means whereby the bed pan may be expeditiously and conveniently cleansed, and whereby also said pan may be rendered very light, yet durable and economic in its construction.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in both the views.

Figure 1 is a perspective view of the improved bed pan; and Fig. 2 is a vertical longitudinal section through the same, illustrating in dotted lines the door open for the purpose of cleaning.

In carrying out the invention the body A of the bed pan is given the usual shape except that at its forward end A′ it is considerably reduced in thickness over the china or other forms of bed pans heretofore constructed. The pan is preferably made of zinc, or a similar material, whereby it is both durable and light, and it is provided with the usual opening 10 in its upper concaved face. At the rear of the body a tubular handle 11 is located, which handle is made to extend upwardly and rearwardly at more or less of an acute angle to the body, its downward inclination being exceedingly decided.

At the forward end of the pan an opening 12, is made in the bottom thereof, extending a predetermined distance rearward, the opening commencing at the forward edge; and this opening is normally closed through the medium of a door 13, capable of dropping downward, the said door being of such length as to extend preferably beyond the forward edge of the body of the pan, as shown in the drawings; and the said door is preferably provided at both ends and its forward side with upwardly and inwardly curved flanges, adapted to hold in place a sealing covering 14, constructed preferably of rubber, and the covering is so placed upon the door that it will arch upward from the body of the latter, as is best shown in Fig. 2.

A keeper 15, is located upon the forward edge of the pan, the said keeper being preferably made in the shape of an angular tapering bar of yoke-like construction and made from one piece of material, whereby the said keeper, by being hinged or pivoted upon the front edge of the body, may be thrown upward to permit the door to drop, as shown in dotted lines in Fig. 2, or may be made to engage with the outwardly-extending forward edge of the door to hold the latter in its upper position and in sealing contact with the margin of the opening 12 in the bottom of the pan.

It will be observed that by constructing the pan in the manner above set forth, namely, of sheet metal, and likewise providing it with a door 13, by placing the handle 11 under a tap, or by pouring water into said handle and opening the door, the pan may not only be expeditiously but thoroughly cleansed, and likewise may be thoroughly aired. It is likewise obvious that when making the pan of sheet metal, the nose or forward end thereof may be so reduced in thickness as not to inconvenience a patient when the pan is being placed in position, or when the pan is in use, and the exceeding lightness of the pan will enable one even though possessed of but little strength, to carry it from place to place, and successfully place it in position.

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

1. As an improved article of manufacture, a bed pan having an inclined upper surface and provided with an opening in its bottom at the extreme forward end and with a door for closing the said opening, as set forth.

2. As an improved article of manufacture, a bed pan having an inclined upper surface and provided with an opening in its bottom

at the extreme forward end, a door hinged to the bottom at the rear edge of the opening thereof, and means for locking the said door closed, substantially as described.

3. In a bed pan, the combination with the body having an inclined upper surface and provided with an opening in its bottom at the extreme forward end, of a door hinged to the bottom at the rear edge of the opening thereof, and a yoke-shaped keeper hinged to the forward edge of the body of the pan and engaging the door to hold it closed, substantially as described.

4. In a bed pan, the combination with the body having an inclined upper surface and provided with an opening in its bottom at the extreme forward end, of a door hinged to the bottom at the rear edge of the opening thereof, an arched sealing cover secured to the upper surface of the door, and a keeper hinged to the forward edge of the pan and engaging the said door, substantially as described.

5. A bed pan, the same comprising a body having an inclined upper surface and provided with an opening therein on the bottom at its nose or forward edge, a hinged door adapted to seal the said opening and capable of uncovering the same, a hinged keeper whereby the door is held in sealing position, and a tubular handle located at the rear of the body, substantially as shown and described.

MOSES S. DIAMOND.

Witnesses:
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