

(No Model.)

W. A. & W. C. WALES.
FOLDING BED.

No. 548,857.

Patented Oct. 29, 1895.

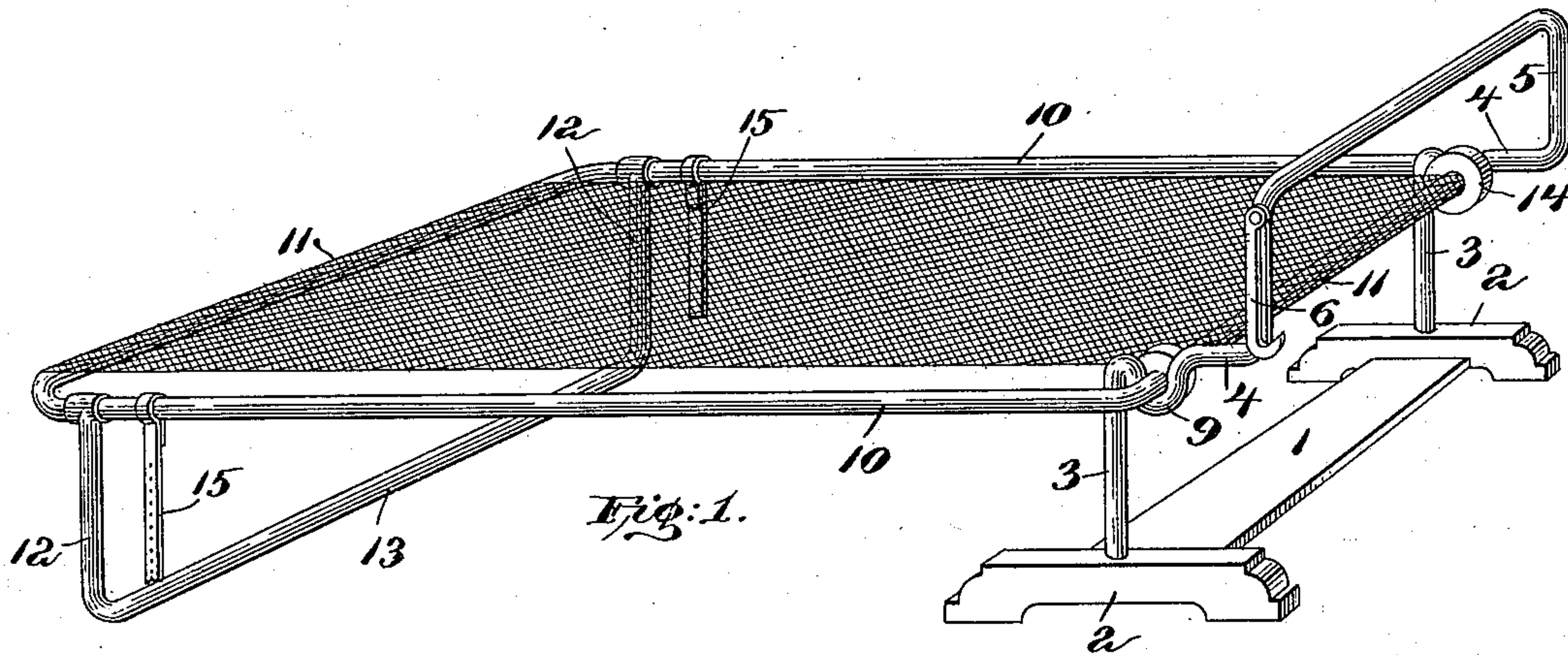


Fig. 1.

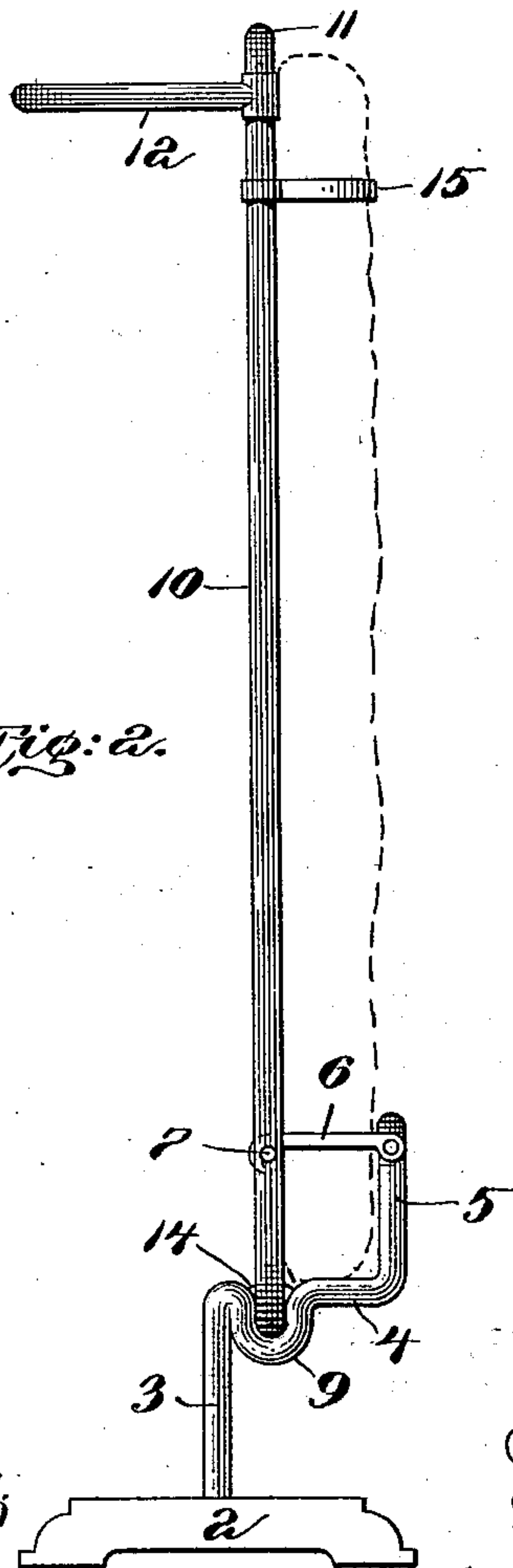


Fig. 2.

Witnesses:

Arthur J. Randall,
C. M. Sweeney.

Inventors:

William A. Wales
William C. Wales
by Mancel Balvers Randall
their Attorney

UNITED STATES PATENT OFFICE.

WILLIAM A. WALES, OF NEW YORK, N. Y., AND WILLIAM C. WALES, OF
MEDFORD, MASSACHUSETTS.

FOLDING BED.

SPECIFICATION forming part of Letters Patent No. 548,857, dated October 29, 1895.

Application filed August 8, 1895. Serial No. 558,588. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM A. WALES, residing at New York, in the county and State of New York, and WILLIAM C. WALES, residing at Medford, in the county of Middlesex and State of Massachusetts, citizens of the United States, have invented certain new and useful Improvements in Folding Beds, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention has for its object to provide a folding bed which shall be simple, inexpensive in construction, easy of manipulation in opening or closing, and readily cleaned or fumigated to meet the requirements of hospitals and the like.

Our invention is fully set forth and will be readily understood from the following description, in which reference is made to the accompanying drawings, and the novel features thereof are pointed out and clearly defined in the claims at the end of this specification.

In the accompanying drawings, Figure 1 is a perspective of the frame of a bed embodying our improvement, said frame being in the position which it occupies when the bed is open. Fig. 2 is a side view showing the bed raised into its closed position.

The cross-piece 1 and short uprights 2 2 form a stand or base. From the uprights 2 2 rise other uprights 3 3. The uprights 3 3 have offset portions 4 4, provided with depressions 9, and the said portions 4 4 are continued by upright extensions 5 5. The latter may be connected by a transverse portion 51, if desired, the whole forming, as indicated in Fig. 1, a head-piece for the bed when the latter has been turned down into position for use. Preferably the uprights 3 3, offset portions 4 4, having depressions 9, and the extensions 5 5 and transverse piece 51 are formed of a single piece of metal rod or tubing, which is bent into the required form.

10 10 are the side bars of a bed-frame, and 11 11 are the end bars thereof. The said side bars preferably are formed of metal rod or tubing properly bent and joined to form the rectangular frame, which is shown.

15 is a support for bedding, it being con-

stituted by a sheet of so-called "woven wire" or of other suitable material attached to the bed-frame.

One of the end bars 11 rests in the depressions 9, which, as above described, are provided in the offset portions 4 4 of the uprights 3 3. The said end bar is free to rotate in the said depressions, so that the bed-frame may be swung from the position which it occupies in Fig. 1 into the upright position in which it is represented in Fig. 2, or vice versa. To prevent sidewise movement of the bed-frame, collars 14 14 are provided on the end bar 11, which fits into the recesses 9, said collars being secured in place adjacent to the offset portions 4 4, so as to contact therewith and limit the sidewise play of the bed-frame.

12 12 are legs or supports, which are provided at the free or foot end of the bed-frame to sustain the same when turned down into the position of Fig. 1. These legs may be formed integral with a transverse connecting-piece 13, and in that case both legs 12 12 and the said transverse connecting-piece 13 as well will be formed of a single piece of tubing or rod bent into shape.

6 is a hook pivoted to one of the upright portions 5 and engaging with a pin or projection on one of the side bars 10 to hold the bed-frame in the raised position which is represented in Fig. 2.

15 15 are straps, only parts of which are shown in Fig. 1, which may be employed to bind the bedding in place, as indicated in Fig. 2, so that it will not fall down when the bed-frame is swung up, as in the latter figure. These straps may be omitted, if desired.

When the bed-frame is swung up into the position in which it is represented in Fig. 2, a curtain may be hung from legs 12, if desired, thereby concealing the parts of the bed from view.

As will be obvious, the entire structure may be made of metal, thereby affording every opportunity to clean the parts or to fumigate them without danger of injury to them. Since the bed-frame is readily detachable from the uprights 3 3 by simply lifting it out of the bearings constituted by the depressions 9, opportunity is afforded to dismantle the bed easily for any purpose desired.

Our bed is particularly adapted for use in hospitals and similar institutions where cleanliness is important and where a bed of simple and economical construction, which will take
5 up a minimum amount of room, is frequently required.

We claim as our invention—

1. The combination with a stand provided with uprights 3, 3, having offset portions 4, 4,
10 formed with depressions 9, of the bed-frame 10, 10, 11, 11, having one of its end-bars 11 received in the said depressions and provided with collars 14 to prevent lateral movement of said bed-frame, substantially as described.

15 2. The combination with a stand provided with uprights 3, 3, having offset portions 4, 4,

formed with depressions 9, and an upright continuation 5, of the bed-frame 10, 10, 11, 11, having one of its end-bars 11 received in the said depressions and provided with collars 14
20 to prevent lateral movement of said bed-frame, and the hook 6 applied to the part 5, and serving to hold the bed-frame in its raised position, substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses. 25

WILLIAM A. WALES.
WILLIAM C. WALES.

Witnesses:

THOMAS MORAN,
G. A. C. BARNETT.