Jan. 6, 1931. J. P. AMARAL 1,788,267

SHAVING STAND

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Fig. 1.

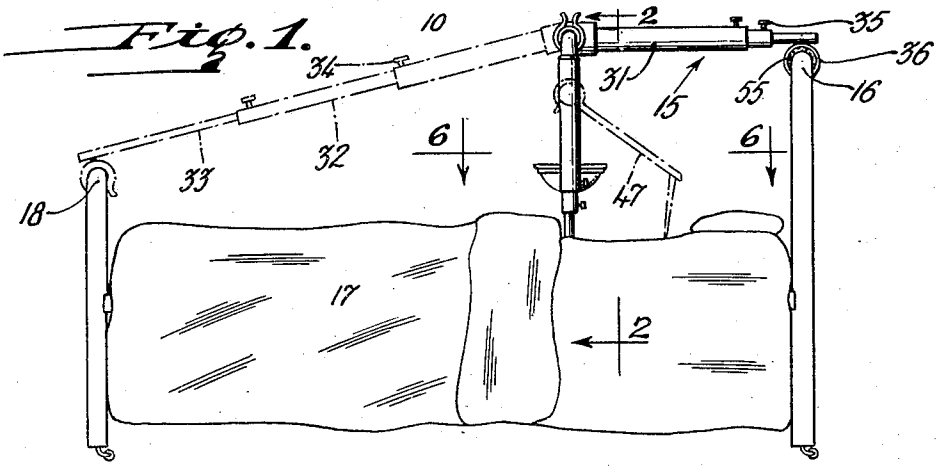


Fig. 2.

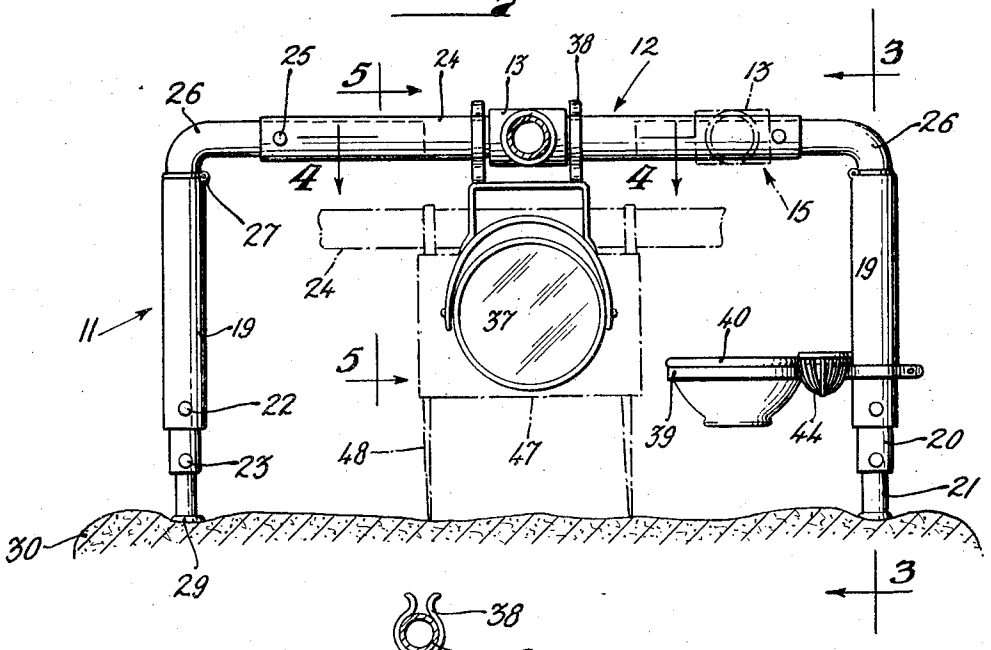
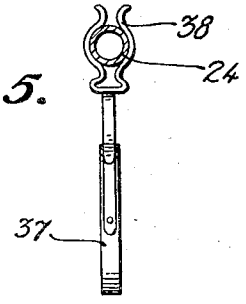


Fig. 5.



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Fig. 3.

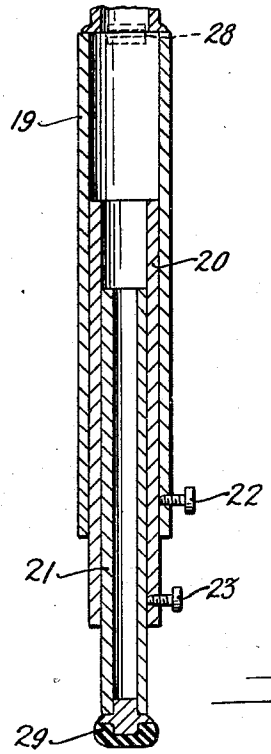


Fig. 4.

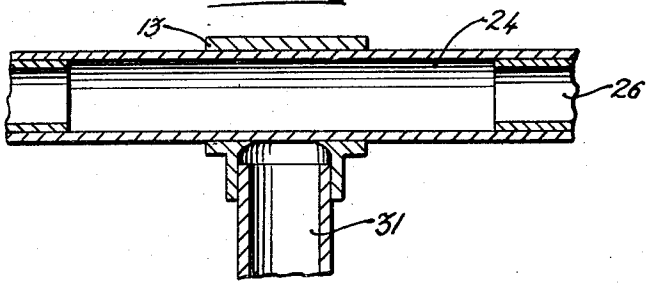


Fig. 6.

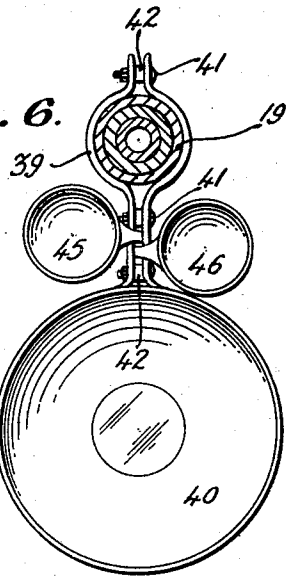


Fig. 9.

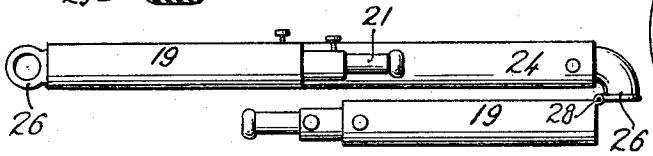


Fig. 8.

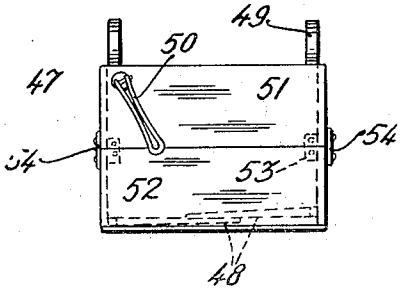


Fig. 7.



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Patented Jan. 6, 1931 1,788,267

UNITED STATES PATENT OFFICE

JESSE PAIVA AMARAL, OF NEW YORK, N. Y.

SHAVING STAND

Application filed July 23, 1929. Serial No. 380,323.

This invention relates to shaving stands and has particular reference to a stand which is adjustably attachable to a bed.

The primary object of the invention is the provision of means for supporting in convenient positions, within reach of a person in a bed, the essential equipment for performing the daily functions which are necessary to preserve the health and comfortable condition of such a person.

Another object of the invention is to provide a stand for removably supporting at one time, within reach of a patient in a bed, the whole of the articles required for the daily ablution and cleaning performances, with a view to obviating the necessity of waiting, after having used some articles, for the arrival of others.

A further object of the invention is to provide, for removably attaching to beds in hospitals or other places, facilities which include an adjustable mirror, so that a patient who is obliged to retain a prone position in a bed and who wishes to relieve attendants of undue burdens, may perform such functions as shaving and washing without assistance by the attendants.

A still further object is the provision of a bed attachment of the kind described which, after having been used, may be greatly reduced in bulk by telescoping some of its parts and folding others, so that the attachment may occupy a minimum space until required on the next occasion.

Figure 1 is a side elevational view of my improved attachment, shown in connection with a bed.

Figure 2 is an enlarged vertical sectional view on the line 2—2 of Figure 1.

Figure 3 is a vertical sectional view, further enlarged and taken on the line 3—3 of Figure 2.

Figure 4 is a horizontal sectional view on the line 4—4 of Figure 2.

Figure 5 is an elevational view, partly sectional, taken on the line 5—5 of Figure 2.

Figure 6 is a horizontal sectional view on the line 6—6 of Figure 1.

Figure 7 is a side elevational view of a utensil holder.

Figure 8 is a top plan view of a foldable writing table.

Figure 9 is a plan view of a frame in folded conditon.

Referring particularly to the drawings by reference characters, the numeral 10 designates the stand in its entirety, which is of substantially inverted U-shape and which includes a frame formed by a pair of extensible legs 11, and a connecting member or cross portion 12, which has slidably mounted thereon, as by a collar 13, an attaching or brace member 15, for securing the stand to the head rail 16 of a bed 17, said latter member, which is also extensible, being attachable to the foot rail 18 of the bed on certain occasions, as illustrated in dot and dash lines in Figure 1 of the drawing.

Each leg 11 includes a top tubular section 19, into which two sections 20, 21 of less diameter are telescopically movable, while set screws 22, 23 serve to hold the respective sections in any selected position. Adjustably carried in the opposite ends of the sleeve 24 of the cross member 12, and adapted to be held in selected positions by set screws 25, is a pair of elbows 26, the respective lower ends of which are formed with knuckles 27 for hingedly engaging mating knuckles on the sections 19 of the legs 11, there being hinge pins 28 in the apertures of said knuckles. The lower sections 21 of the legs are provided with extended bases or cushions 29 for resting on the mattress 30 of the bed.

The central section 31 of the attaching member 15 is secured in the collar 13, while the extension sections 32 and 33 are retainable in adjusted positions by set screws 34, 35. Attached to the outer end of the section 33, as by riveting, is a spring clip 36, which removably holds said section on the rail 16 or 18; while the collar 13 is slidable on the sleeve 24 for removing the attaching member 15, the legs 11 being swingable inwardly for folding the stand, one of the elbows 26 being first slightly turned or revolved in the sleeve 24, for allowing said legs to fold on different sides of the sleeve.

An adjustable mirror 37 is removably attached as by spring clips 38, to the sleeve 24,

while a bracket or support 39, which carries a receptacle 40 or container for holding water or the like, is held removably fixed to one of the legs 11 by bolts 41. Shims 42 space the legs of said bracket apart, between the basin 40 and section 19, for receiving the respective ears 43 of supports 44 or the like in which appropriate utensils 45, 46 are carried for accommodating such facilities as soap or brushes. Other materials such as towels may be carried on the stand 10.

As it is frequently desirable for persons confined to a bed to communicate with others, or to have access to written material or literature, it is necessary to provide a support for such material, and I therefore provide a removable table 47 for these purposes. Said table which is supported in front by foldable legs 48, is carried on the sleeve 24 by spring hooks 49, while a pivoted spring clip 50 serves to hold articles on the table, which is preferably included. The foldable leaves 51, 52 of the table are hinged at 53, and are held rigid when required by lock bars 54. The stand 10, when folded, may be packed in any suitable case or container.

As the stand 10 may be utilized by a person lying in a bed, or by a patient in a partly erect position, the legs 11 may be used at about the same length as shown in Figures 1 and 2, but said legs are adjustable to move the sleeve 24 to a lower position as indicated in dot and dash lines, in the said figures, or said sleeve may be raised to a much higher position. The attaching member 15 may also be moved laterally on the sleeve 24 and attached to the rail 16 adjacent one end of the latter, so that a patient may sit comfortably erect while the stand 10 is still in a low position. This latter position of the attaching member and its collar 13 is indicated in dot and dash lines in Figure 2. The legs 11 may also be adjusted in an inclined position.

In order to protect the surfaces of the rails of a bed during attachment or removal of the stand, which is preferably of nickel plated metal, the spring clips are padded, as at 55, on the inner surfaces thereof. Lamps may be associated with the stand according to requirements, and parts of the improvements may be used without others.

While I have described what I deem to be the most desirable embodiment of my invention, it is obvious that many of the details may be varied without in any way departing from the spirit of my invention, and I therefore do not limit myself to anything less than the whole of my invention limited only by the appended claims.

What is claimed as new is:

1. A foldable stand comprising a pair of supporting legs, a transversely disposed sleeve, a longitudinally disposed member adapted to be removably attached at one of its ends to the head rail of a bed, the opposite end of said member removably mounted on said sleeve, angularly disposed union members carried in the opposite ends of said sleeve, and hinges foldably connecting the respective top ends of said legs with said union members, one of said latter members being turnable in said sleeve for folding said legs on opposite sides of the said sleeve.

2. A stand of the class described comprising a frame having a pair of legs, a sleeve disposed between said legs and connected thereto, an attaching member mounted on said sleeve and adapted to removably connect said sleeve with the foot rail of a bed, and a table removably mounted on said sleeve and disposed forwardly thereof, said table including a pair of spaced supporting legs disposed opposite said sleeve.

In testimony whereof I hereby affix my signature.

JESSE PAIVA AMARAL.