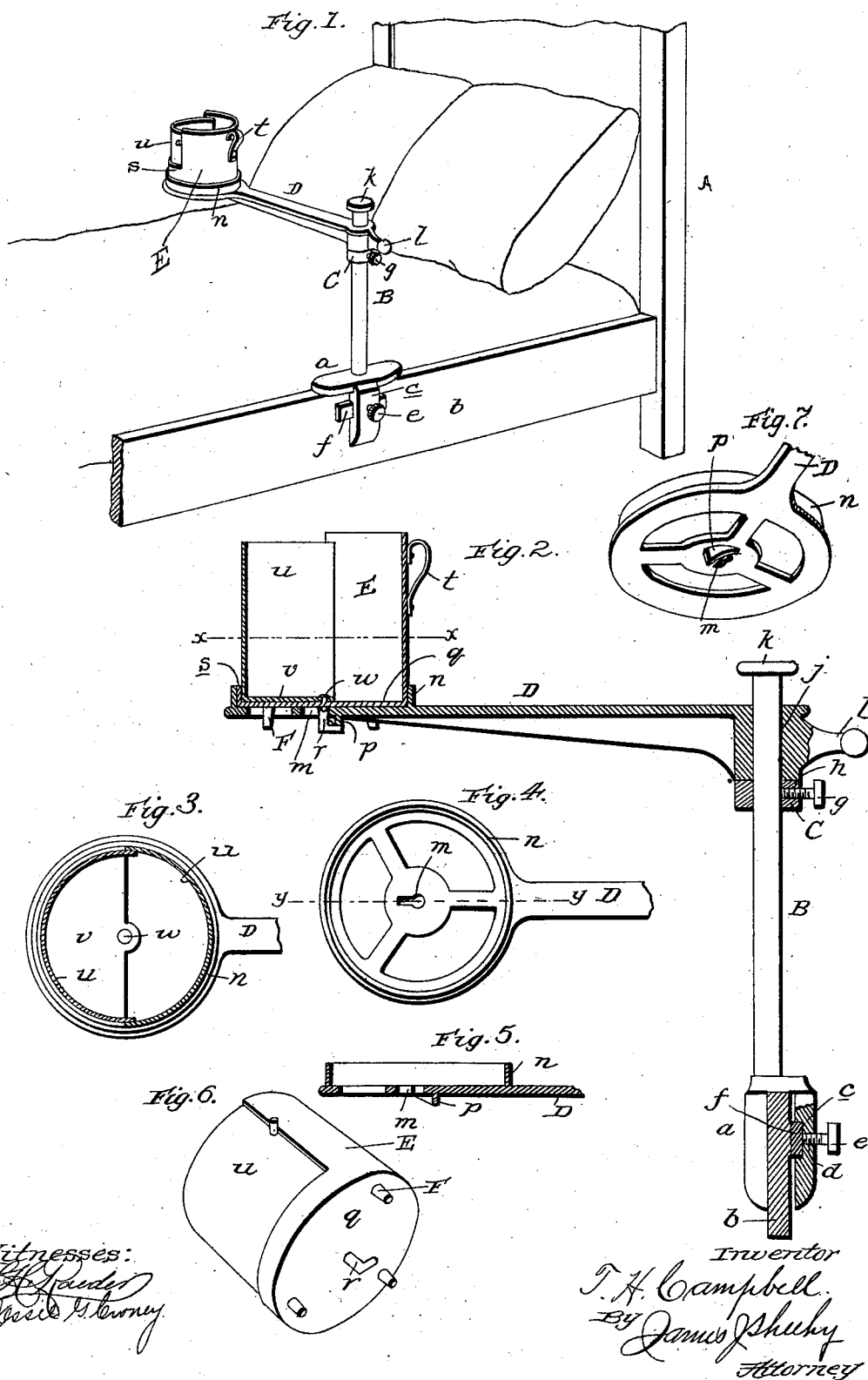


(No Model.)

T. H. CAMPBELL.  
BED ATTACHMENT.

No. 602,055.

Patented Apr. 12, 1898.



# UNITED STATES PATENT OFFICE.

THOMAS H. CAMPBELL, OF SEATTLE, WASHINGTON.

## BED ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 602,055, dated April 12, 1898.

Application filed May 20, 1897. Serial No. 637,420. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS H. CAMPBELL, a citizen of the United States, residing at Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Bed Attachments; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in bed attachments designed more particularly for use in the sick-room; and it has for its object to improve that class of attachments which are connected to the rail of a bed by simplifying the construction and rendering the same easy of operation by the patient or person lying in bed, the parts being so arranged that the patient may without the aid of an attendant bring to the mouth a holder carrying a cuspidor or other vessel and after use remove the same to a suitable place and, if necessary, out of sight by a slight movement of the hand.

The many advantages of the invention will appear from the following description and claims when taken in connection with the annexed drawings, in which—

Figure 1 is a perspective view of my improved device, showing the same applied to a bed, with parts of the latter broken away. Fig. 2 is a longitudinal sectional view with the standard in elevation and a bed-rail in section. Fig. 3 is a sectional view taken in the plane indicated by the dotted line  $xx$  on Fig. 2. Fig. 4 is a plan view of a part of the swinging arm. Fig. 5 is a sectional view taken in the plane indicated by the dotted line  $yy$  on Fig. 4. Fig. 6 is a perspective view of the spittoon or other vessel holder removed from the arm, and Fig. 7 is an inverted perspective view of the horizontal arm.

Referring by letter to the said drawings, A indicates a bed-frame, which may be of any ordinary or approved construction, being here shown for the purpose of illustrating my improvements applied, and forms no part of my invention.

B indicates an upright, which may be either hollow or solid and round in cross-section. This upright is bifurcated at its lower end, as shown at  $a$ , so as to straddle the rail  $b$  of a

bed, and one branch  $c$  of this bifurcation is screw-tapped transversely at  $d$  to receive the thumb-screw  $e$ . This thumb-screw carries at its inner end a washer or plate  $f$ , which may be faced with felt or other suitable material, so as not to mar or injure the bed-rail when the screw has been turned to clamp or secure the bifurcated portion of the upright to the rail.

C indicates a collar which is placed upon the upright B and is adjustably secured thereto by means of a screw  $g$ , which takes through a threaded aperture  $h$  in said collar and impinges against the rod, as shown.

D indicates a horizontal arm. This arm has an eye  $j$  near one end to receive the rod or upright B and is designed to rest upon the collar C. Said upright may have a headed nut  $k$  at its upper end to prevent the arm from being casually removed. This arm is provided at one end with a handle  $l$ , which may be in the shape of a ball or other suitable design for convenient manipulation by the patient, and the opposite end of the arm terminates in an enlargement, which is shown as of a circular form. This enlargement is preferably of a skeleton form and is provided in its center with a vertically-disposed keyhole-slot  $m$ . The enlarged portion is provided on its upper side concentric to the slot with a vertical annular flange  $n$ , and on its under side it is provided with a curvilinear inclined plane  $p$ , for a purpose which will presently appear.

E indicates a holder, which is designed more especially for use as a cuspidor, although it may be used as a holder for a lamp or other article that may be placed therein. This receptacle, as better shown in Fig. 6 of the drawings, is of a general cylindrical form in outline and comprises a circular base  $q$ , depending from the center of which is an angular stud or key-shaped projection  $r$ , which is designed to take into the keyhole-slot  $m$  of the arm, and when turned in one direction the angular branch of said stud will ride down the inclined plane  $p$  on the under side of the arm, so as to secure the holder in its seat, and when turned in the opposite direction will ride up the incline, so as to allow the holder to become loose in its seat, and the key when brought to register with the

slot may be removed from the arm. The holder is of a sufficient height and is cut away in its front wall, as shown at *s*, the back wall having a loop or handle *t* on its outer side, whereby the same may be taken hold of and moved from place to place. The cut-out portion of the holder is normally closed by a swinging section *u*, which is shown as of semicircular form and takes into the cut-out portion, with its semicircular base *v* resting on the base of the main section and pivoted thereto, as shown at *w*. The swinging section *u* may have a stop-pin, as shown, so as to retain the swinging section in proper position when the holder has been closed. In virtue of the construction just described it will be seen that when the holder is used as a cuspidor the patient, after moving the swinging section *u* to its open position, may conveniently expectorate into the holder without danger of expectorating over the same, and may then close said section *u*, so as to hide the contents of the holder from view. The holder is, furthermore, provided on its under side with legs *F*, there being three shown, and so disposed as to furnish a firm footing for the holder and its contents when removed from the horizontal arm and prevent any tilting of the same which would tend to occur by reason of the depending key or stud *r*.

A device of this character may be cheaply manufactured and finished in a tasty and ornamental manner, which would rather enhance than detract from the appearance of the bed to which it may be applied. It can be applied to any bed without marring or injuring the same, and the parts will permit of

ready detachment, so that they may be packed into a small parcel and occupy but little space when not in use.

It is obvious that the holder may be used for many purposes not here indicated.

Having thus described my invention, what I claim is—

1. The holder comprising the fixed section having the central depending angular stud or key, and also having the legs, and the swinging section pivoted as described and arranged in the cut-out portion of the fixed section so as to open and close the same, in combination with the horizontal arm adapted to be supported on a bed-rail and having the vertically-disposed keyhole-slot with the inclined plane on the under side, and the annular flange on its upper side, substantially as specified.

2. The upright, having its lower end bifurcated, and one of its branches screw-tapped to receive a thumb-screw for fastening the same to a bed-rail, in combination with the horizontal arm arranged on the upright and adjustably supported by means of a collar, said arm having a handle at one end, and its opposite end having an annular flange on its upper side and a vertically-disposed keyhole-slot, and a holder having a depending key or angular stud to take into said slot and secure the holder upon the arm, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS H. CAMPBELL.

Witnesses:

ARTHUR BURNS,  
H. B. RUNNELS.