

No. 669,378.

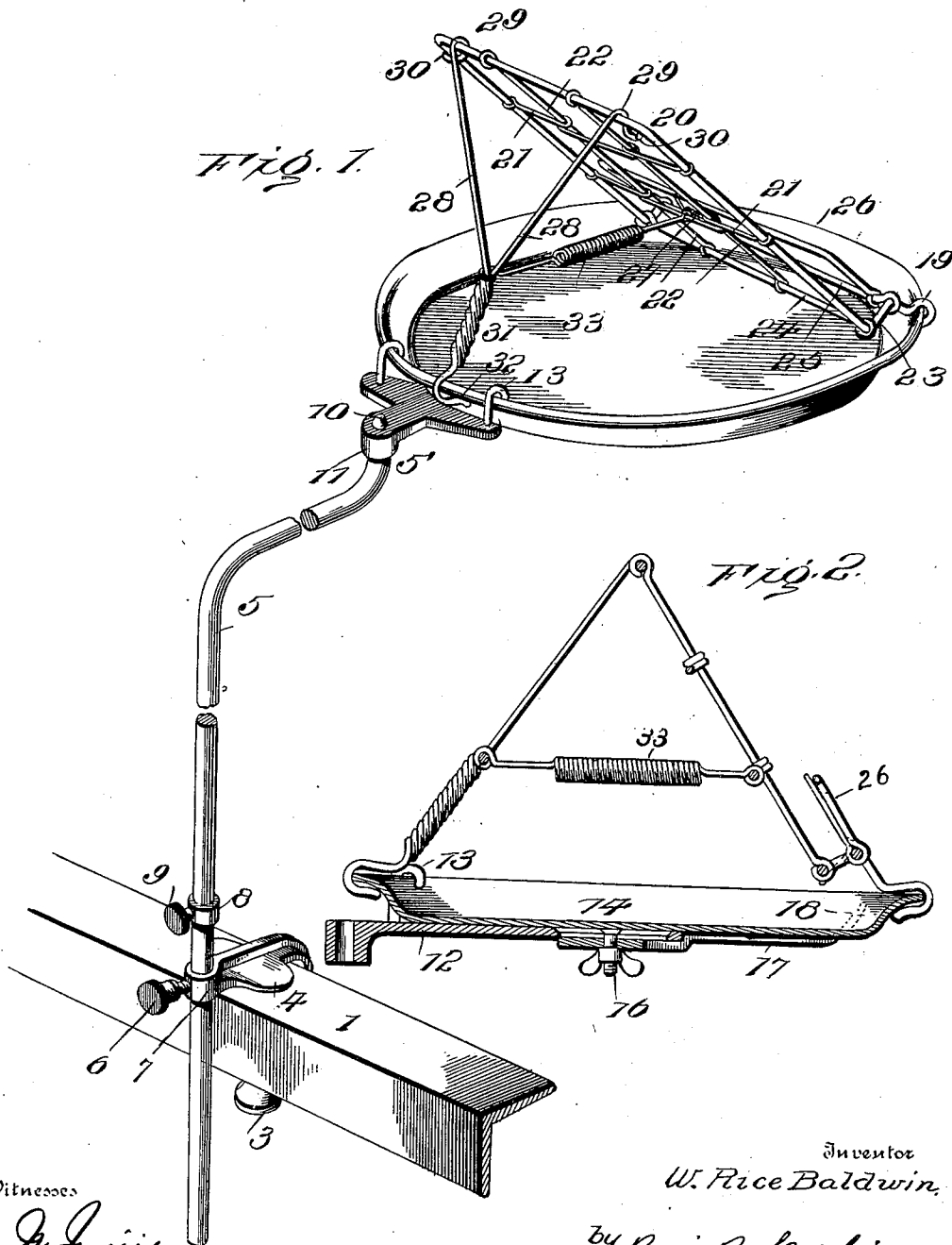
Patented Mar. 5, 1901.

W. R. BALDWIN.
BEDSTEAD ATTACHMENT.

(Application filed Feb. 21, 1900.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses

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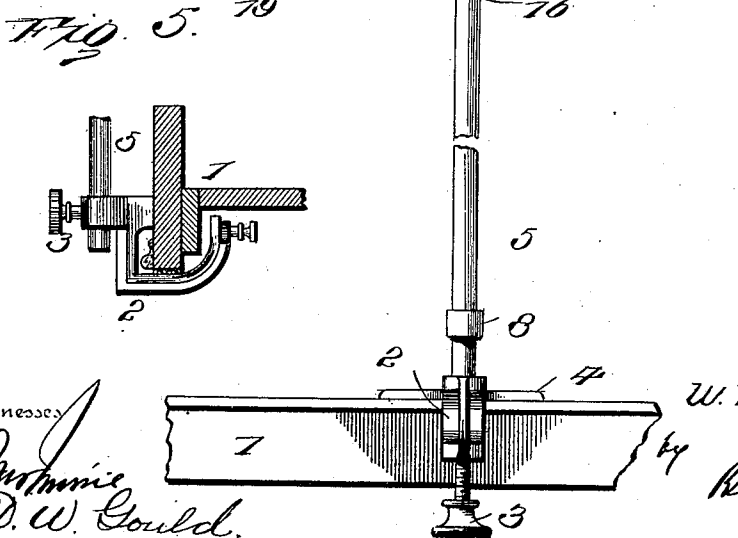
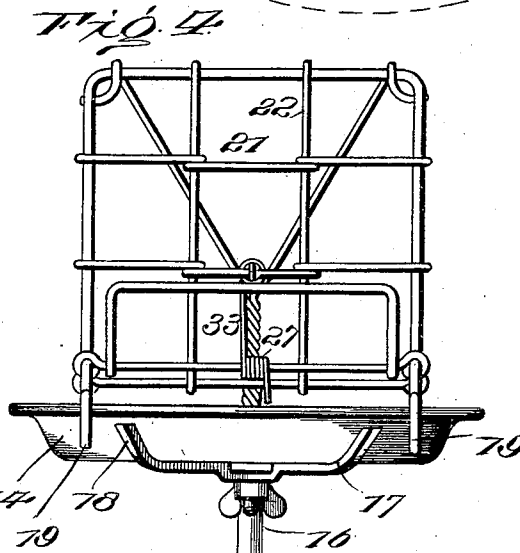
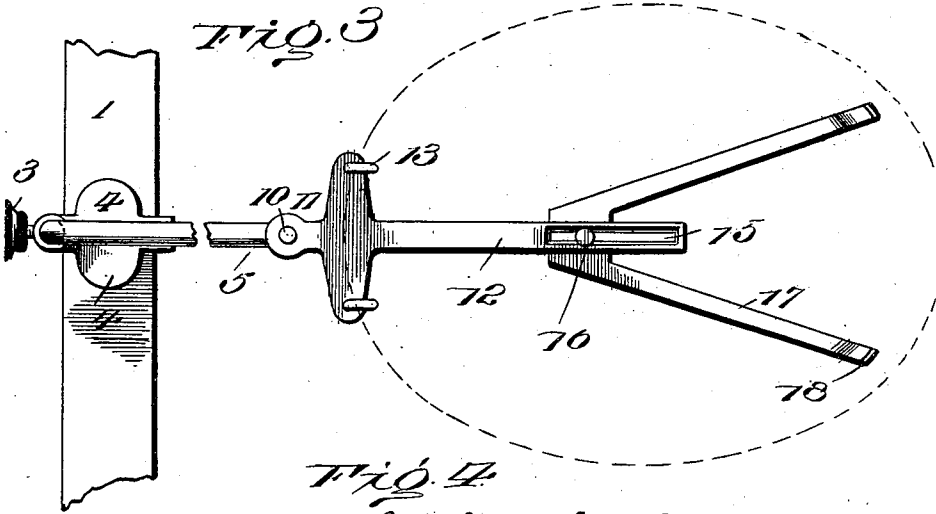
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2 Sheets—Sheet 2.



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UNITED STATES PATENT OFFICE.

WILBUR RICE BALDWIN, OF ELMIRA, NEW YORK.

BEDSTEAD ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 669,378, dated March 5, 1901.

Application filed February 21, 1900. serial No. 6,055. (No model.)

To all whom it may concern:

Be it known that I, WILBUR RICE BALDWIN, a resident of Elmira, in the county of Chemung and State of New York, have invented certain new and useful Improvements in Bedstead Attachments; and I do hereby 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 pertains to make and use the same.

The invention relates to a bedstead attachment comprising a book-holder having a tray for its base.

It has for its object to provide simple adjustable devices suitable for supporting various articles conveniently for the occupant of a bed or the like.

The invention consists in the construction hereinafter described and pointed out.

In the accompanying drawings, Figure 1 is a perspective of the attachment applied to a bed-rail. Fig. 2 is a section of the attachment. Fig. 3 is a plan of the tray-support. Fig. 4 is a front elevation of the attachment applied to a bed-rail. Fig. 5 is an elevation of a modified bracket.

Numeral 1 denotes a rail, and 2 a bracket having a fastening-screw 3.

4 denotes transverse bracket-wings to provide a bearing on the rail sufficient to insure stability.

5 is a bent post or standard, and 6 is a set-screw for fastening the standard in a bracket-ring 7.

8 denotes an adjustable stop-ring, and 9 a set-screw therefor.

The standard has a shoulder 5', and 10 is a pin to receive the ring 11 of a tray-support 12. The latter is in the form of a cross the short arms of which are provided with hooks 13 to embrace the rim or edge of a tray or other holder-base 14. The long member of the tray-support is slotted at 15, and it is adjustably connected, by means of a screw 16, with a two-armed extension 17, provided with upturned fingers 18 to embrace the tray at its front and below its rim. These fingers bear on the bottom of the rim and hold up the tray, as well as prevent its independent lateral movement. The tray can be placed on its support by simply tilting it and slipping the rear of its rim under the hooks 13 and then dropping the

front of the tray upon fingers 18, to be described. The weight of the tray and its contents holds it securely upon the support, the hooks and fingers guarding against either lateral displacement or tilting. The adjustability of the extension 17 adapts the support for trays of various dimensions.

Upon the tray is mounted a frame or rack having hooks 19, that engage its rim.

20 denotes the frame, conveniently made of wire. Its main part is preferably of rectangular form, and it is stiffened by cross wires or bars 21 and 22. The side wires of the frame are bent at 23 to form a rest for the lower edge of a book or other article to be held by the frame, which latter is supported on the tray, the whole constituting a book-holder. The bent-wire portions 23 are connected by wires 24 and 25. The side wires are extended beyond the bent portions 23 and formed into the beforementioned hooks 19.

26 is a subsidiary frame or spreader to hold a book open. It is also adapted to hold a book or other article against the main frame. 27 is a spring to keep it to its work. As indicated in Fig. 4, this spring is coiled about a cross-wire and has one end bearing on the outer side of the upper wire of the book-spreader and its other end bearing oppositely on a second cross-wire. The spreader being loosely connected with a cross-wire is held to its work on either books or leaves by the spring.

The upper edge of the main frame is supported from the rear of the tray by wires 28, which are bent around the upper frame-wire at 29 and are then bent outwardly at 30 to engage the side wires, which connections form hinges. The opposite ends of the wires 28 are twisted together, as indicated at 31, and one is prolonged and formed into a hook 32 to engage the tray-rim. The hooks 13 and 32 are grouped at the rear of the tray in manner to leave a large part of its perimeter and surface unobstructed.

33 is a spring to draw the frame and wire hooks toward each other and hold the hooks engaged with the tray. It can be expanded to permit the removal or application of the holder to its base-tray, and it provides that the holder may be applied to trays of different dimensions, which is further facilitated by

the simple wire connection of the frame and wires 28. The spring 33, in coöperation with wires 28, also serves to hold the tray-rim to the hooks 13. This spring-wire being detached at either end and the brace comprising the wires 28, twisted together at 31, being unhooked from the tray, said brace and spring can be folded upon the main part of the book-holding frame.

The holder can be used for books, magazines, papers, and various other articles. If desired, a plate or board may be held therein to suitably support writing or drawing paper, and the article is adapted for other similar uses. The base or tray surmounted by the holder can be utilized for holding a paper-cutter, pen, ink, pencils, brushes, paints, vessels containing water or other refreshments, or various other articles, according to circumstances, and obviously the holder can be removed and the base or tray used solely when desired.

As the standard 5 can be raised or lowered and can also be rotated in its support and the base or tray also swung about on the pin 10, situated above the shoulder 5', the base or tray and holder can be easily adjusted to the use of the occupant of a bed and when not in use can be swung out of the way. Any desired length can be given to the vertical and horizontal parts of the standard.

In Fig. 5 is shown a bracket adapted to be fastened to an ordinary wooden bedstead. This and other forms can be employed when convenient or necessary.

Having thus described my invention, what I claim is—

1. In a book-holder, the frame comprising the side wires bent to form side wire extensions 23, said extensions, the cross-wires 24 and 25 supported on said extensions, the cross-wires 21 and 22, the bent-wire spreader pivoted to cross-wire 25, the hooks extending below said latter cross-wire and continuous with said side wire extensions 23, the frame-supporting wires 28 provided with a hook, a spring to draw the frame and its supporting-wires toward each other, and a holder-base engaged by the several hooks.

2. In a book-holder, the book-holder base, the frame comprising the side wires bent to form transverse extensions 23, said extensions, the cross-wires 24 and 25 connecting the extensions to form a support for the lower edge of a book or other article, the cross-wires 21 and 22, the bent-wire book-spreader pivoted to cross-wire 25, the base-engaging hooks 19 continuous with the side wire extensions and extending below the spreader-supporting cross-wire, the frame-support comprising wires 28, the hook 32 whereby the wires 28 are connected to the base, and a spring 33 to hold said hooks engaged with said base.

3. The combination of the standard, the book-holder base having a rim, the cross-shaped base-support having hooks engaging above the base-rim at its rear and having fingers engaging the base below its rim, said fingers being bent upwardly to bear against the bottom of the base-rim whereby the front of the base is left unobstructed, and a book-supporting frame mounted on said base.

4. The book-supporting frame having base-engaging hooks, the brace comprising two wires 28, said wires each having an end bent around the frame-wire adjacent a corner and on each side thereof to form a loose hinge, the opposite ends of said wires being coiled together and one of them provided with a hook, and a base having a rim, said hooks being directly and loosely engaged with the rim to permit detachment of the base and the folding together of the brace and frame.

5. In a book-holder, a book-supporting frame, a frame-supporting base, said frame being mounted on the base by means of hooks engaging the same, said hooks, and a single spring to hold all the hooks removably engaged with the base-rim.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

WILBUR RICE BALDWIN.

Witnesses:

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