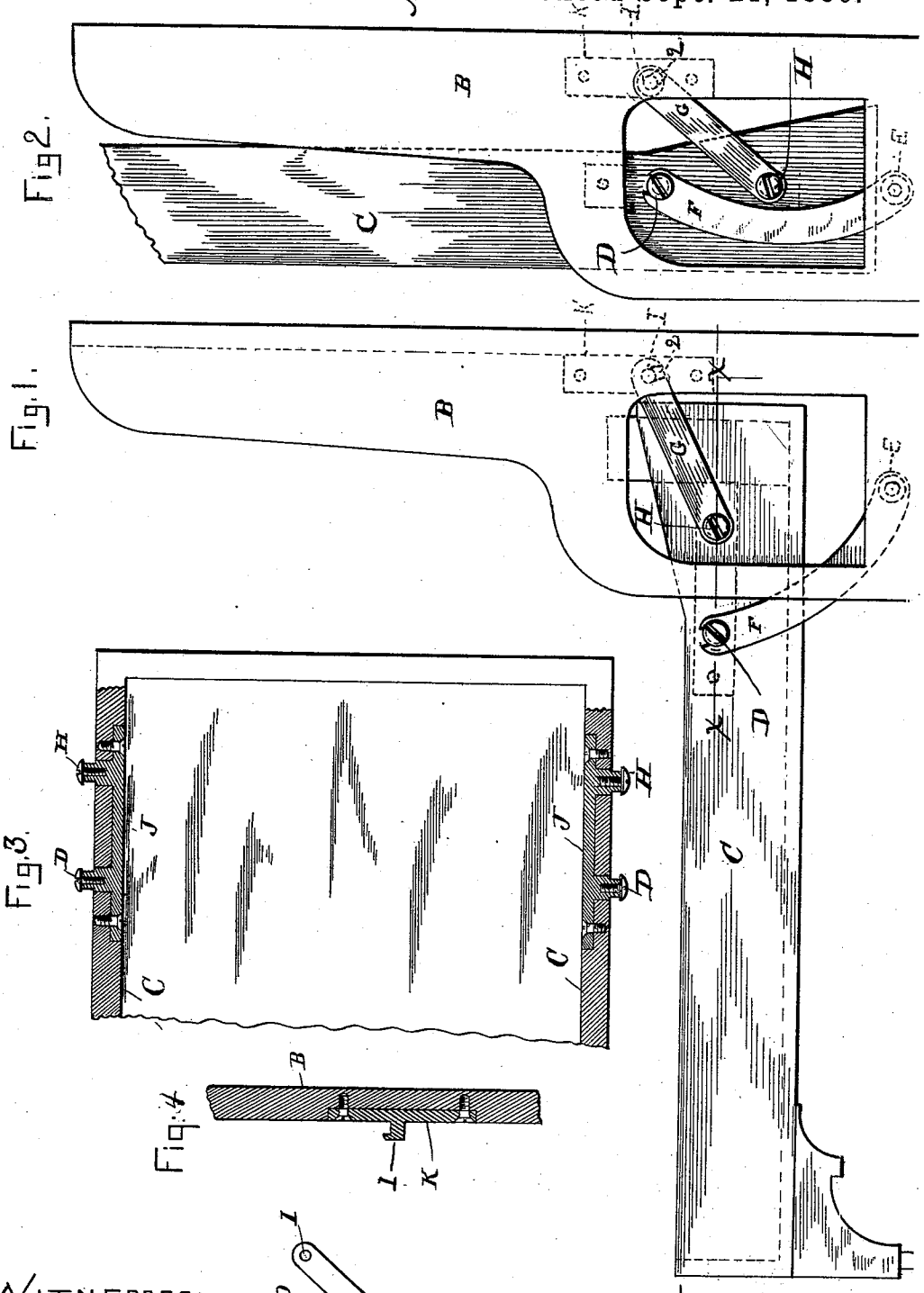
(No Model.)

P. A. GOULD & F. A. COOK.

FOLDING BEDSTEAD.

No. 349,643. Patented Sept. 21, 1886.



WITNESSES:
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A. D. Harrison

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UNITED STATES PATENT OFFICE.

PERLEY A. GOULD AND FRANK A. COOK, OF MELROSE, MASS., ASSIGNORS TO SAID GOULD AND WILLIAM H. WHITCOMB, OF SAME PLACE.

FOLDING BEDSTEAD.

SPECIFICATION forming part of Letters Patent No. 349,643, dated September 21, 1886.

Application filed December 24, 1885. Serial No. 186,610. (No model.)

To all whom it may concern:

Be it known that we, PERLEY A. GOULD and FRANK A. COOK, of Melrose, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Folding Bedsteads, of which the following is a specification.

Our invention relates to bedsteads of the class known as "folding" or "wardrobe" bedsteads, the object being to hinge or pivot the head of the bed proper to the sides of the casing in such manner as that when the bed is folded into the casing it will be brought into proper position, and when the bed is opened it will be brought "low down" or near the floor. These objects we accomplish by very simple means, which constitute our invention, as will be hereinafter fully described, and subsequently pointed out in the claims.

In the drawings hereto annexed and forming a part of this specification, Figure 1 represents a bed as opened and having our invention applied thereto. Fig. 2 is a like view representing the bed as folded or closed. Fig. 3 is a horizontal section on the line *x x* of Fig. 1, showing the means we prefer to employ for pivoting the supporting-straps to the side boards of the casing. Fig. 4 is a sectional detail showing how the end of the straps may be pivoted to the side rails of the bed. Fig. 5 is a detail view of a modification hereinafter referred to.

Similar letters of reference indicate corresponding parts in all the figures.

In the drawings, A represents the headboard of the stationary casing; B, the side boards thereof, and C the side rails of a wardrobe-bedstead as ordinarily constructed. The lower part of the side boards, B, are represented as cut away to better show our improvements.

To the side rails at D, on each side of the bed, is pivoted one end of a curved strap, F, the other end of said strap being pivoted at E to the lower end of the side boards, B. Straight straps G are pivoted by one of their ends at H to the side rails, C, and by their other ends at I to the sides B. The arrangement of the pivots or pivotal points is such that when the bed is folded pivots D, H, and E will be substantially in the same vertical plane and pivots D and I nearly in the same horizontal plane, the latter a little above the former, the curved form of strap F permitting pivot H and the connected end of straight strap G to take the position mentioned with respect to pivots D and E. The relation of the pivots is also such that when the bed is opened pivots D and H will be in the same horizontal plane. It is not essential that the strap F should have a curved form. If it were made straight, with a notch, *a*, formed in the side thereof, which would permit pivot H and the end of straight strap G, secured thereto, to assume a position in the same vertical plane with pivots D and H when the bed is folded, the same ends would be attained. This modification is represented in Fig. 5 of the drawings. By this construction, also, in the operation of opening the bed the head thereof not only does not come in contact with the floor or carpet, but the bed is carried bodily rearward to the position it is desired that it shall have when its feet rest upon the floor, as will be understood by reference to Fig. 1 of the drawings.

It is well known that in this class of beds it is desirable that they should be brought low down, that there should be no other work in opening and folding the bed than to draw down or raise the foot thereof, turning the bed on its pivotal connection with the casing, and that the pivoting means should be simple in construction and cheap of manufacture. All of these ends are attained by our invention.

That pivots D and H may always occupy the same positions with respect to each other, we prefer to construct a plate, J, with said pivots formed thereon and integral therewith. This plate we place upon or set into the inner sides of side rails, C, forming holes in said side rails for the pivots to project through, and secure the plate to the board by means of screws or otherwise, all as clearly represented in Fig. 3 of the drawings.

To afford a sufficient support or bearing for pivot I, we prefer to form said pivot integral with a plate, K, as represented in Fig. 4, and to set said plate into or secure it upon the inner side of side boards, B, any suitable means for securing the plates to the side boards may be employed.

In order that the bed proper or the side rails

thereof may be easily and conveniently detached from the casing, we notch the upper ends of straps G and E, as represented at 1 and 2, so that by simply taking hold of the head of the bed and lifting it up, raising strap G at the same time, the bed will become detached from the casing, as will be readily understood from an inspection of the drawings.

The form and construction of the devices just described may be varied as desired, or to meet the exigencies of any particular case or class of cases, without departing from the spirit of our invention.

We are aware of the existence of a bedstead constructed as shown and described in United States Patent No. 314,032, dated March 17, 1885, but disclaim anything discovered by said patent.

We claim—

1. A folding or wardrobe bedstead consisting of a casing or support and bed proper, said bed being connected with said casing by two straps on each side, and each pivoted at one of its ends to the casing and at the other end to the bed proper, the pivots of one strap and of one end of the other strap being in the same vertical plane when the bed is folded, as set forth.

2. A folding or wardrobe bedstead consisting of the casing or support and bed proper, said bed being connected with said casing by curved and straight straps, each pivoted at one of its ends to the casing and at the other to the bed proper, as set forth.

3. The combination, with the casing and bed proper, of the curved straps F and straight straps G, a curved and a straight strap being arranged on each side of the bed, and one end of each of said straps being pivotally secured to the bed and the other to the casing, as set forth.

4. The combination, with the casing and bed proper, of the curved straps F and straight straps G, one end of each of said straps being pivotally secured to the bed and the other to the casing, and one end of each of said straps having a notched pivotal bearing, as set forth.

5. The combination, with the casing and bed proper, of the curved straps F and straight straps G, one end of said straps being pivotally connected at D and H to the bed and at E and I to the casing, the construction and arrangement being such as that when the bed is folded pivots D and E will be in substantially the same vertical plane, and pivots D and I in nearly the same horizontal plane, and when the bed is open pivots D and H will be in substantially the same horizontal plane, as set forth.

In testimony whereof we have signed our names to this specification, in the presence of two subscribing witnesses, this 19th day of December, 1885.

PERLEY A. GOULD.
FRANK A. COOK.

Witnesses:
MELBOURNE H. HARDWICK,
H. J. KINNEY.