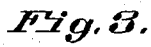


APPLICATION FILED AUG. 10, 1912.

Patented Mar. 4, 1913.



Charles Pickles
F. E. Maynard.

Waldon S. Ball,

BY *J. H. Strong*

ATTORNEY

UNITED STATES PATENT OFFICE.

WALDON S. BALL, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR TO NAPOLEON B. DOUGLASS, OF BERKELEY, CALIFORNIA.

WALL-BED.

1,054,894.

Specification of Letters Patent.

Patented Mar. 4, 1913.

Application filed August 10, 1912. Serial No. 714,362.

To all whom it may concern:

Be it known that I, WALDON S. BALL, a citizen of the United States, residing in the city and county of San Francisco and State of California, have invented new and useful Improvements in Wall-Beds, of which the following is a specification.

This invention relates to wall beds.

The object of the invention is to provide a portable wall bed construction which can be assembled in the factory, later to be set either in a wall recess, hung on a revolving panel, or simply stood against the wall to be used as a folding bed.

There are other objects and advantages which will be apparent hereinafter.

The invention consists of the parts and the combination and construction of parts as hereinafter more fully described and claimed, having reference to the accompanying drawings, in which—

Figure 1 is a side elevation with bed down in full lines and folded in dotted lines. Fig. 2 is a detail end elevation. Fig. 3 is a detail vertical section on line X—X, Fig. 2.

The invention comprises essentially a pair of vertical standards A, suitably supported a distance apart approximately equal to the width of the bed 2. Each standard has a pair of slots or guides 3—4; the slots 3 being disposed vertically at the lower front edge of the standards, while the slots 4 are arranged at a forward incline at the back and toward the top of the standards.

The head end of the bed is provided with roller bearing side projections, or lugs, 5, sliding up and down in the vertical slots 4, and cooperate with the underneath links 6 to support this end of the bed. The head-piece 7 has a hinged section 8, which latter is provided with laterally projecting lugs 9, which operate in the inclined slots 4; the upper ends of the slots 4 terminating approximately in the plane of the vertical slots 3, so that when the bed is opened out for use, the head-piece is approximately vertical and the space behind the head-piece concealed. In this position the bed has the appearance of an ordinary bedstead.

The lugs 5, 9 which run in the respective

slots 3, 4 are connected by springs 10, which latter act on compression as a counter-balance to facilitate the opening and closing of the bed. The vertical guide slots 3 insure the minimum amount of in and out movement of the bed, and therefore insure the bed being operated in the smallest possible space. The inclined slots 4 form not only a guide for the sectional head-piece, to allow for its proper movement, but in conjunction with the springs 10 provide inclined planes affording a frictional brake to facilitate the proper balancing of the bed. When the bed stands vertical it lies inside the pivots 11 of the lower ends of the links 6 so that there is no danger of the bed falling accidentally. The standards A may be mounted on a portable base 12. The latter can either be built into a wall recess, hung on a revolving panel, or mounted upon rollers to be moved about from place to place in a room.

Having thus described my invention, what I claim and desire to secure by Letters Patent is—

1. In a bed, the combination of a pair of standards, a bed disposed between the standards, said bed having lugs at one end projecting laterally to slide in vertical guides in the standards, whereby the inner end of the bed moves in a vertical plane when moved from a vertical to a horizontal position, supporting links pivoted to the bed, and a sectional head-piece having lugs operating in inclined guides in said standards.

2. In a bed, the combination of a pair of standards, a bed disposed between the standards, said bed having lugs at one end projecting laterally to slide in vertical guides in the standards, whereby the inner end of the bed moves in a vertical plane when moved from a vertical to a horizontal position, supporting links pivoted to the bed, a sectional head-piece having lugs operating in inclined guides in said standards, and springs connecting the sectional head-piece and the bed frame and acting in conjunction with said inclined slots as a counter-balance.

3. In a wall bed, the combination of a bed supported adjacent to its front end on links and having lateral lugs at its head end oper-

ating in vertical guides, said bed having a
head-piece with a hinged section, said hinged
section working in upwardly extending and
forwardly inclined guides, the outer end of
5 said sectional head-piece connected to the
head end of the bed by springs to provide a
counter-balance.

In testimony whereof I have hereunto set
my hand in the presence of two subscribing
witnesses.

WALDON S. BALL.

Witnesses:

A. C. KLENKE,
D. B. RICHARDS.