

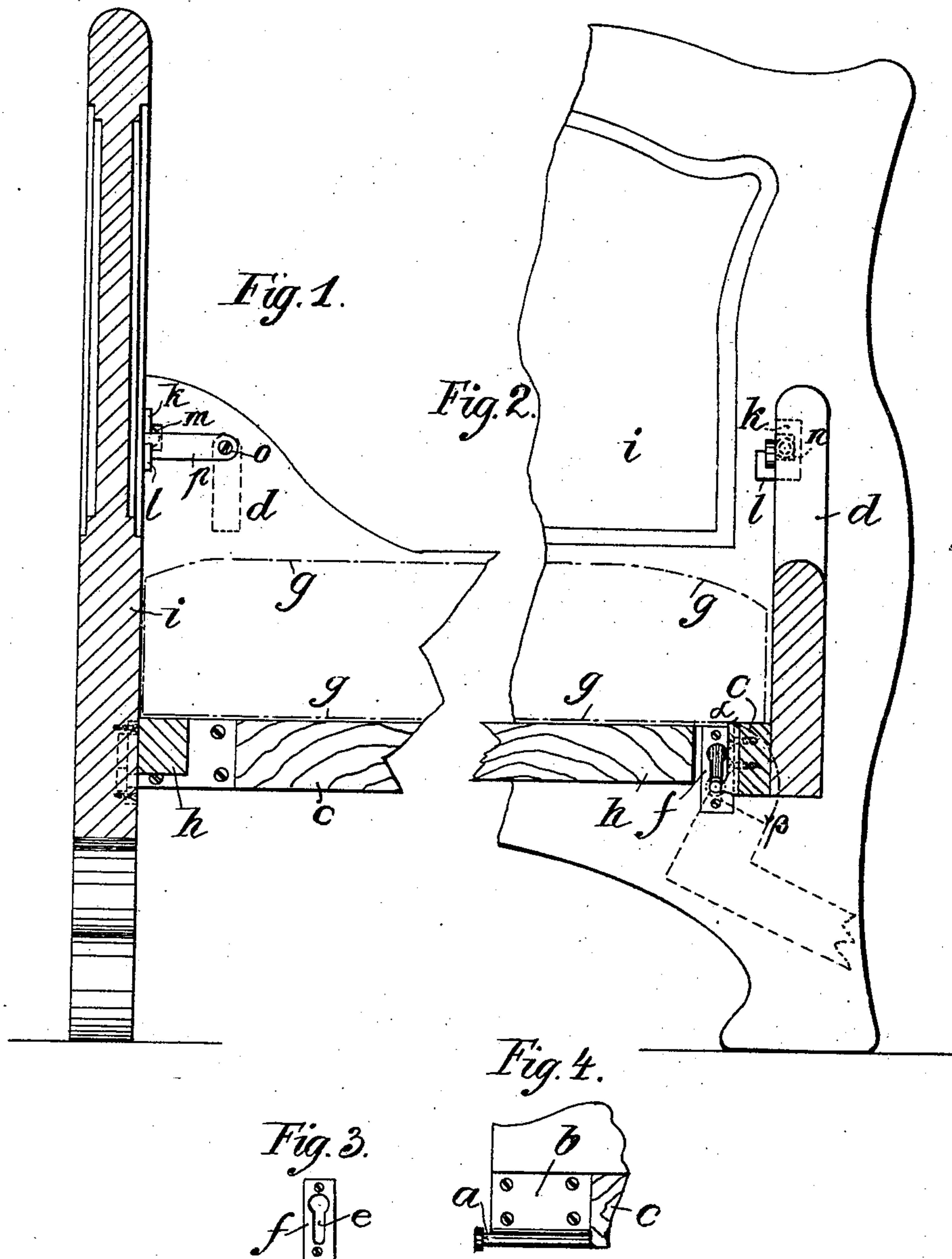
No. 689,316.

G. KÜHN.
BEDSTEAD.

Patented Dec. 17, 1901.

(Application filed Jan. 30, 1901.)

(No Model.)



Witnesses.
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UNITED STATES PATENT OFFICE.

GUSTAV KÜHN, OF NAUMBURG-ON-THE-SAALE, GERMANY.

BEDSTEAD.

SPECIFICATION forming part of Letters Patent No. 689,316, dated December 17, 1901.

Application filed January 30, 1901. Serial No. 45,398. (No model.)

To all whom it may concern:

Be it known that I, GUSTAV KÜHN, a subject of the Emperor of Germany, residing at Naumburg-on-the-Saale, German Empire, have invented a new and useful Bedstead with Outwardly-Turning Side Rail, of which the following is a specification.

In those bedsteads in which provision is made for easily removing the mattress (or frame) it has been found that the outwardly-turning side rails when operated came into contact with the mattress in such a manner as to force the latter upwardly, both when taking the mattress out and putting it in. The disadvantages of such a form of construction are obvious. Not only is the bed itself strained, but the mattress receives an increased wear and tear. It is therefore with the object in view of eliminating these disadvantages that I have invented the hereinafter-described bedstead.

In the accompanying drawings, in which similar letters of reference refer throughout to similar parts, Figure 1 is a partial end view of a foot (or head) board of a bed connected with the side rail after my invention. Fig. 2 is a partial front view of Fig. 1. Figs. 3 and 4 illustrate, on an enlarged scale, details of the invention.

In the construction of a bedstead embodying my invention I employ a headed pin *a*, integrally formed on a plate or web *b*. This plate is secured by screws or in any desired manner to the slat *c*, running lengthwise of the bed, fastened on the side rail *d* and forming the support for the mattress-frame *g*. A socket-plate *f* is countersunk in the footboard *i* and is provided with a slot *e*, having its upper end enlarged, so as to admit the head of pin *a* aforesaid. It will be seen that these pins *a* are so mounted as to lie longitudinally in respect of the bed-frame and below and within the lower edge of the side-rail slat aforesaid. It is also obvious that these pins form pivots about which the side rail is revolved in an arc $\alpha \beta$, (see Fig. 4,) so that it as-

sumes the position shown in this figure in dotted lines, and, furthermore, that while so revolving, since pivot-pin *a* lies below side rail *d*, the slat of the latter at no point in the arc it describes rises above its original position, whereby the side rail may be opened without disturbing the mattress in any manner. The contrary is also true, inasmuch as the mattress can be shoved back into position without any active or subsequent interference of the side rail or its slat.

In order to fasten side rail *d* in its closed position, I employ a plate *k*, provided with a hook-shaped arm *l*. Said plate is countersunk in the end face of the side rail adjacent to the footboard (or headboard) and is adapted to receive in a slot with which it is provided the head of a screw or stud *m*, fastened to the end board. A locking-arm *p* is pivoted on a swivel *o* and adapted when the side rail is closed to be swung into the hook-shaped arm *l* and between it and said stud, thereby locking the side rail, while stud *m* also limits the inner movement of the said rail when closing the same, thereby relieving the strain from pin *a*, which would otherwise occur.

Having now described my invention, what I claim as new, and desire to protect by Letters Patent, is—

In a bedstead, the combination of an end board, a socket-plate connected therewith, a side rail, a plate fastened thereon, a pivot-pin on said plate and lying parallel to and below and within said side rail engaging said socket-plate, a locking-plate countersunk in said side rail, a hook-shaped arm on said latter plate, a stud fastened to said end board, means in said locking-plate for receiving said stud and a pivoted arm on said side rail and adapted to snugly lie between said hook and stud for the purpose of locking said side rail in position, substantially as described.

GUSTAV KÜHN.

Witnesses:

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