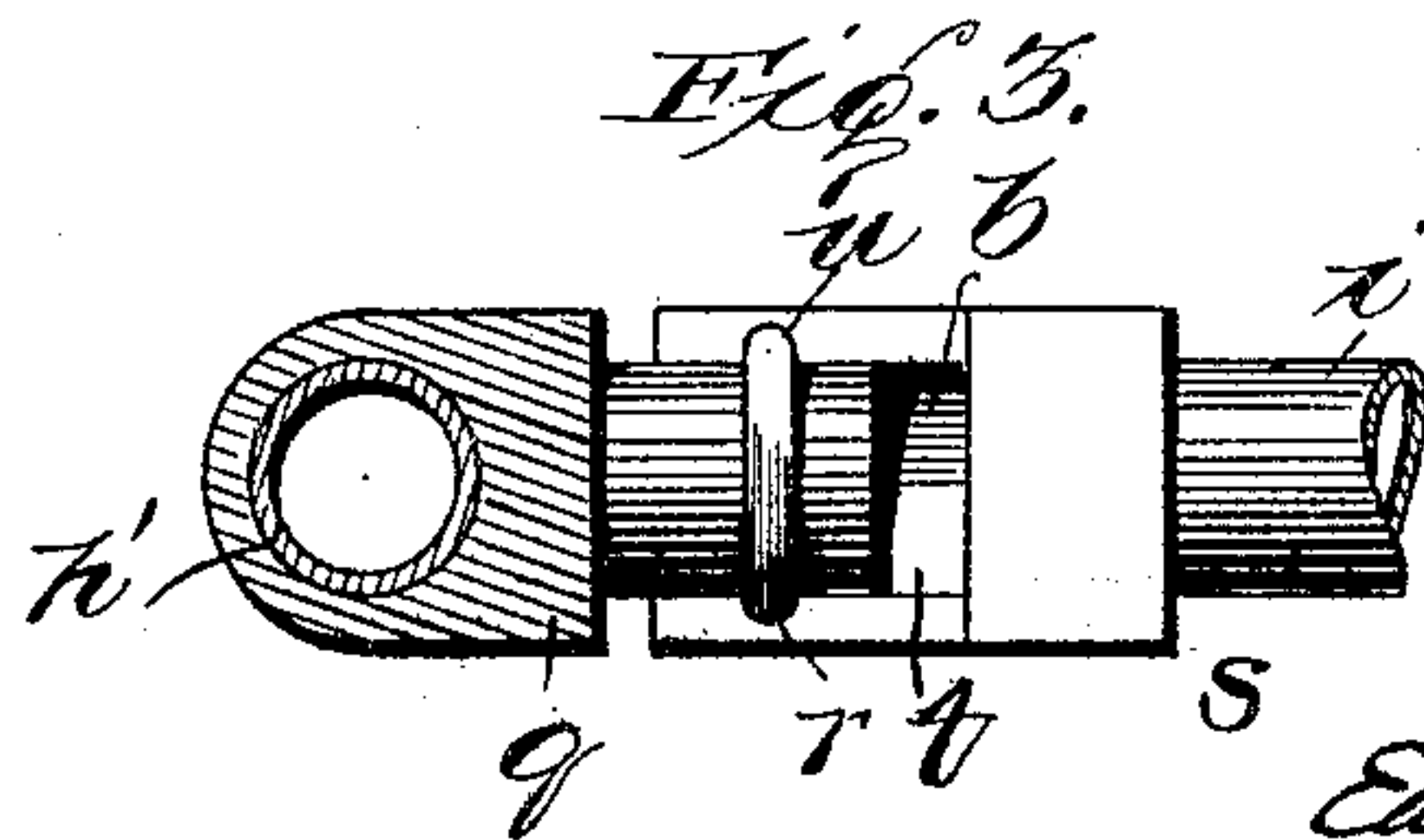
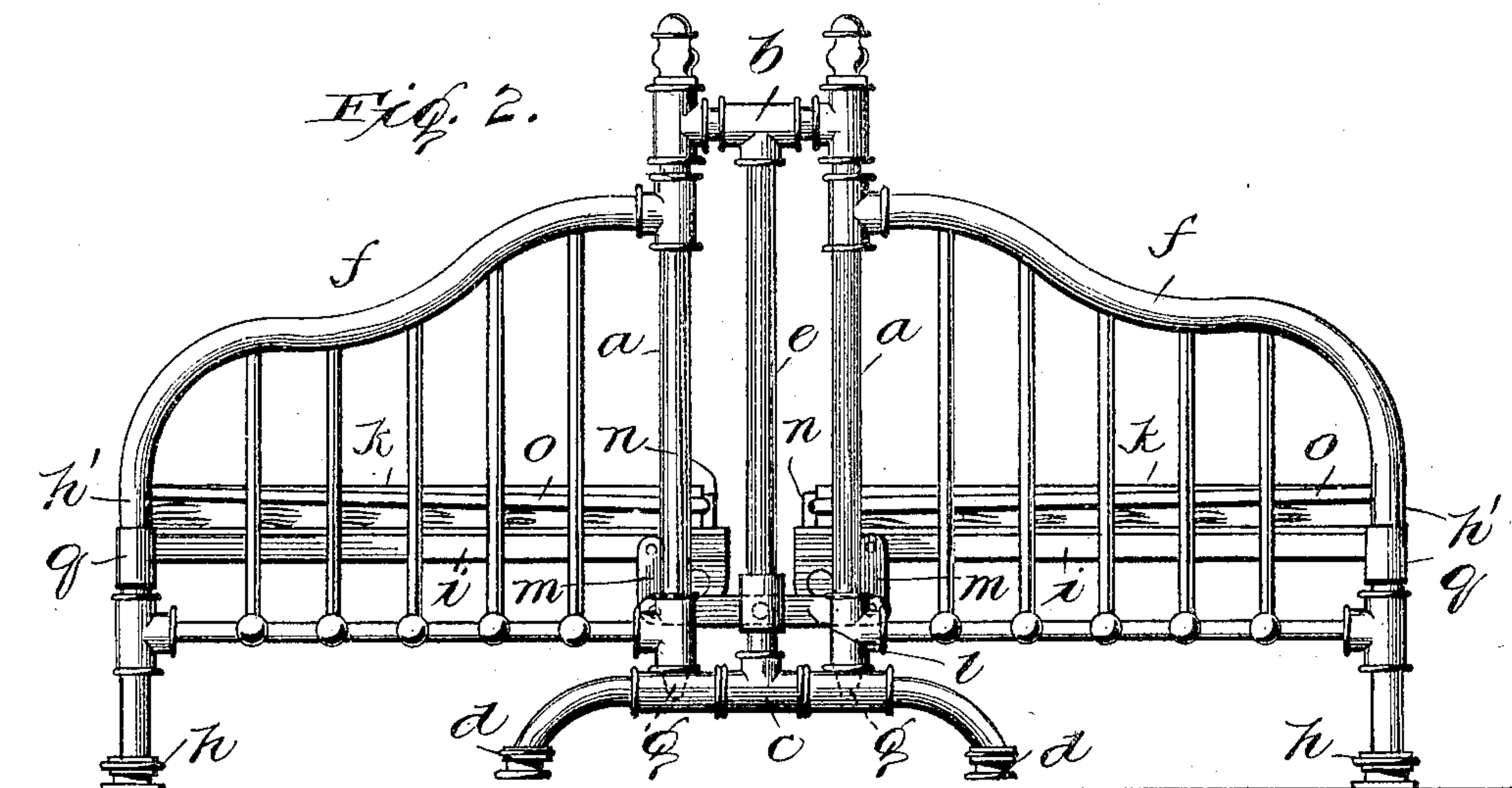
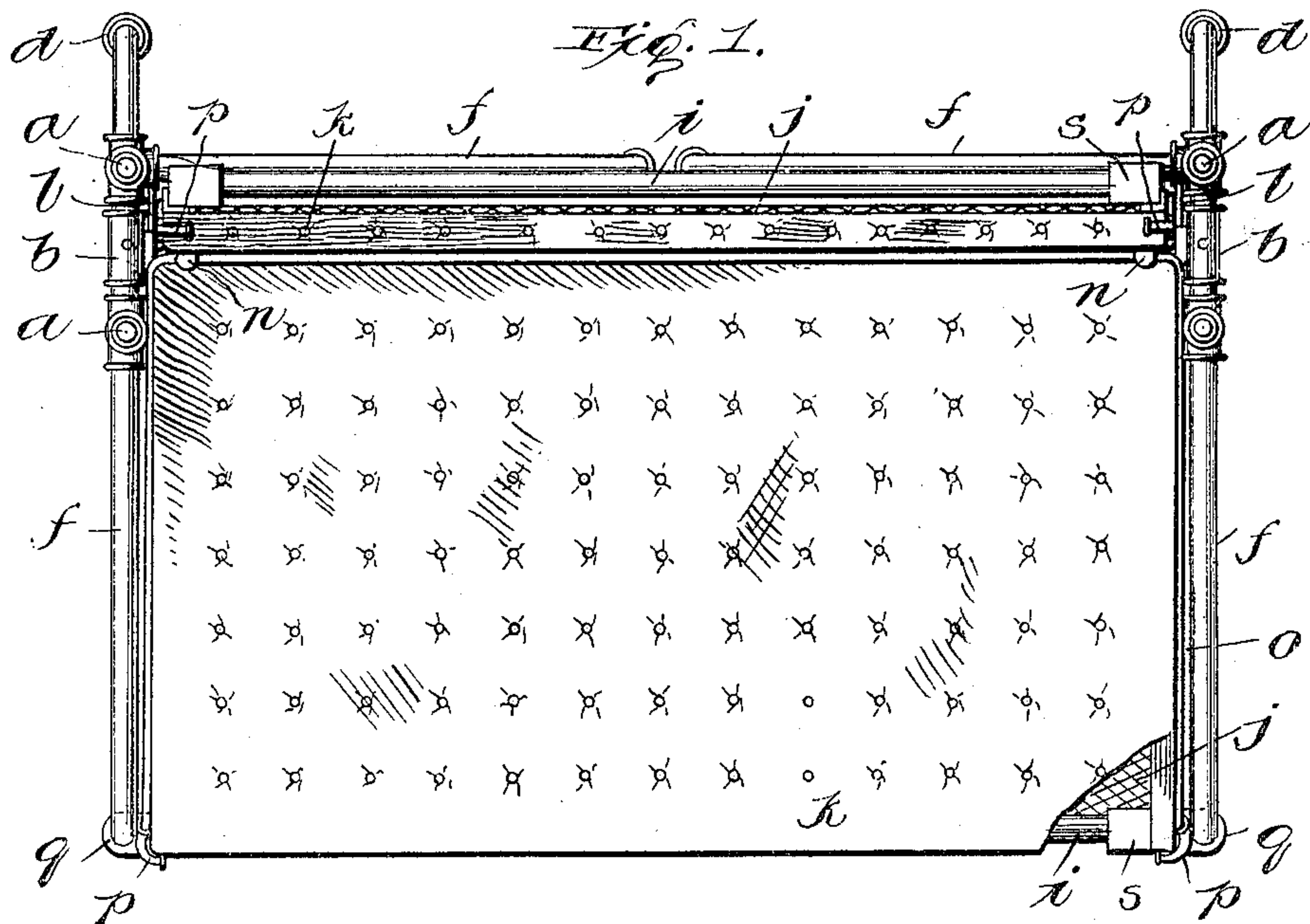


No. 804,085.

PATENTED NOV. 7, 1905.

E. J. BAKER.  
METALLIC SANITARY FOLDING BED.

APPLICATION FILED SEPT. 24, 1904.



Witnesses  
J. L. Rochester  
Warren G. Ogden

Inventor  
Edwin John Baker  
by Wilkinson & Fisher  
his Attorneys



# UNITED STATES PATENT OFFICE.

EDWIN JOHN BAKER, OF NEW ORLEANS, LOUISIANA.

## METALLIC SANITARY FOLDING BED.

No. 804,085.

Specification of Letters Patent.

Patented Nov. 7, 1905.

Application filed September 24, 1904. Serial No. 225,820.

*To all whom it may concern:*

Be it known that I, EDWIN JOHN BAKER, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in Metallic Sanitary Folding Beds; 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 appertains to make and use the same.

This invention relates to folding beds; and the objects of the invention are to improve upon the simplicity and efficiency of construction of such devices, at the same time rendering them at all times pleasing to the eye in appearance when in either folded or open condition.

This invention more particularly relates to what are known as "sanitary" double beds, which are so constructed that there are two distinct spring-bottoms on which may be made up beds that are entirely separate from each other although secured to the same head and foot boards.

The invention, it is believed, is peculiarly applicable to staterooms on shipboard, in that it provides two distinct beds at substantially the height from the deck as now used for the customary lower berth, and therefore does away entirely with the inconvenient "upper berth" now generally employed, while in the day-time the bed can be folded together, as hereinafter described, and will occupy floor-space, when folded, less than the present arrangement of berths.

Further objects of the invention will hereinafter appear, and to the accomplishment thereof the same consists of a folding bed embodying the features of construction, combinations of elements, and arrangements of parts capable of manipulation as set forth and disclosed in this specification and the accompanying drawings, the views of which show the preferred embodiment thereof.

In the drawings, Figure 1 shows a plan view of the bed with one spring-bottom folded into vertical position with its portion of the head and foot boards folded against it and the other spring-bottom open and ready to have a bed made up upon it. Fig. 2 shows an end elevational view of one end of the bed with both spring-bottoms in horizontal position, and Fig. 3 shows a detail plan of the under side of the means preferably employed for keeping the head and foot boards from spread-

ing apart if an outward pressure should be exerted upon them and for supporting the outer side of the spring-bottoms.

Referring to the drawings, where an iron or brass bed is shown, although the same may be made of wood or any other suitable material, *a* represents bed-posts, which are joined together by suitable head and foot rails *b* and mounted on convenient base-supports *c*, provided with feet *d*. Rigid connection between the base-supports is obtained by any convenient and suitable manner of bracing. Any desired arrangement of parts or ornamentation may be used in the space between the bed-posts; but in practice with the simpler style of beds it has been found convenient to employ a central brace *e*, running substantially vertically between the rails *b* and *c*, in which position it may serve as an efficient support for the bed-spring frame. To the bed-posts are secured the head and foot boards *f*, which are preferably symmetrically formed and otherwise alike. The connection between the bed-posts and head and foot boards is such that the latter may be swung on said posts as a pivot in the operation of folding up the bed. To this end the bed-posts are constructed to form the outer rail of the head and foot boards and are given a conical or other suitable bearing in the head and foot rails *b* and base-supports *c*, as shown by dotted lines at *g*. It is thus seen that there are two head and two foot boards, one upon each bed-post, and each swinging about its respective bed-post. Each of these four boards is provided with a foot or other supporting means *h*.

Between each pair of head and foot boards is mounted a suitable frame *i*, on which is stretched a bed-spring *j*, the whole forming a spring bottom or support for the mattress *k*, as is customary. These spring-bottoms are preferably mounted in the following manner: To each brace *e* is secured a cross-piece *l*, and to one end of each end piece of the frames *i* is secured a depending lug *m*. The lugs *m* on one frame *i* are pivoted to corresponding ends of the cross-pieces *l*, and in like manner the lugs *m* on the other frame *i* are pivoted to the opposite ends of the cross-pieces *l*.

Upon the inner side pieces of frames *i* are mounted small standards *n*, through which are passed wire guards *o*, which extend along the ends of the frames and act as retaining-bands to keep the same on its spring when the same is in vertical position. The outer side of the frame is left unobstructed to render



removal and turning of the mattresses an easy operation. On the ends of these guards *o* are attached rigid fingers *p*, adapted to clasp the forward side of the mattresses and assist in  
 5 holding them in position, although these fingers are preferably formed slidable on the wires and may therefore be moved to any desired position or any number of them may be used.

10 The mode of manipulating the parts of the bed to fold and unfold it is apparent. If in open condition, the frames *i*, carrying the mattresses *k* and bedclothes, which are securely held by means of guards *o*, are first  
 15 moved into a vertical position about their pivotal points *m*, which movement leaves the head and foot boards free to be moved about their pivotal points *g* and folded in against the frames *i*. To open the bed, the operation  
 20 is reversed.

In order that the outer side of the frames *i* may be efficiently supported when the bed is unfolded and to provide means for keeping the head and foot boards braced apart the  
 25 proper distance, the means shown in detail in Fig. 3 is preferably used. On a convenient and suitable portion of the bed, preferably the leg *h'* of the head and foot boards, is mounted a lug or shoulder *q*, one portion of  
 30 which is provided with a rib or collar *r*. When so situated on the ends of the outer side of the frame *i*, there is provided a fitting *s*, which has a hollow under portion *t*, provided with a groove *u*, which is of such a size  
 35 as to fit snugly upon the rib *r* when the frame *i* is brought down to its horizontal position, thus locking the head and foot boards against any outward movement and at the same time supporting the frame *i*.

40 Obviously some features of this invention may be used without others and the same may be embodied in widely varying forms.

Therefore, without limiting the invention to the specific construction shown and de-  
 45 scribed nor enumerating equivalents, I claim, and desire to secure by Letters Patent, the following:

1. A sanitary folding bed comprising suitably-connected head and foot supports, suit-  
 50 able head and foot rails therefor and braces between the respective supports and rails,

cross-pieces on said braces, a pair of mattress-frames pivoted on said cross-pieces to tilt inwardly to a position between said rails, and a pair of inwardly-folding head and foot boards  
 55 for each mattress-frame, substantially as described.

2. A sanitary folding bed comprising suitably-connected head and foot supports, short head and foot rails mounted thereover on ver-  
 60 tical braces, cross-pieces on said braces, a pair of mattress-frames having depending lugs on each end near their inner sides pivoted to the ends of said cross-pieces whereby said frames may be tilted inwardly to a position snugly  
 65 between said rails, and a pair of inwardly-folding head and foot boards for each mattress-frame, substantially as described.

3. In a folding bed, a suitable supporting-frame, a mattress-frame mounted thereon to  
 70 fold to a substantially vertical position and a retaining-band extending across the inner side and along the two ends of said frame, said band being provided at its ends with means  
 75 for preventing a mattress from slipping off said frame at the unprotected side, substantially as described.

4. In a folding bed, a suitable supporting-frame, a mattress-frame mounted thereon to  
 80 fold to a substantially vertical position and a retaining-band extending across the inner side and along the two ends of said frame, said band being provided at its ends with rigid fin-  
 85 gers for preventing a mattress from slipping off said frame at the unprotected side, substantially as described.

5. In a folding bed, a suitable supporting-frame, a mattress-frame mounted thereon to  
 90 fold to a substantially vertical position and a retaining-band extending across the inner side and along the two ends of said frame, said band being provided with adjustable rigid  
 95 fingers adapted to clasp a mattress and assist in retaining it in position, substantially as described.

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

EDWIN JOHN BAKER.

Witnesses:

ROBT. A. YOUNG,  
 H. L. FAVROL.