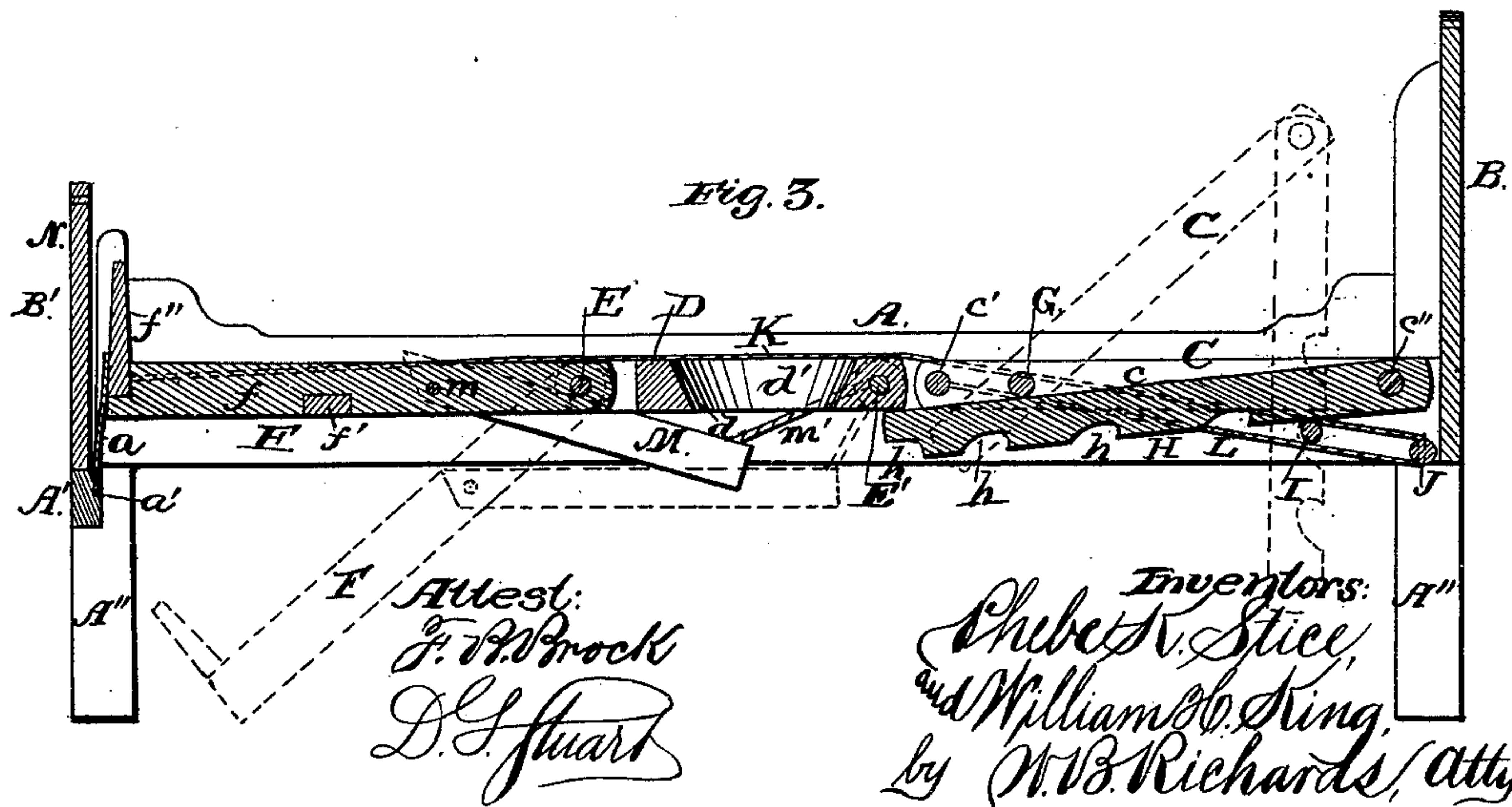
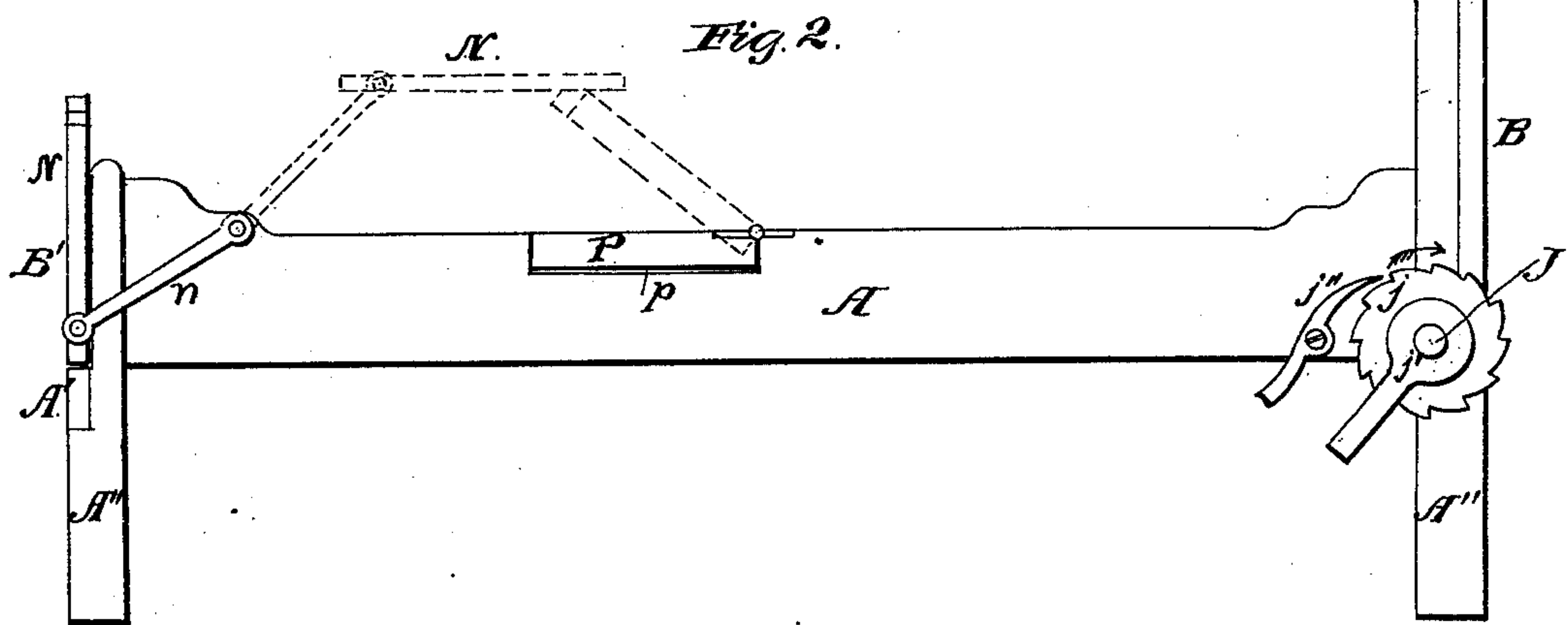
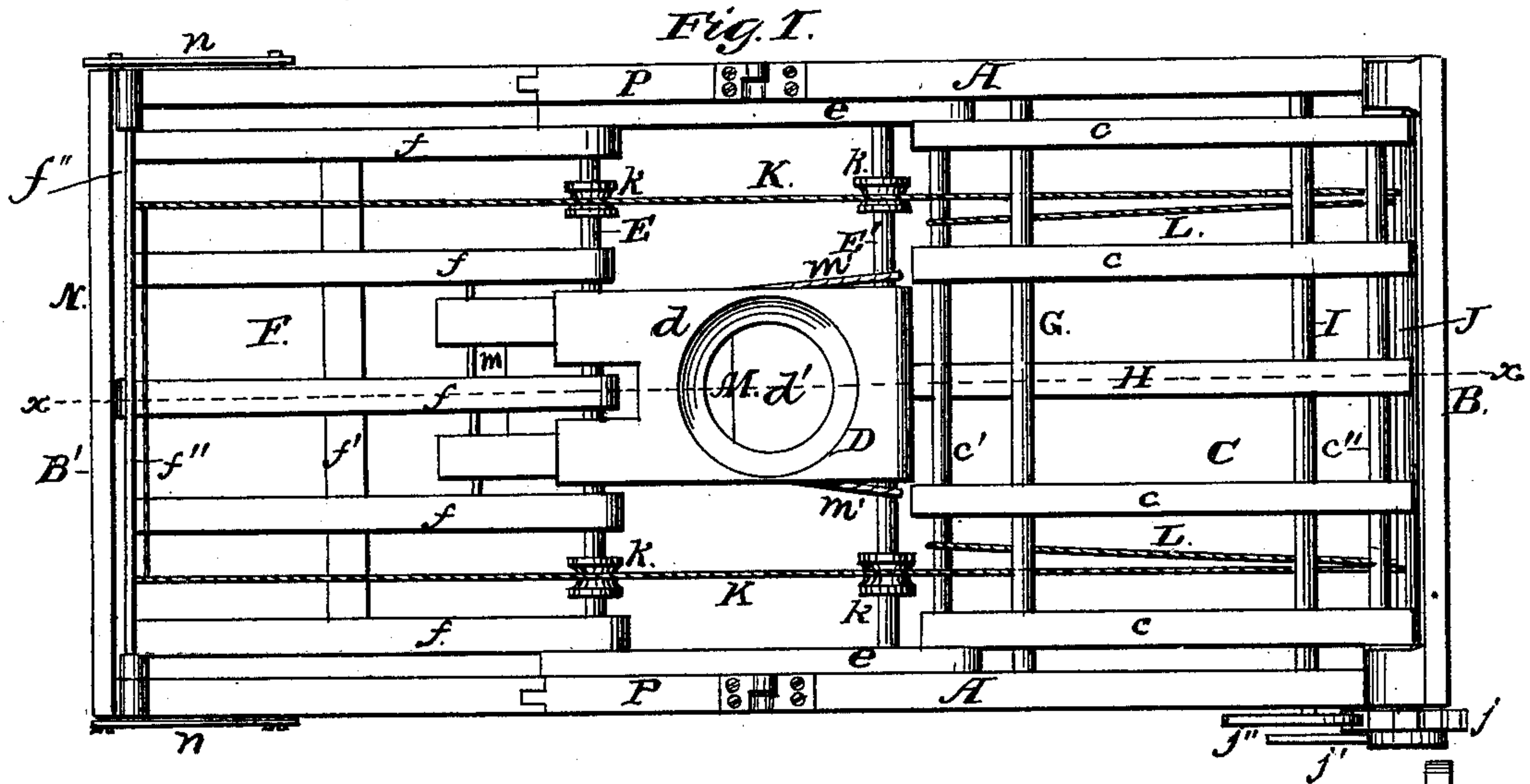


P. K. STICE & W. H. KING.  
Invalid-Bedstead.

No. 213,706.

Patented Mar. 25, 1879.





# UNITED STATES PATENT OFFICE.

PHEBE K. STICE AND WILLIAM H. KING, OF SWAN CREEK, ILLINOIS.

## IMPROVEMENT IN INVALID-BEDSTEADS.

Specification forming part of Letters Patent No. **213,706**, dated March 25, 1879; application filed December 28, 1878.

*To all whom it may concern:*

Be it known that we, Mrs. PHEBE K. STICE and WILLIAM H. KING, of Swan Creek, in the county of Warren and State of Illinois, have invented certain new and useful Improvements in Invalid-Bedsteads; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification, in which—

Figure 1 is a top-plan view of a bedstead embodying our invention. Fig. 2 is a side elevation. Fig. 3 is a vertical sectional view in the line *xx* in Fig. 1.

Our invention consists in certain improvements in invalid-bedsteads, hereinafter more fully set forth, and pointed out in the claims.

Referring to the drawings by letters, the same letter indicating the same part in the different views, letters A represent the side rails, A' the foot-rail, A'' the legs, and B B', respectively, the head and foot boards, of a bedstead, which parts may be of any ordinary construction, excepting as hereinafter specially described.

The bedstead-bottom is formed of three sections: first, a rising head-section, C, formed of slats *c* and transverse connecting-rods *c'* *c''*, or in any other suitable manner; second, a central fixed section, D, formed of a commode or seat-board, *d*, with an aperture, *d'*, through it, supported on rods E E', which extend transversely across the bedstead, (slats *e* may be also added to the section D, as required;) and, third, a falling foot-section, F, formed of slats *f*, and connecting-bar *f'*, and a foot-rest board, *f''*. The rod E passes through the ends of the slats *f*, so as to permit lowering the end of the section F, as shown by dotted lines at Fig. 3 of the drawings; and the section C is hinged, so that it may be raised, as shown by dotted lines at same figure, on a rod, G, which extends across the bedstead, and passes through the slats *c* a short distance from their ends next the rod E'. H is a support or latch-bar, journaled on the rod *c''*, and has notches *h*, which may be engaged with a transverse rod, I, to support the section C at

different degrees of inclination to the rails A, as shown at Fig. 3 of the drawings. *a* is a spring-latch, which engages with a notch, *a'*, in the foot-rail A', to hold the section F in a horizontal position.

J is a shaft extending across and journaled in suitable bearings in the bedstead, adjacent to the head-board B, and has a ratchet-wheel, *j*, and crank *j'* on its outer end, and a locking-pawl, *j''*, adjacent.

K K are cords extending from the free end of the section F over pulleys *k* on the rods E E' to the shaft J, to which they are attached, so that turning the shaft J in the direction shown by the arrow at Fig. 2 will wind the cord thereon and raise the section F into a horizontal position, and turning it in the opposite direction will unwind the cord and allow the section to swing downward by its own gravity.

L L are cords attached at one end to the rod *c'* of the section C, and at their other ends to the shaft J, on the opposite side of said shaft from the cords K, so that turning the shaft to lower the section F will raise the section C, and vice versa, as will be seen at Fig. 3 of the drawings.

M is a bed-vessel support, and is hinged at one end to a rod, *m*, which is attached to the slats *f* of the section F, and its other end is suspended by cords *m'* from the rod E', so that when the section F is lowered the support M will also be lowered to receive a bed-vessel, as shown by dotted lines at Fig. 3, and when the section F is raised the support M will also be raised, as shown by full lines at same figure.

N is the foot-board, hinged by links *n* to the rails A, so that it may be turned down to form a foot-board, as shown by full lines at Fig. 2, or upward and forward to form a table, as shown by dotted lines at same figure. P P are arms, hinged at one end in recesses *p* in the rails A, so that they may be turned down, as shown by full lines at Fig. 2, or upward to form supports for one side of the table N, as shown by dotted lines at same figure.

Any suitable mattress may be placed on the bed-bottom, and it will be seen that the section C or back-rest may be adjusted at pleasure by hand or by rotating the shaft J, while the section F is held by the latch *a*. When



the latch *a* is released the sections C and F may be operated simultaneously, the section C rising and the section F falling, by rotating the shaft J in the evident manner, and may be held at different inclinations by the ratchet and pawl *j''*.

When the section F is turned down, to permit a sitting posture of the invalid, the support M will be brought into position to receive a bed-vessel when required.

The foot-board N is hinged so that it can be turned up to form a table convenient for the invalid, sitting on the fixed section D.

We claim as new and as our invention—

1. The combination, with the fixed section D, having an opening, *d'*, of the hinged section F and the bed-vessel support M, pivoted to the rod *m* of the hinged section F at one end, and suspended at its other end by the

cords *m'*, encircling the shaft E', substantially as described, and for the purpose set forth.

2. The foot-board N, hinged to the side rails by links *n*, and provided with recesses in its lower face, in combination with the fixed section D and arms P, hinged to the side rails, the latter being provided with recesses for the reception of the arms when not used as a support for the foot-board, substantially as described, and for the purpose set forth.

In testimony that we claim the foregoing as our own we affix our signatures in presence of two witnesses.

PHEBE K. STICE.  
WILLIAM H. KING.

Witnesses:

H. A. ALLEN,  
P. R. RICHARDS.