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W. H. CARR.
ADJUSTABLE HEAD AND BACK REST.

APPLICATION FILED JUNE 30, 1905.

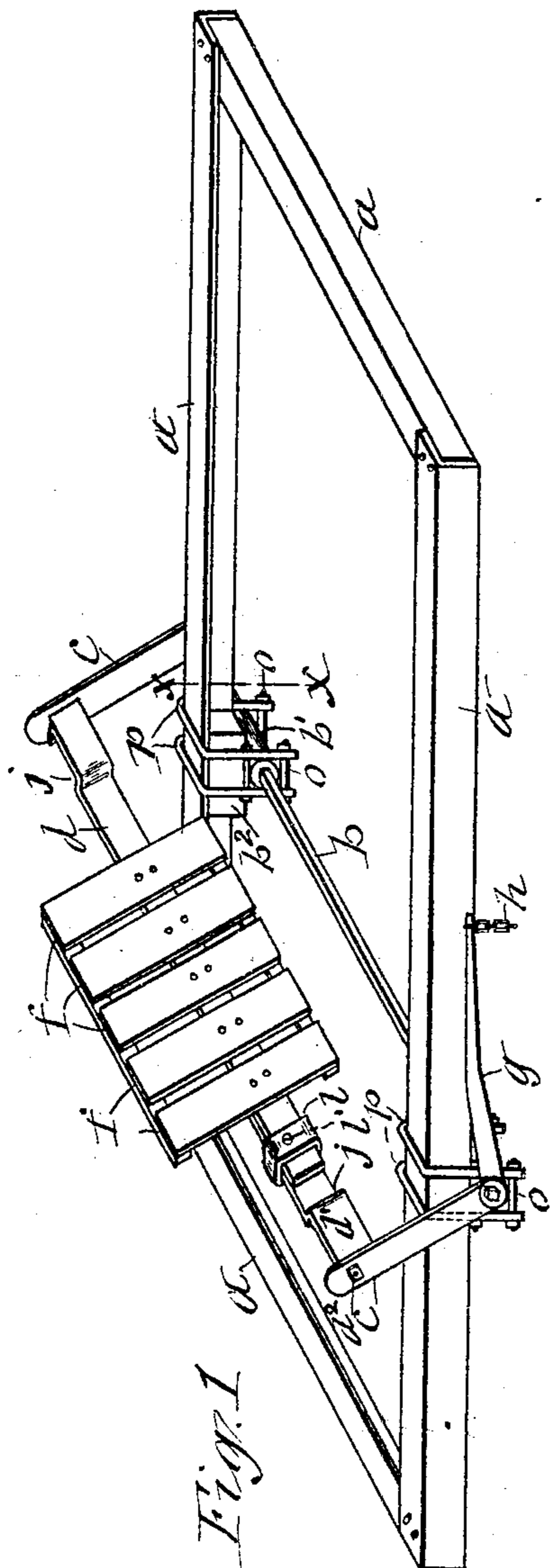


Fig. 1

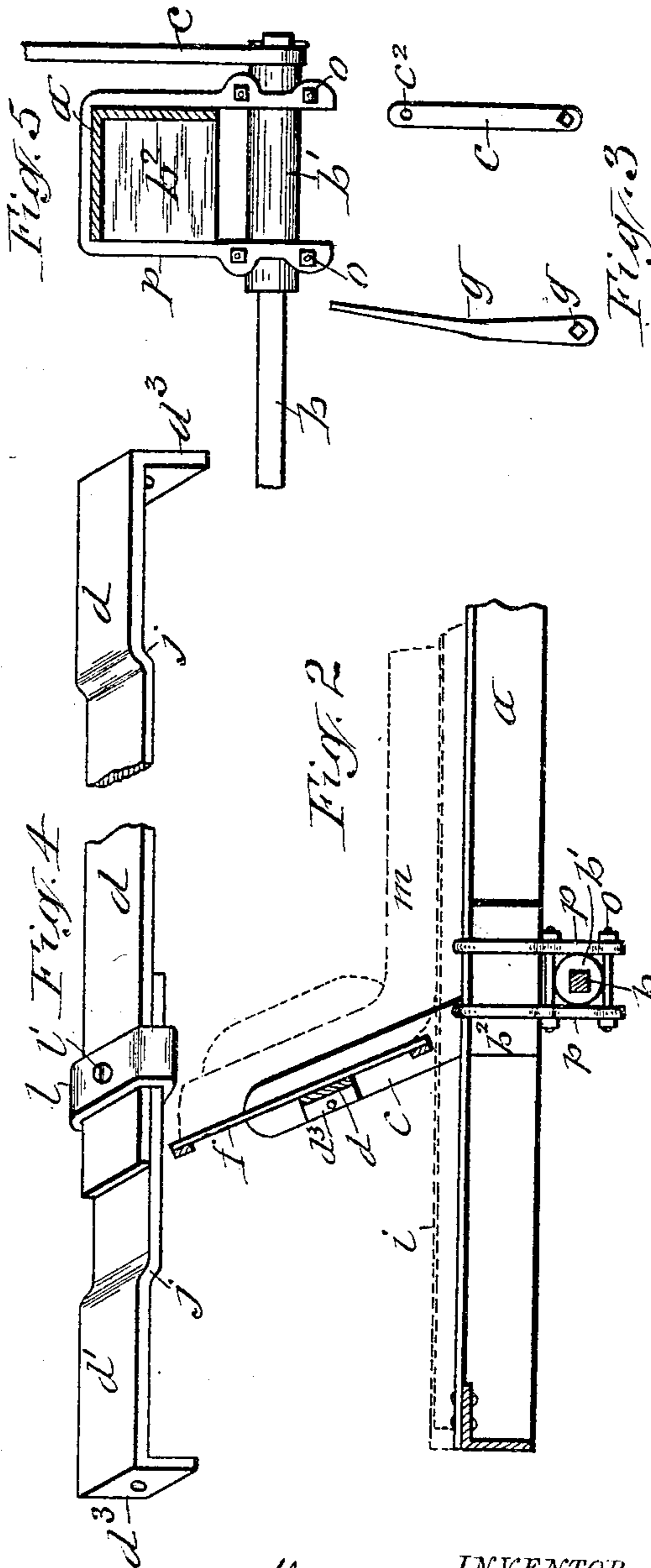


Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM H. CARR, OF MERIDIAN, NEW YORK.

ADJUSTABLE HEAD AND BACK REST.

No. 814,272.

Specification of Letters Patent.

Patented March 6, 1906.

Application filed June 30, 1905. Serial No. 267,684.

To all whom it may concern:

Be it known that I, WILLIAM H. CARR, of Meridian, in the county of Cayuga, in the State of New York, have invented new and useful
5 Improvements in Adjustable Head and Back Rests, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to adjustable head
10 and back rests applied to invalid-beds for the purpose of supporting the occupant of the bed in any desired reclined posture.

The object of the invention is to provide a
15 head and back rests which shall be simple and inexpensive in construction and convenient and efficient in operation; and to that end the invention consists in the improved construction and combination of the component
20 parts of the head and back rest hereinafter described and as illustrated in the accompanying drawings, in which—

Figure 1 is an isometric perspective view of
a head and back rest embodying my invention. Fig. 2 is a fragmentary longitudinal
25 section of the same. Fig. 3 is a detached side view of some of the component parts of the invention. Fig. 4 is an enlarged perspective
view of the bar which carries the supporting-slats of the head and back rest, and Fig. 5 is
30 an enlarged transverse section on line X X in Fig. 1.

a represents the frame of an iron bedstead, the rails of which are usually formed of angle-iron. *b* represents a shaft consisting of a
35 square bar disposed across the under side of the side rails of said frame and passing through square holes in cylindrical collars *b'*, which are supported upon bolts *o o*, connected to brackets *p*, suspended from the side rails, as
40 shown in Fig. 5.

c c are arms which are provided at one end with a square hole by which they are connected to the ends of the shaft *b*.

b² represents a filling-block applied to the
45 siderail at the attachment of the brackets *p p*.

d denotes a flat bar which extends across the bed and has its ends formed in the shape of ears *d³ d³*, which abut on the sides of the arms *c c* and are adjustably clamped thereon
50 by means of bolts *d²* passing through holes *c²* in the free ends of the arms and holes in the ears *d'* and provided with heads and nuts.

f f are slats which are mounted transversely of the bar *d* and firmly secured thereto
55 by rivets or other suitable means.

g represents a lever which is provided with

a square orifice *g'* to receive the correspond-
ingly-shaped end of the shaft *b*. By means
of this lever the shaft can be turned to set the
arms *c c* in different angles of inclinations as
60 may be desired by the occupant of the bed. Suitable locking devices are employed to retain the lever in its adjusted position. A simple means for accomplishing this consists
of a chain *h*, suitably connected to the frame
65 *a* and receiving through one of its links the end of the lever, as represented in Fig. 1 of the drawings.

i denotes the wire woven bed-spring, upon
which is placed the mattress *m*, as indicated
70 in dotted lines in Fig. 2.

In order to allow the bar *d* to rest upon the
spring *i* when the arms *c c* are in their lowered
position, I form the bar with offsets *j*, so as to
cause the main portion of said bar to be dis-
posed in a lower plane than the end portions
75 thereof.

A secondary adjustment of the slats *f f* is
effected by loosening one or both of the attach-
ing-nuts on the ends of the bar *d* and turning
80 the said bar so as to impart more or less inclination to the slats, and by subsequently tightening the nuts the bar *d* becomes rigidly set
on the arms *c c*, and thus the slats are re-
tained in their adjusted position. 85

To allow the described head and back rests
to be applied to beds of different widths, I
provide a bar *d*, which is adjustable in length.
For this purpose I form the said bar of longi-
tudinal sections *d d'*, spliced adjustably end
90 to end, preferably by forming said sections of sufficient lengths to cause their ends to lap one upon the other and clamped together by
means of a suitable clip or band *l*, embracing
the lapping portions and provided with a set-
95 screw *l'*, by which to tighten said clip on the bar.

What I claim as my invention is—

1. The combination, with the bed-frame,
of a transverse shaft pivoted to the side rails
100 of said frame, arms secured to said shaft to move therewith, a transverse bar connected to the free ends of said arms, slats mounted on said bar, and a lever connected to the end
of the shaft, as set forth. 105

2. The combination, with the bed-frame,
of a transverse shaft pivoted to the side rails
of said frame, arms secured to the ends of said
shaft to move therewith and apertured at
their free ends, a transverse bar clamped ad-
110 justably on the arms, slats mounted on said bar, a lever connected to the shaft, and means

for locking the lever adjustably in position, as set forth.

3. The combination, with the bed-frame, of a transverse shaft pivotally supported on the side rails of said frame, arms attached to the ends of said shaft a transversely-disposed flat bar, adjustable in length, and clamped adjustably on the arms, slats mounted on the

flat side of said bar, a lever connected to the aforesaid shaft, and means for adjustably locking said lever in position, as set forth.

WILLIAM H. CARR.

Witnesses:

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L. H. FULMER.