M. S. BOGDAŃSKI.

READING BRACKET FOR BEDS.

APPLICATION FILED FEB. 4, 1915.

Patented Mar. 13, 1917.

1,218,923.

Fig. 1.

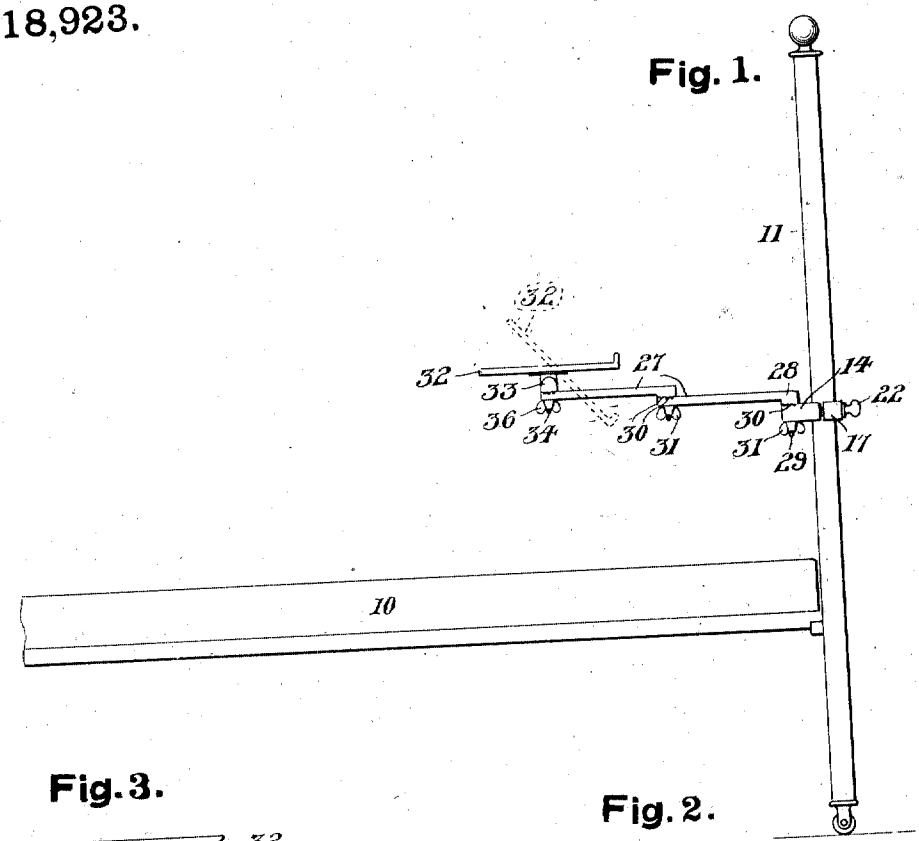


Fig. 3.

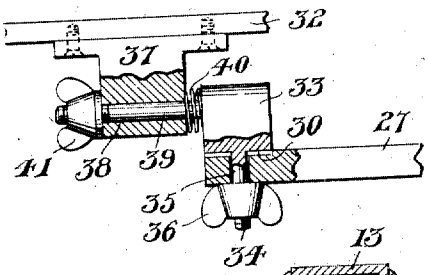


Fig. 2.

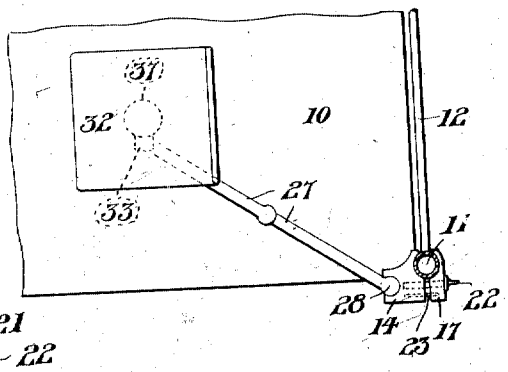
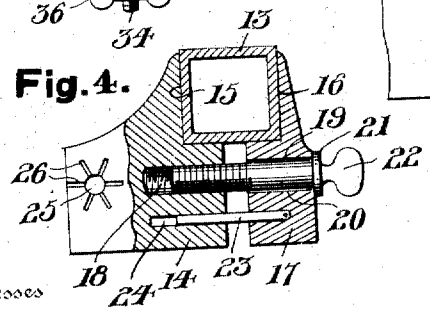


Fig. 4.



Witnesses

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READING-BRACKET FOR BEDS.

1,218,923. Specification of Letters Patent. Patented Mar. 13, 1917.

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To all whom it may concern:

Be it known that I, MICHAEL S. BOGDAŃSKI, a subject of the Emperor of Austria-Hungary, residing at Clymer, in the county of Indiana and State of Pennsylvania, have invented certain new and useful Improvements in Reading-Brackets for Beds, of which the following is a specification.

This invention relates to new and useful improvements in reading brackets for beds.

The primary object of this invention is the provision of an adjustable bracket readily attached to a bedstead and being swingingly adjustable for positioning a reading support convenient for use by an occupant of the bed.

A further object of the device is to provide a reading bracket attachment for beds and especially serviceable for invalids and for hospital use, the same having an adjustably tilted support provided upon a mounting which is laterally adjustable.

A still further object is to provide a clamp for a reading bracket which is easily attached to or detached from a bedstead and also in the provision of a resilient locking adjustment for the reading support or table.

With these general objects in view and others that will appear as the nature of the invention is better understood, the same consists in the novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the appended claims.

In the drawings forming a part of this application and in which like designating characters refer to corresponding parts throughout the several views:—

Figure 1 is a side elevation of the head portion of a bed illustrating the reading bracket adjustably attached to the bedstead.

Fig. 2 is a top plan view of a corner portion thereof with the corner post shown in horizontal section.

Fig. 3 is an enlarged detail view partially in vertical section showing the adjustable mounting means for the reading table or support, and

Fig. 4 is an enlarged detail view partly in horizontal section of the mounting clamp and illustrated in connection with a square form of post also shown in horizontal section.

Referring more in detail to the drawings, the invention will be described in connection with a bed 10 having a reading table adjustably positioned thereover, being attached to one of the corner posts 11 of the head frame 12 of the bedstead.

A form of mounting clamp best illustrated in Fig. 4 is provided, the same being therein illustrated in connection with a square form of bedstead post 13 instead of the cylindrical post 11 illustrated in Fig. 2. The clamp block 14 is provided with a post engaging jaw 15, which jaw is adapted to cooperate with a similar post engaging jaw 16 of the clamp member 17. The block 14 has a threaded bore or socket 18 adapted for the engaging reception of an adjusting bolt 19 which freely extends through a journaling opening 20 of the clamp member 17, the said bolt having an annular collar 21 engaging the said clamp member outwardly of the journaling opening and being adapted for turning by means of a terminal handle or finger hold 22.

A guide rod 23 is secured to the clamp member 17 and slidably extends into a guide bore 24 arranged in alinement therewith in the clamp block 14.

The said clamp block 14 is provided with a vertical opening 25 extending therethrough and having radially projecting grooves 26 extending therefrom. A bracket arm 27 has an overlying head 28 at one end thereof which is provided with a depending bolt 29 adapted to extend through the opening 25 while radial ribs 30 arranged on the under side of the said head are adapted to register with the block grooves 26 when the arm is positioned extending at a desired angle with respect to the block. A winged set nut 31 is mounted upon the bolt 29 for retaining the arm in its adjusted position.

Any desired number of similar arms 27 may be employed, each arm being adjustably attached together in a manner identical to that just described in connection with the clamp block 14, two of such arms being herein illustrated and being positioned in alinement with each other and extending diagonally over the bed 10.

A reading table or support member 32 is adjustably and tiltably mounted at the inner free end of the innermost arm 27, such mounting being accomplished by means of a block 33 having a bolt 34 projecting through a vertical perforation 35 at the free end of the adjacent arm 27, the said block 33 being adapted to be revolved as may be found desirable and to be re-

tained in its adjusted position by means of a set nut 36 screw-threaded upon the said bolt 34, it being noted that the grooves 26 and the ribs 30 are provided respectively upon the adjacent faces of the arm 27 and block 33 in the manner hereinbefore described in connection with the clamp block 14.

The table 32 has a centrally positioned lug 37 upon the bottom thereof and through which a perforation 38 extends while a shaft 39 projecting from the block 33 is journaled through this perforation 38 and in this manner the table is tiltably mounted upon the block 33. An expansion spring 40 encircles the shaft 39 and engages at one end the block 33 and the adjacent face of the lug 37 while an adjusting nut 41 screw-threaded upon the outer end of the shaft 39 provides an adjustment for the tension of the said spring and may be employed for locking the table against being tilted, the spring binding the block 33 and lug 37 into relative immovable positions.

From this detailed description of the invention, the complete operation of the invention will be at once apparent, the entire device being readily attached to the corner post of the bedstead by positioning the post thereof between the opposite opened clamping jaws 15 and 16 and then turning the bolt 19 by means of its handle 22 and thus drawing the clamp block 14 and member 17 together, impinging the post therebetween while the rod 23 insures the correct positioning of the jaws during the operation of the bolt. The arms 27 may be positioned in alinement or at any relative angle desired by manipulating the lock nuts 31 while the table block 33 may be similarly adjusted by manipulating the nut 36. When the bracket is thus positioned and locked as desired, the table 32 may be readily turned upon the journal shaft 39 to any desired tilted or inclined position by the occupant of the bed 10 and as best illustrated by dotted lines in Fig. 1 of the drawings, it being understood that the tension spring 40 retains the table against accidental turning when operatively employed for supporting reading matter, although the same may be readily forced in an arcuate path with respect to the shaft 39 by exerting sufficient force thereto for overcoming the resistance of the retaining spring 40.

It will thus be seen that a serviceable reading table is provided which is easy and inexpensive to manufacture and while the form of the invention herein shown is what is believed to be the preferred embodiment of the device, minor details of construction may be changed without departing from the scope of the invention as claimed.

What I claim as new is:—

In a bracket as specified, the combination of a supporting arm having a vertical opening in its outer end and slots radiating from the opening, a block seated on said arm and having a depending bolt extending downwardly through said opening to support the block for pivotal adjustment in a horizontal plane and further having ribs radiating from the bolt, a set nut on the lower end of the bolt for binding engagement against the arm to retain said ribs in the slots and secure the block from turning when adjusted, said block also having a shaft extending horizontally from one side thereof, a table having a depending apertured lug engaging over the shaft to permit tilting of the table into various angles, a set nut on the outer end of said shaft adapted to bear against said lug, and an expansion spring interposed between the lug and the block to yieldingly hold the table in adjusted position.

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

MICHAEL S. BOGDAŃSKI.

Witnesses:
FRANK ARTZMOWICZ,
STANLEY WYYOSKI.