N. H. HASSEL.

FOOT REST.

APPLICATION FILED MAR. 6, 1913.

1,067,733.

Patented July 15, 1913.

2 SHEETS—SHEET 1.

Fig. 1

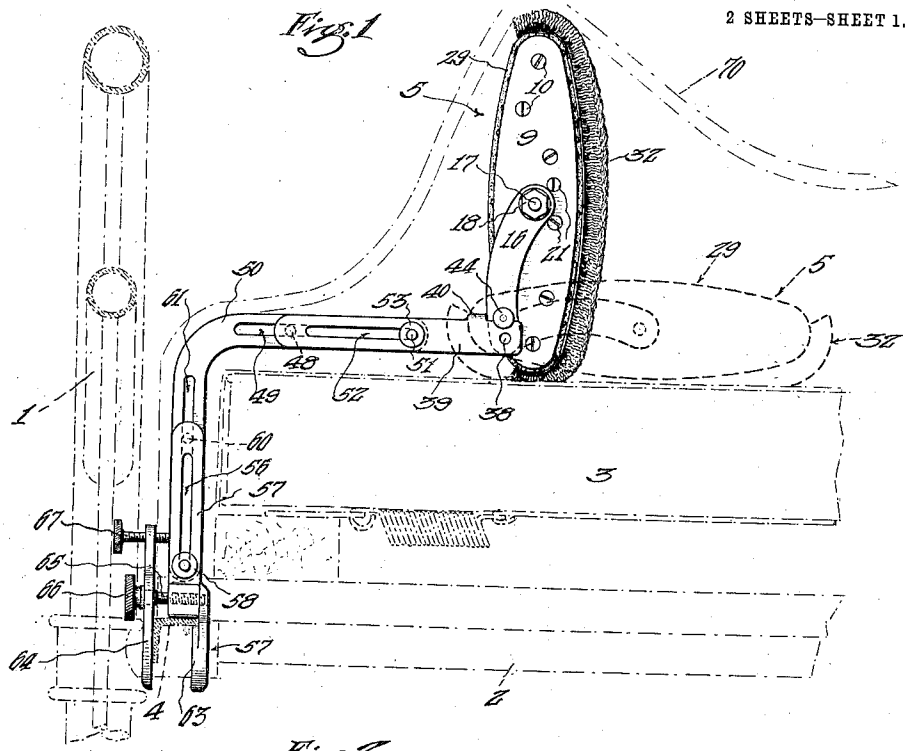
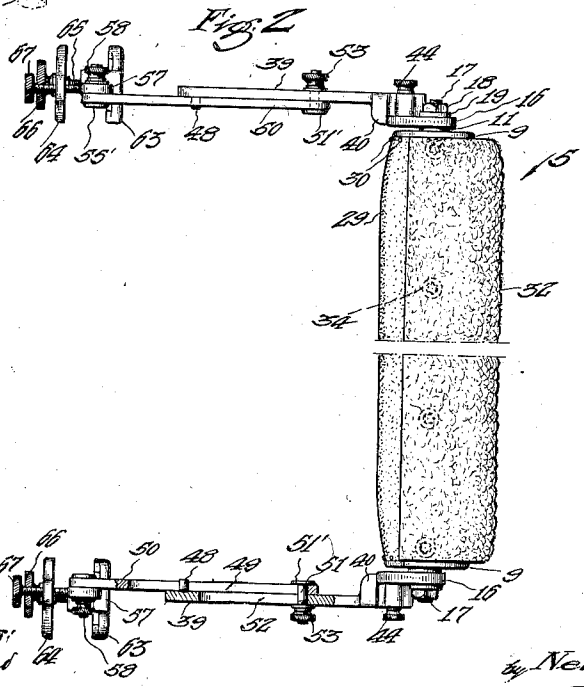


Fig. 2



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Fig. 3

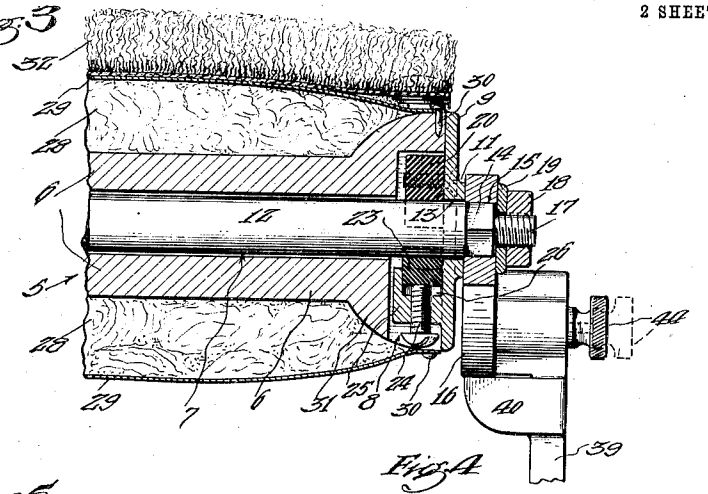


Fig. 4

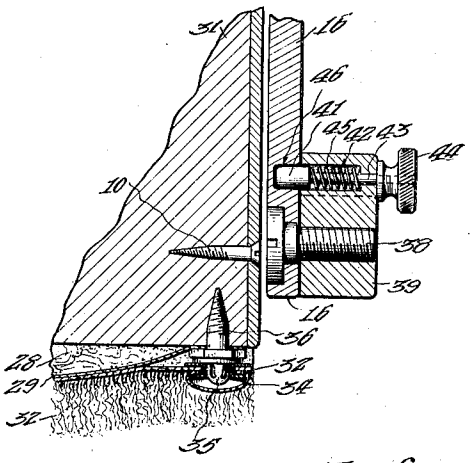


Fig. 5

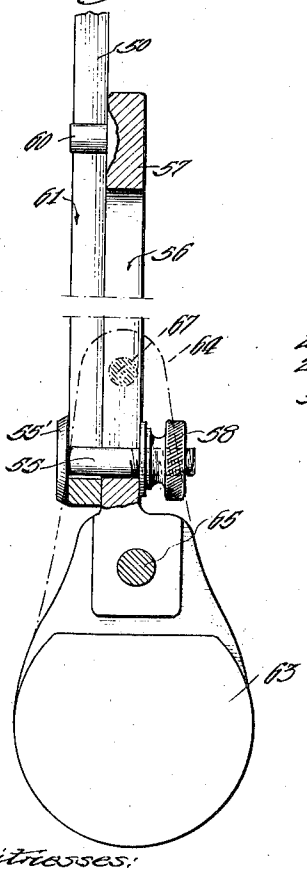
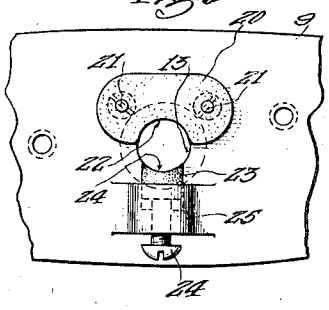


Fig. 6



Witnesses:

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UNITED STATES PATENT OFFICE.

NELS H. HASSEL, OF LOS ANGELES, CALIFORNIA.

FOOT-REST.

1,067,733. Specification of Letters Patent. Patented July 15, 1913.

Application filed March 6, 1913. Serial No. 752,469.

To all whom it may concern:

Be it known that I, NELS H. HASSEL, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Foot-Rest, of which the following is a specification.

My invention relates to a foot warmer, being more particularly a device adapted to be placed above the mattress of a bed, whereby a person occupying the bed may place his feet against the device for the purpose of warming the feet, and the main object of my invention is to produce a foot rest of the class described of simple form and construction which may be readily attached to common forms of beds.

Referring to the drawings which are for illustrative purposes only: Figure 1 is a side elevation of a device embodying a form of my invention shown mounted upon a bed. Fig. 2 is a plan view of the device shown in Fig. 1, being partly in section. Fig. 3 is an enlarged sectional view of one end of the pillow, illustrating the manner of rotatably mounting the same. Fig. 4 is an enlarged sectional view of a portion of the pillow and supporting mechanism, showing the manner of fastening the covering of the pillow. Fig. 5 is an enlarged sectional view of a portion of the clamping mechanism. Fig. 6 is an enlarged view showing the manner of frictionally controlling the rotative movement of the pillow.

In Fig. 1 there is indicated in dot and dash lines the foot 1 of the bed, 2 the side rails, 3 the mattress, and 4 a cross bar at the foot of the bed, which, in common forms of iron beds, consists of an angle iron.

The foot rest comprises a pillow 5 consisting of a wooden core 6 provided with a longitudinally extending central bore 7 and a recess 8 at each end of the wooden core 6. On each end of the core 6 is placed an elliptical shaped plate 9 secured thereto by means of suitable screws 10 and being provided with an outwardly extending boss 11.

12 designates a shaft which extends through the central bore 7 of the core 6 and being rotatably mounted in central openings 13 in the plates 9 at each end of the core 6 of the pillow 5. The shaft 12 is provided at each end thereof with a squared portion 14 which extends into a square opening 15 in a supporting arm 16, it being understood that there is a supporting arm 16 at each end of the shaft 12 which engages the squared portions 14 of the shaft. The squared portion 14 at each end of the shaft 12 terminates in a threaded stud 17 engaged by a nut 18 adapted to be tightened against a washer 19 between the arm 16 and the nut 18 in such a manner that it is understood that the shaft 12 is supported in fixed relation to the supporting arm 16. For the purpose of preventing too free a rotative movement of the pillow on the shaft 12, a friction engaging device is placed at each end of the pillow within the recess 8 in the core 6 thereof, which consists of a block of fiber 20 secured to the inner face of the plates 9 by means of suitable screws 21, the block of fiber 20 being provided with a rounded bearing face 22 adapted to be engaged by the shaft 12.

23 designates a plunger of fiber or other similar material adapted to engage the shaft on the under side thereof opposite to the fiber block 20, the plunger 23 being provided with a rounded face 24, between which face 24 of the plunger 23 and the face 22 of the block 20 the shaft 12 is engaged. The pressure of the plunger 23 against the shaft 12 may be regulated by a screw 24 which operates through a boss 25 formed on the inner side of the respective plates 9, the boss 25 on each plate 9 being provided with a recess 26 for receiving the plunger 23.

Packed around the core 6 of the pillow 5 is a mass of fluffy material, such as down, cotton or feathers, indicated at 28, which is held in place by means of a flexible covering of hide or fabric indicated at 29 secured to the ends of the core 6 by means of tacks 30, the core 6 being enlarged at its respective ends, as indicated at 31. One face of the pillow 5 is provided with a removable cover made of material having warmth, preferably lamb's wool, or similar material, indicated at 32. The removable cover 32 is secured to the face of the pillow 5 by means of snap fasteners consisting of cups 34 fastened in the cover 32, which cups 34 are adapted to snap over and engage spring buttons 35 formed on the ends of screws 36 which extend into the core 6 of the pillow 5. The supporting arms 16 at each end of the pillow 5 are pivotally mounted on shouldered bolts 38 mounted in the lower ends of the respective arms 16, which bolts 38 extend into longitudinally disposed extension bars 39. The pivotal movement of the arms 16 on the extension bars 39 is limited by means of in-

wardly extending lugs 40 formed on the extension bars 39 which engage the arms 16 when the arms 16 are in a position to hold the pillow 5, as shown in full lines in Fig. 1, being approximately the vertical position of the pillow. Locking means is also provided for fixing the position of the arms 16 with relation to the extension bars 39, which consists of plungers 41 mounted in bores 42 in the respective bars 39, each plunger 41 being provided with a rod 43 extending through the respective bars 39 and provided with a head 44 on the outer side thereof.

45 designates a coil spring within the bore 42 in the bars 39, respectively, for elastically holding the plungers 41 in extended position, in which position the plungers 41 are received in recesses 46 formed in the arms 16, and when in such position lock the supporting arms 16 of the pillow 5 to the extension bars 39 at each side thereof. Each extension bar 39 is provided with a pin 48 which extends through a slot 49 in a right angularly disposed connecting bar 50, one end of which is provided with a headed pin 51 which extends through a slot 52 formed in the bar 39, the outer end of the pin 51 being engaged by a thumb screw 53 for the purpose of clamping the bar 50 and the bar 39 between the thumb screw 53 and the head 51′ of the pin 51. The lower end of the connecting bar 50 is provided with a headed pin 55 which extends through a slot 56 formed in the upper end of a clamping bar 57, the pin 55 being engaged by a thumb screw 58 for binding the clamping bar 57 and connecting bar 50 between the screw 58 and the head 55′ of the pin 55. The upper end of each clamping bar 57 is provided with a pin 60 which extends into a slot 61 formed in the respective connecting bars 50. Each clamping bar 57 is also provided with a head 63 which engages under the cross bar 4 of the bed.

64 designates a clamping plate adapted to engage the cross bar 4, at the side thereof opposite to the clamping bar 57, to which the plate 64 is connected by means of a threaded bolt 65 having a head 66 adapted to engage the outer face of the clamping plate 64.

67 designates a threaded bolt which extends through the upper end of the clamping plate 64 and engages with its inner end the upper end of the clamping bar 57.

The foot rest is mounted upon the bed in the following manner: The head 63 of each clamping bar 57 is placed under the inner edge of the cross bar 4 at the foot of the bed and the clamping plate 64 placed so as to engage the opposite face of the cross bar 4 to that engaged by the clamping bar 57. The threaded bolt 66 is then tightened so that the cross bar 4 of the bed is engaged between the clamping plate 64 and the clamping bar 57. Additional pressure is exerted between the clamping plate 64 and the clamping bar 57 on the cross bar 4 by means of the bolt 67 which is threaded through the clamping plate 64 so that the inner end of the bolt 67 presses tightly against the upper end of the clamping bar 57, thereby tending to throw the lower end of the clamping plate 64 inwardly against the cross bar 4. The connecting bars 50 are then moved upon the clamping bars 57 so that the horizontal extension or end of each connecting bar 50 is slightly above the upper surface of the mattress of the bed, as indicated in Fig. 1, and the thumb screws 58 tightened on the pins 55, thereby holding the connecting bars 50 and the clamping bars 57 in fixed relation to each other. The extension bars 39 are then set as desired and clamped in fixed relation to the connecting bars 50 by means of pins 51 and thumb screws 53 thereon. When the device is arranged in such position, the pillow 5 may be placed in its vertical position, as shown in full lines in Fig. 1, and held in such position, as heretofore described, by means of the spring plungers 41 on the extension bars 39 which are in engagement with the recesses 46 in the supporting arms 16 of the pillow. When the pillow is in this position, the feet of the person occupying the bed may be placed against the removable cover 32 of the pillow, the bed covers being placed over the entire device, as indicated in dot and dash lines in Fig. 1 at 70.

If it is desired to simply use the pillow as a foot rest, the pillow may be thrown forwardly into the dotted line position shown in Fig. 1, which operation is accomplished by pulling the heads 44 outwardly from the extension bars 39 until the plungers 41 are disengaged from the supporting arms 16 and the arms 16 permitted to swing forwardly carrying the pillow 5 therewith into the position shown in dotted lines in Fig. 1, in which case the feet may be rested upon the covering 29 of the pillow.

It is understood from the above description that the pillow 5 is frictionally held against rotation between the arms 16, but the frictional engagement heretofore described is such that the person occupying the bed may move the pillow at will on the shaft 12.

What I claim is—

1. A foot rest for beds comprising a pillow, a pair of arms mounted on the bed, and means on said arms for rotatably supporting said pillow thereon.

2. A foot rest for beds comprising a pair of arms mounted on the bed, a shaft mounted in said arms, a pillow rotatably mounted on said shaft, and friction means in said pillow engaging said shaft.

3. A foot rest for beds comprising clamping means adapted to engage the bed, ex-

tension bars mounted on said clamping means, arms pivotally mounted on said extension bars, and a pillow mounted on said arms.

4. A foot rest for beds comprising clamping means adapted to engage the bed, extension bars mounted on said clamping means, arms pivotally mounted on said extension bars, said arms being provided with recesses therein, a plunger in each extension bar adapted to enter the recesses in said arms, elastic means for holding said plungers in the respective recesses, and a pillow rotatably mounted on said arms.

5. A foot rest for beds comprising a pair of clamps adapted to engage the bed, an extension bar for each clamp, a connecting bar between each clamp and its respective extension bar, an arm pivotally connected to each extension bar, means for limiting the movement of said arms on said extension bars, and a pillow rotatably mounted in said arms.

6. A foot rest for beds comprising a pair of arms pivotally supported on the bed, a shaft supported on said arms, a pillow rotatably supported on said shaft, friction engaging means for said shaft mounted in said pillow, and a removable cover of warming material on said pillow.

In testimony whereof, I have hereunto set my hand at Los Angeles, California, this 27th day of February, 1913.

NELS H. HASSEL.

In presence of—
FRANK L. A. GRAHAM,
LORRAINE E. DURROW.