April 22, 1952 T. O. KECK 2,593,567

CLOTHES RACK ATTACHMENT FOR SECUREMENT TO BEDS

Filed April 14, 1950

FIG. 1.

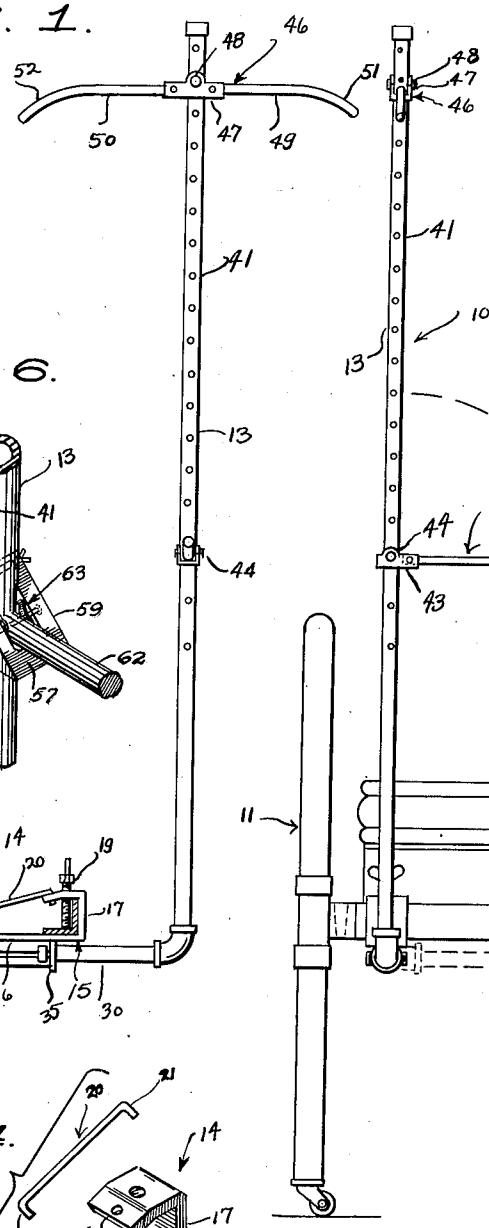


FIG. 3

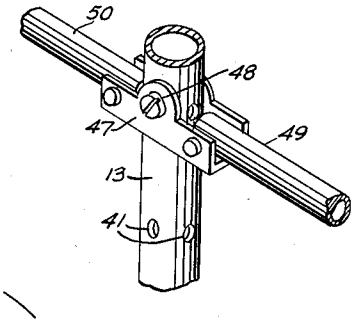


FIG. 6.

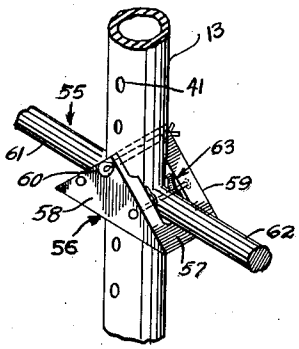


FIG. 2.

FIG. 4.

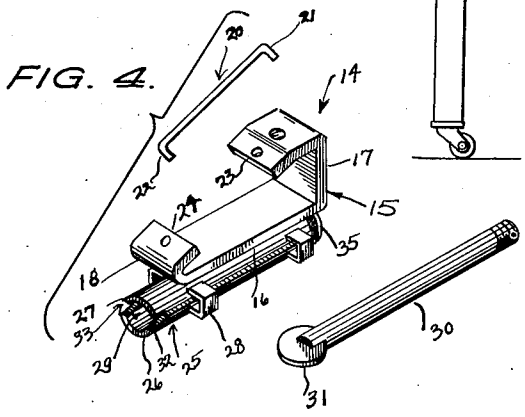
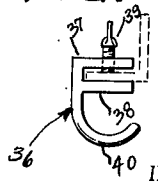


FIG. 5.



INVENTOR
TYSON O. KECK,

BY McMorrow, Berman + Davidson
ATTORNEYS

Patented Apr. 22, 1952

2,593,567

UNITED STATES PATENT OFFICE

2,593,567

CLOTHES RACK ATTACHMENT FOR SECUREMENT TO BEDS

Tyson O. Keck, Kokomo, Ind.

Application April 14, 1950, Serial No. 155,964

1 Claim. (Cl. 211—86)

1

This invention relates to a clothes rack attachment, and more particularly to a clothes rack attachment for securement to the side rail of a bed.

An object of this invention is to provide a clothes rack attachment for securement to a bed which may be readily extended for use and retracted for storage.

Another object of this invention is to provide a clothes rack attachment for securement to a bed which may be selectively positioned with respect to either end of said bed.

A further object of this invention is to provide a clothes rack attachment for securement to a bed which is simple in structure and cheap to manufacture.

Other objects of the invention will become apparent upon consulting the following specification in conjunction with the drawings.

In the drawings:

Figure 1 is a side elevational view of the clothes rack attachment of the present invention.

Figure 2 is an end elevational view of the clothes rack attachment shown in Figure 1 as applied to the side rail of a bed.

Figure 3 is an enlarged fragmentary perspective view of a hanger as applied to the vertical post of the clothes rack attachment of the present invention.

Figure 4 is an enlarged perspective view of the various components comprising the supporting means for the vertical post of the clothes rack attachment of the present invention.

Figure 5 is an elevational view taken along the line 5—5 of Figure 2.

Figure 6 is an enlarged fragmentary perspective view of a modification of the hanger applied to the vertical post of the clothes rack attachment of the present invention.

Referring now more particularly to the drawings wherein like reference numerals have been used throughout the several views to designate like parts, there is shown the clothes rack attachment of the present invention, generally designated by the numeral 10 as applied to a bed 11, which is shown in part and includes a horizontally extending angle iron side rail 12. The clothes rack 10 includes a vertically disposed post 13 which is mounted on a supporting means, generally designated by the numeral 14 for movement toward and away from the side rail of the bed 11, to and from an extended position with respect to said side rail 12, and for sliding movement along said side rail.

The supporting means 14 includes a U-shaped clamp 15 having a bight 16 and legs 17, 18 having

2

one end fixedly secured to the bight 16 and having the other end turned upwardly and inwardly into alignment with respect to each other. The inner face of the leg 17 and the adjacent inner face of the bight 16 are held in embracing engagement with the adjacent exterior face of the side rail 12 by means of a vertically disposed set screw 19 which is threadably supported on the inwardly turned end of the leg 17. Extending between the confronting ends of the legs 17, 18 and detachably secured thereto is a linkage 20 which is provided with lugs 21, 22 on its ends, the lugs being embracingly received and supported within apertures 23, 24 provided in the legs 17, 18 of the base 15.

Fixedly secured to the exterior face of the bight 16 and extending longitudinally thereof is a split sleeve 25 which includes a pair of arcuate sections 26, 27 disposed in spaced confronting relation with respect to each other, the sections 26, 27 being secured together by U-shaped connectors, generally designated by the numeral 28 extending between the sections and secured thereto. The confronting sections 26, 27 of the sleeve 25 cooperate to provide a horizontally disposed channelway 29 for slidably receiving and supporting one end of a supporting rod 30 which carries on its other end the vertically disposed post 13. Fixedly secured to the slidably supported end of the rod 30 is a flat circular head 31 which has its marginal portions extending into the aligned slots 32, 33 formed intermediate the spaced confronting sections 26, 27 of the split sleeve 25. Accordingly as the rod 30 slides throughout the length of the sleeve 25, the head 31 cooperates with the adjacent bounding walls of the slots 32, 33 to preclude rotation of the rod 30 and to thereby maintain the post 13 in its vertically extending position.

The inner ends of the slots 32, 33 are arcuately cut away as indicated at 34 to thereby facilitate the insertion of the head 31 in the slots 32, 33 after the head 31 has been extended beyond the adjacent end of the sleeve 25. Extending across the other end of the sleeve 25 is an annular abutment 35 which precludes the possibility of withdrawing the head containing end of the rod 30 from said other end of the sleeve 25.

As is readily apparent from the foregoing, when it is desired to move the post 13 from the full line position to the broken line position indicated in Figure 2, the head 31 is extended beyond the arcuately cut away end of the sleeve 25 to thereby permit free rotation of the rod 30 in the sleeve. Furthermore the post 13 may be posi-

tioned longitudinally of the bed by sliding the U-shaped base 15 to any select position thereabout before bringing the set screw 19 into engagement with the side rail 12 of the bed. The post 13 may also be positioned at any point in its path of movement toward and away from the side rails 12 within the limits of the sleeve 25.

Supported on the side rail 12 in spaced relation with respect to the supporting means 14 is a bracket 36 for embracing the post 13 in its retracted position. The bracket 36 includes a pair of abutment plates 37, 38 disposed in spaced parallel relation with respect to each other and adapted to overlie and underlie the horizontal flange of the side rail 12. Extending through the plate 37 and engageable with the horizontal flange of the side rail 12, is a set screw 39 for fixedly positioning the bracket 36 at any select point along the side rail. Dependingly supported from the abutment plate 38 is a hook 40 which embraces the post 13, as clearly indicated in Figure 2.

The post 13 is provided with at least four longitudinally extending rows of spaced apart transversely extending apertures, generally designated by the numeral 41, the respective rows being spaced about the periphery of the post 13 and alternate rows being opposed with respect to each other.

Positioned transversely of the post 13 adjacent to and spaced from the lower end thereof and slidably supported thereon is a first hanger 42 which includes a supporting yoke 43 through which the post 13 is extended. Extending through the yoke 43 and the adjacent opposed ones of the apertures 41 is a bolt 44 for selectively positioning the hanger 42 along the post 13. Since the bolt 44 may be extended through either of the opposed rows of apertures, the hanger 42 can be supported in any one of several positions radially of the post 13. Extending from the yoke 43 and pivotally supported on the latter is a hanger arm 45 which is normally disposed in a horizontal position transversely of the post 13 and which can be pivoted to a collapsed position in side by side relation with respect to the post 13.

Positioned transversely of the post 13 adjacent the upper end thereof and slidably supported thereon is a hanger 46 which includes a supporting yoke 47 and a bolt 48 which cooperates to support the hanger 46 in any select position longitudinally and radially of the post 13. Extending outwardly from opposite ends of the yoke 47 and pivotally supported on the latter are a pair of hanger arms 49, 50 which cooperate together to support an article of clothing. Each of the arms 49, 50, have their outer ends turned downwardly as indicated at 51, 52 to thereby simulate in configuration a conventional hanger. It is readily apparent that the hanger arms 49, 50 can be brought into a collapsed position in side by side relation with respect to the post 13.

In Figure 6 there is shown another hanger 55 which may be used instead of the hanger 46. The hanger 55 includes a yoke 56 which is fabricated of plastics or the like and includes a base 57 and a pair of vertically extending opposed triangular shaped side walls 58, 59. The base 57 is provided with an aperture, not shown, for the extension therethrough of the post 13. Extending transversely through the walls 58, 59 and the adjacent opposed apertures in the post 13 is a cotter pin 60 for supporting the yoke 56 at select positions longitudinally and radially of the post 13. Positioned on opposite sides of the post 13 in confronting spaced relation with respect to each other are a pair of hanger arms 61, 62, the confronting ends of which are pivotally connected intermediate the side walls 58, 59 of the yoke 56. Embedded on the inner face of each of the side walls 58, 59 contiguous to the pivotally supported end of the hanger arms 61, 62 are spring elements, generally designated by the numeral 63 for holding the hanger arms 61, 62 in a collapsed position in side by side relation with respect to the post 13. From the foregoing it is readily apparent that the hanger 55 may be used in place of the hanger 46 or to supplement the latter.

Numerous other modifications of the present invention may be made without departing from the spirit of the invention as set forth in the appended claim.

What I claim is:

A rack attachment for one of the side rails of a bed comprising a supporting means fixedly attachable to said side rail at selected locations taken longitudinally of the rail, said means including a clamp, means for fixedly connecting the clamp to said rail, a sleeve rigid with the clamp and being disposed perpendicularly of the rail to extend inwardly therefrom, there being a longitudinal slot formed in the sleeve opening upon the inner end of the sleeve, and a stop abutment on the outer end of the sleeve; an article support including a rod mounted in the sleeve to slide inwardly of the side rail, said rod having a flattened head on its inner end engageable in the slot to constitute means for preventing rotation of the rod relative to the sleeve in selected positions to which the rod is slidably adjusted within the sleeve, said abutment engaging the head of the rod on slidable movement of the rod inwardly of the rail to one extreme position thereof whereby to hold the rod against complete separation from the sleeve, said head being shiftable out of the slot on movement of the rod inwardly of the rail to an opposite extreme position whereby to free the rod for rotation relative to the sleeve, a post rigid with the outer end of the rod, said post being arranged perpendicularly to the rod and being swingable between vertical and horizontal positions responsive to rotation of the rod, and an article hanger mounted on the post; and a bracket adapted for fixed connection to the rail in spaced relation to said supporting means, said bracket including a pair of plates connectable to the rail and a depending supporting hook rigid with said plates, said hook being located in the plane of swinging movement of the post to engage and support the post close to and in parallelism with said rail in the horizontal position of the post.

TYSON O. KECK.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
339,061	Joseph	Mar. 30, 1886
670,904	Pittman	Mar. 26, 1901
914,047	Holcomb	Mar. 2, 1909
937,376	Masden	Oct. 19, 1909
1,037,253	Honest	Sept. 3, 1912
1,211,527	Berndt	Jan. 9, 1917
1,231,452	Sword	June 26, 1917
1,865,757	Honsowetz	July 5, 1932
2,472,480	Huhn, Jr.	June 7, 1949