R. HODER.

BRACKET ATTACHMENT FOR BED POSTS.

APPLICATION FILED JUNE 10, 1916.

1,248,117. Patented Nov. 27, 1917.

Fig. 1.

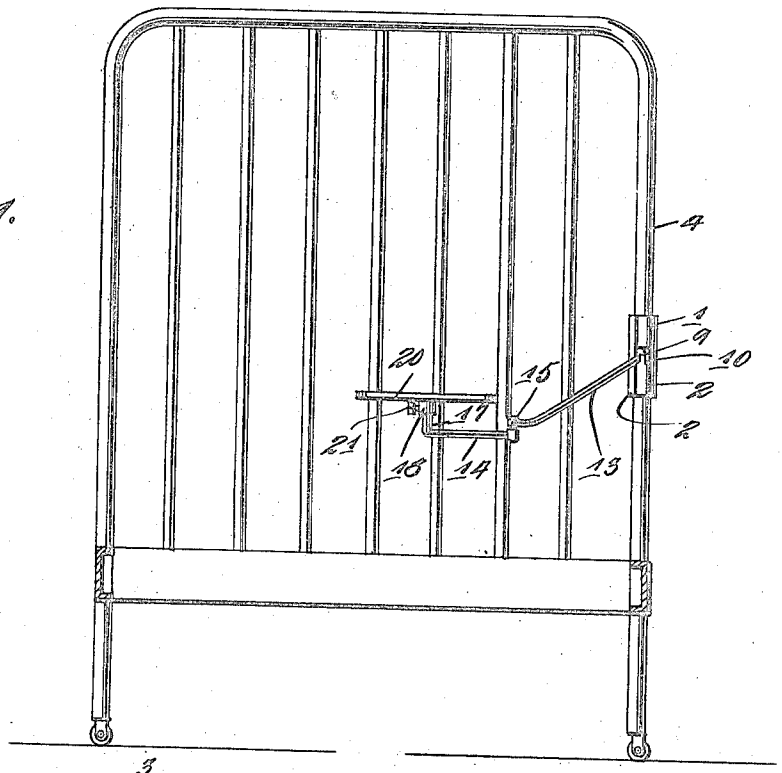


Fig. 2.

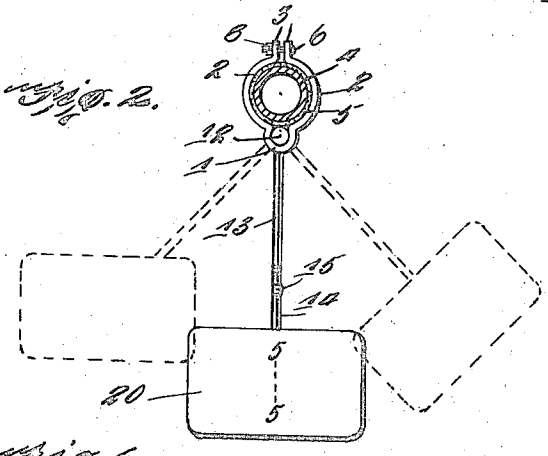


Fig. 3.

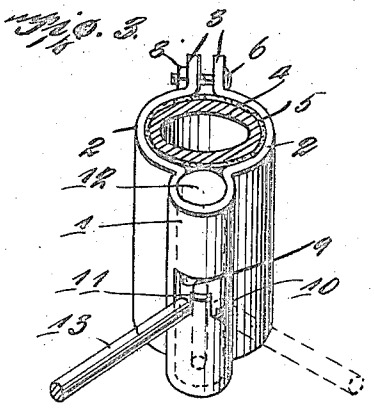


Fig. 6.

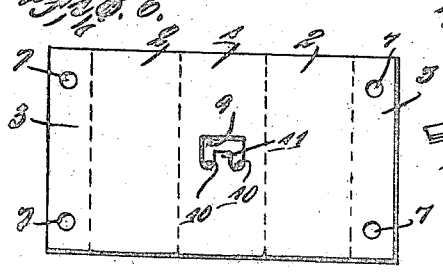


Fig. 4.

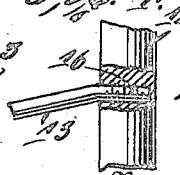
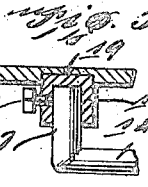


Fig. 5.



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BRACKET ATTACHMENT FOR BEDPOSTS.

1,248,117. Specification of Letters Patent. Patented Nov. 27, 1917.

Application filed June 10, 1916. Serial No. 102,862.

To all whom it may concern:

Be it known that I, RALPH HODER, a citizen of the United States of America, residing at Scranton, in the county of Lackawanna and State of Pennsylvania, have invented certain new and useful Improvements in Bracket Attachments for Bedposts, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a bracket attachment for bed posts and has for its principal object the production of a device which is so formed as to hold a tray upon which various articles may be positioned in an adjusted manner so as to permit the tray to be swung over the bed if desired, or swung to one side when necessary.

Another object of this invention is the production of a bracket attachment for bed posts wherein the supporting arm is pivotally mounted upon a sleeve in such a manner that when the arm is swung to an adjusted set position it may be held in this position and will not be accidentally displaced when in use.

A still further object of this invention is the production of a bracket attachment for bed posts wherein the clamp which is to be secured to the bed post has a sleeve formed thereon in such a manner as to pivotally support the pintle carried thereby so that the arm may be swung to an adjusted position after which the arm will be held against accidental displacement by means of a tongue fitting upon one side of the arm and holding the same against accidental movement.

With these and other objects in view, this invention consists of certain novel combinations, constructions, and arrangements of parts as will be hereinafter fully described and claimed.

In the accompanying drawing:

Figure 1 is a front elevation of the bracket attachment as constructed in accordance with this invention, and showing the same mounted upon a bed post.

Fig. 2 is a top plan view of the bracket attachment.

Fig. 3 is a detail perspective view of the clamp and sleeve, illustrating the manner in which the pintle and one section of the arm are supported thereby.

Fig. 4 is a fragmentary sectional view of a portion of the device, illustrating the manner in which one section of the arm is permanently secured to the pintle.

Fig. 5 is a fragmentary sectional view of the device, partly in elevation, illustrating how one section of the arm is secured to the tray.

Fig. 6 is a plan view of the blank from which the clamp is formed.

Referring to the accompanying drawing by numerals it will be seen that the bracket attachment comprises a clamp and sleeve which are formed of a blank sheet of material, as shown in Fig. 6. This sheet of material is bent adjacent its central portions to provide the circular sleeve 1 from which extends the jaws 2 upon which the flanges 3 are formed. It will be seen that all of the bends are made in a vertical plane so as to permit the clamp to be readily applied upon a bed post. The jaws 2 of the clamp are adapted to fit upon the bed post 4 although, of course, it is obvious that a suitable filler 5 may be interposed between these elements when so desired so as to prevent the bed from being scarred and to assist in holding the clamp from slipping upon the vertical post of the bed. The bolts 6 may then be passed through the alined openings 7 formed in the flanges 3 so as to permit the nuts 8 to be applied to the projecting ends of the bolts 6, whereby the bolts and nuts will tend to draw the flanges 3 toward each other and thus clamp the jaws in a binding fixed engagement with the bed post 4 at a desired height and in a set position. The sleeve 1 is provided with a horizontally extending slot 9 formed therein with which the pockets 10 communicate. These pockets 10, however, communicate with the ends of the slot 9 so as to form the central upstanding tongue 11, as shown in Figs. 3 and 6.

The pintle 12 is elongated, as shown in Fig. 3 and is substantially cylindrical so as to conform in shape to the contour of the sleeve 1, whereby this pintle may be readily rotated within the sleeve when in operation.

The arm comprises a primary section 13 and an auxiliary section 14 which are connected together by means of an ordinary pivoted joint 15 of any suitable construction. It is thought, therefore, that it is not necessary to give a detail description of the pivoted joint 15 since, as above stated, any suitable or given form may be employed.

The primary section 13 of the arm has a threaded end 16 which is threaded into the pintle 12 as shown in Fig. 4. Thus, it will be seen that as the section 13 of the arm will extend through the slot 9 to rest within one of the pockets 10 the movement of the pintle will be limited in one direction. The auxiliary section 14 of the arm is provided with an upturned neck 17 which fits within the thimble 18 fitting within the pocket 19 and secured in any suitable manner thereto and to the tray 20. In order to hold the thimble from accidental displacement from the neck 17 a set screw 21 passes rearwardly through the thimble 18 into a binding engagement with the neck 17 and thus holds the thimble in a set engagement with the neck. The securing of the thimble 18 to the tray 20 may be in any suitable manner, such as for instance by solder or by shrinking the same thereon, or in any other manner desired.

When this attachment is in use the jaws of the clamp are clamped upon the bed post, as shown in Figs. 1 to 3 inclusive. In this manner it will be seen that the clamp will be held at a desired height. The auxiliary section 14 of the arm is normally adapted to be swung so as to extend adjacent the primary section 13. At this time the primary section of the arm will extend over the sleeve through the outer pocket 10, as shown in dotted lines adjacent the right hand portion of Fig. 3, whereby the bracket attachment will be carried out of the way and will not be extending over the bed. When it is desired to use the tray such for instance as for carrying dishes, the arm may be lifted upwardly for a short distance, thereby lifting the primary section of the arm from the outer pocket 10, after which the arm may be swung toward the inner pocket 10 passing over the tongue 11, as shown in central dotted lines in Fig. 3. After passing over this tongue the arm may be released and the pintle, of course, will move downwardly to its normal position within the tongue 11 so as to cause the primary section 13 of the arm to extend through the inner pocket 10, as shown in full lines in Fig. 1 and in dotted lines adjacent the left hand portion of Fig. 2. It is obvious that the auxiliary section 14 of the arm may be swung a slight distance for facilitating a more accurate adjustment of the arm when in use. It is further obvious that the tongue 11 will bear upon the side portions of the primary section 13 of the arm whether the arm is extending in an operative or inoperative position, thus holding the arm against accidental swinging movement by the pivotal action of the pintle within the sleeve.

It is, of course, obvious that this attachment may be used upon various objects such for instance as hat racks or trees, the side rail of a bed, or any other desired object simply by the clamping of the jaws of the clamp in position. Therefore, it is desired to point out that this device is not to be limited to the specific form of the device as herein disclosed for it is intended to include all such forms of the invention as properly come within the scope of the invention as claimed.

What is claimed is:—

1. In a device of the class described, the combination of an arm, a tray carried upon said arm, a pintle carried upon the remaining end of said arm, a sleeve, jaws extending from said sleeve in spaced relation thereby forming a clamp, said jaws terminating in spaced flanges, means for drawing said flanges toward each other for clamping said jaws upon a support, said pintle fitting within said sleeve, thereby pivotally supporting said arm, whereby said arm may be moved to an adjusted position, said sleeve having a horizontally extending slot and depending pockets communicating with the ends of said slot, thereby forming an upstanding tongue, said arm extending through said sleeve and normally resting within one of said pockets, whereby said tongue will engage said arm for holding the same against accidental movement, said pintle being adapted to be lifted from one pocket and moved over the tongue to pass into the remaining pocket so as to cause the arm to be retained in an adjusted set position.

2. As the new article of manufacture, a clamp to be used with the device of the class described, said clamp adapted to be formed from a sheet of metal, said sheet of metal being bent intermediate its end portions so as to form a sleeve, jaws integrally extending from said sleeve, integral flanges extending from said jaws, said jaws provided with a plurality of apertures, said sleeve provided with an elongated slot said slot adapted to extend horizontally, and to be provided with depending pockets communicating with the ends of said slot, so as to form an upstanding tongue.

3. In a device of the class described, the combination of a plurality of arms said arms being in pivotal relation to each other, one of said arms provided with an integral upstanding neck, a tray mounted upon said neck, means provided upon said tray for holding the same tightly upon said neck, the other arm provided with a pintle, said pintle provided with a threaded opening, whereby the end of said latter mentioned arm may be secured therein, a clamp provided with a sleeve adapted to receive said pintle, jaws extending from said sleeve, and adapted to engage a support, flanges extending from said jaws, means provided for drawing said flanges toward each other, for clamping said jaws upon a support, said sleeve provided with a horizontal slot and

depending pockets communicating with the ends of said slot thereby forming an upstanding tongue, said latter mentioned arm extending through said sleeve, and normally resting within one of said pockets whereby said tongue will engage said arm for holding the same from accidental movement, said pintle being adapted to be lifted from one pocket and moved over, said tongue to pass into the arm pocket.

In testimony whereof I hereunto affix my signature.

RALPH HODER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."