(No Model.)

W. F. SPURGIN.

HOLDING BRACKET.

No. 407,132. Patented July 16, 1889.

Fig. 1.

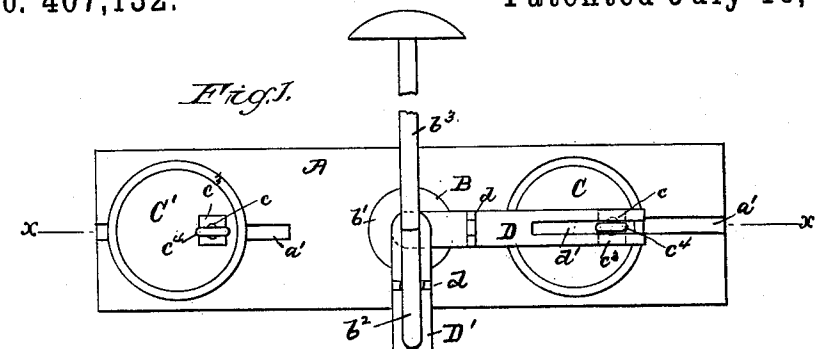


Fig. 2.

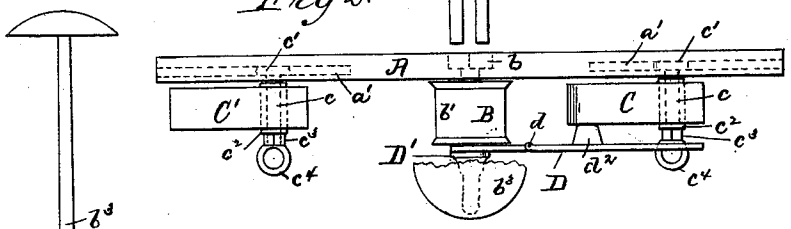


Fig. 3.

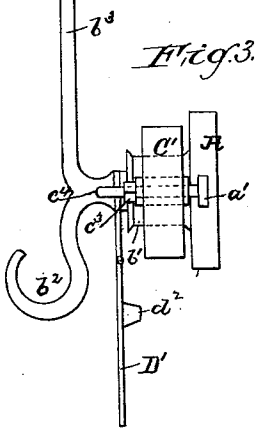
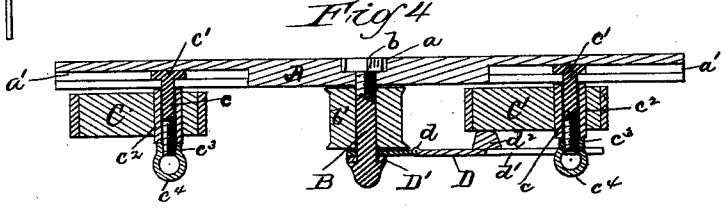


Fig. 4.



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WILLIAM F. SPURGIN, OF WEST POINT, NEW YORK.

HOLDING-BRACKET.

SPECIFICATION forming part of Letters Patent No. 407,132, dated July 16, 1889.

Application filed February 19, 1889. Serial No. 300,401. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM F. SPURGIN, now residing at West Point, Orange county, State of New York, a citizen of the United States, have invented an Improved Holding-Bracket, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a device or apparatus for gripping and holding the handles of umbrellas and canes or tools, like brooms, rakes, &c.; and my invention consists in a bracket having the parts and devices hereinafter described constructed and arranged to operate as and for the purpose hereinafter set forth, and as more particularly recited in the claims.

Figure 1 is a front elevation of a bracket containing my invention. Fig. 2 is a plan of the same. Fig. 3 is an end elevation of the bracket; and Fig. 4 is a horizontal section of the same on line *x x*, Fig. 1.

A is the base-plate of the bracket, upon which the operative parts are mounted.

B is a post, which is mounted rigidly upon said base and projects therefrom, as shown. This may be accomplished by seating one end of the post in an aperture in the base and providing said end with a screw-thread, upon which a nut *b* works, preferably in a recess *a* in the rear face of the base. The post may carry or be furnished with the enlargement *b'*, rigid thereon, and which may be of india-rubber or other suitable material affording frictional surface. Upon the forward end of the post there may be formed a hook b^2 and a vertical stem b^3, which may serve the former as a hanger for a coat or other garment and the latter as a support for a hat.

At C is shown a roller, which is journaled eccentrically upon a shaft *c*, carried by the base A and at one side of the post B, as shown. This roller is preferably provided with a peripheral ring or tire of india-rubber or other suitable material for giving a frictional surface to the periphery of the roller.

It is evident that when the described devices are not acting to grip, but are in a normal and released position, the roller C, owing to its eccentricity on its axis, will by its free movement on its shaft fall or rotate by gravity, so that its greatest radius will be perpendicular to and below its said shaft, thereby automatically arranging itself relatively to the adjacent post B so that a part of its periphery at a lesser radius is opposite to said post. In this position the devices are adapted to receive a handle between the post and roller-periphery; and when a handle is thus placed it is apparent that a downward movement of said handle will by friction upon the roller operate to rotate the roller, so as to bring a part of its periphery at its greater radius adjacent to the post, and thus serve to effect the clamping and holding of the said handle between the roller and post. Furthermore, it is evident that when it is desired to release said handle an upward movement thereof will in like manner operate to reversely rotate the roller, so as to bring a part of its periphery at its lesser radius again opposite to the post, whereupon the handle may then be withdrawn laterally from between said roller and post, and that thereupon the roller C will again automatically assume the position stated, in readiness for the insertion again of a handle, as described. It is also evident that the continuous cylindrical surface of the eccentric roller C adapts said roller to operate to grip, as described, handles of various diameters, the roller being capable of being rotated through a greater or less arc for this purpose.

I prefer to employ two rollers C and C', journaled on shafts mounted on the base on opposite sides of the post B, as shown, so that a single post may be common to two said rollers on the single base.

It will be found desirable to have the rollers C and C' adjustable relatively to the post on the base to adapt them to clamp and hold, as described, handles of various sizes or diameters. To accomplish this result the end of the roller-shafts seated in the base may be provided with a head *c'*, engaged and working in a lipped groove *a'* in the base, a sleeve c^2 being provided on each shaft, on which the roller may turn freely, and a clamping-nut c^3 being provided on the front end of the

shaft, the same being threaded, as shown, to secure and hold the shaft in the groove in its desired position relative to the post B.

D D′ are hasps journaled loosely on the front end of the post B, and adapted to reach over the rollers C C′, respectively, perimetally when swung to a horizontal position, as shown. These hasps have preferably a hinge-joint *d*, and are furnished with a slot *d′* to adapt them each to engage an eye or ring c^4, carried by the clamping-nut c^3 on the respective roller-shafts, as shown. Upon the inner or rearward face of each hasp is desirably fixed a projection d^2, preferably of india-rubber, adapted to engage the perimeter of the roller when each hasp is swung to and fitted upon the roller-shaft end, as before described.

When the hasps, either or both, are engaged with the eye c^4, a suitable padlock or other known locking device may be locked upon said eye, and thus the object gripped between the rollers and the post be prevented from being withdrawn laterally from its clamped position, and the projection d^2 carried by each hasp will press upon and engage the perimeter of its roller, and thus prevent the revolution and consequent escape or withdrawal of the object gripped thereby when the hasp is engaged to the roller-shaft, as described.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a holding-bracket, the combination, with the base-plate A and the post B, fixed rigidly therein, of a roller C, having a continuous cylindrical periphery provided with the described frictional tires and journaled eccentrically on and free to revolve upon a shaft set in said base-plate alongside said post, substantially as and for the purpose set forth.

2. In a holding-bracket, the combination, with the base-plate A and the post B, fixed rigidly therein, of a roller C, journaled eccentrically and free to revolve upon a shaft mounted upon the base-plate and adjustable relatively to said post on said base-plate, substantially as set forth.

3. In a holding-bracket, the combination, with the base-plate A and the post B, fixed rigidly therein, of a roller C, journaled eccentrically and free to revolve upon a shaft mounted on said base-plate, a hasp D, journaled on said post, and a staple c^4 on said roller-shaft, said hasp being adapted to swing to and engage said staple, together with a locking device to fasten said hasp to said eye, substantially as and for the purpose set forth.

4. In a holding-bracket, the combination, with the base-plate A and the post B, fixed rigidly therein, of a roller C, journaled eccentrically and free to revolve upon a shaft mounted on said base-plate, a hasp D, journaled on said post, a staple on said roller-shaft adapted to be engaged by said hasp, and a projection d^2 on said hasp adapted to engage said roller perimetally, together with a locking device to fasten said hasp to said eye, substantially as and for the purpose set forth.

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