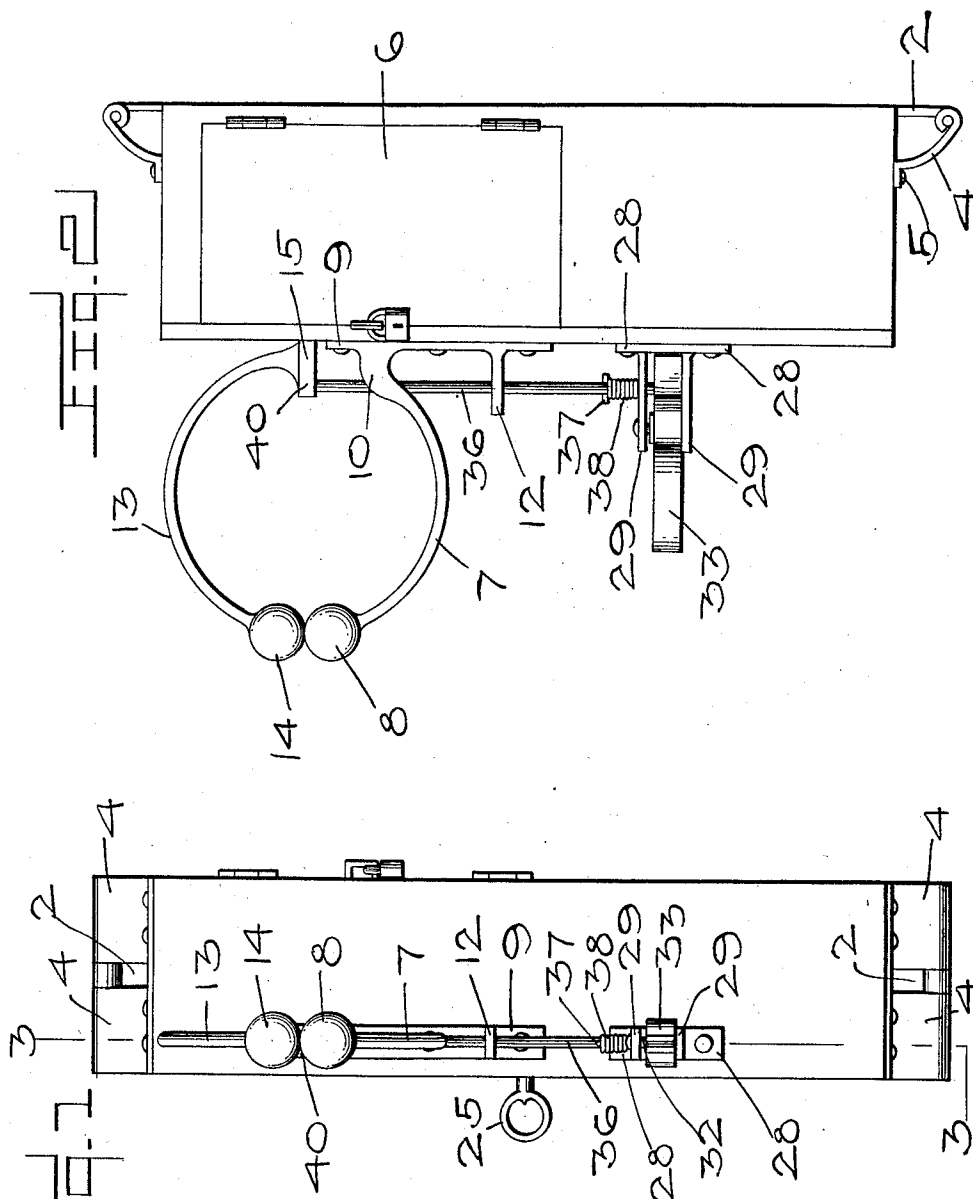


E. J. PERLEY.
SAFETY RACK.
APPLICATION FILED JAN. 25, 1911.

1,037,520.

Patented Sept. 3, 1912.

2 SHEETS—SHEET 1.



Witnesses

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Inventor

Edgar J. Perley

By *Harry C. Chandler*

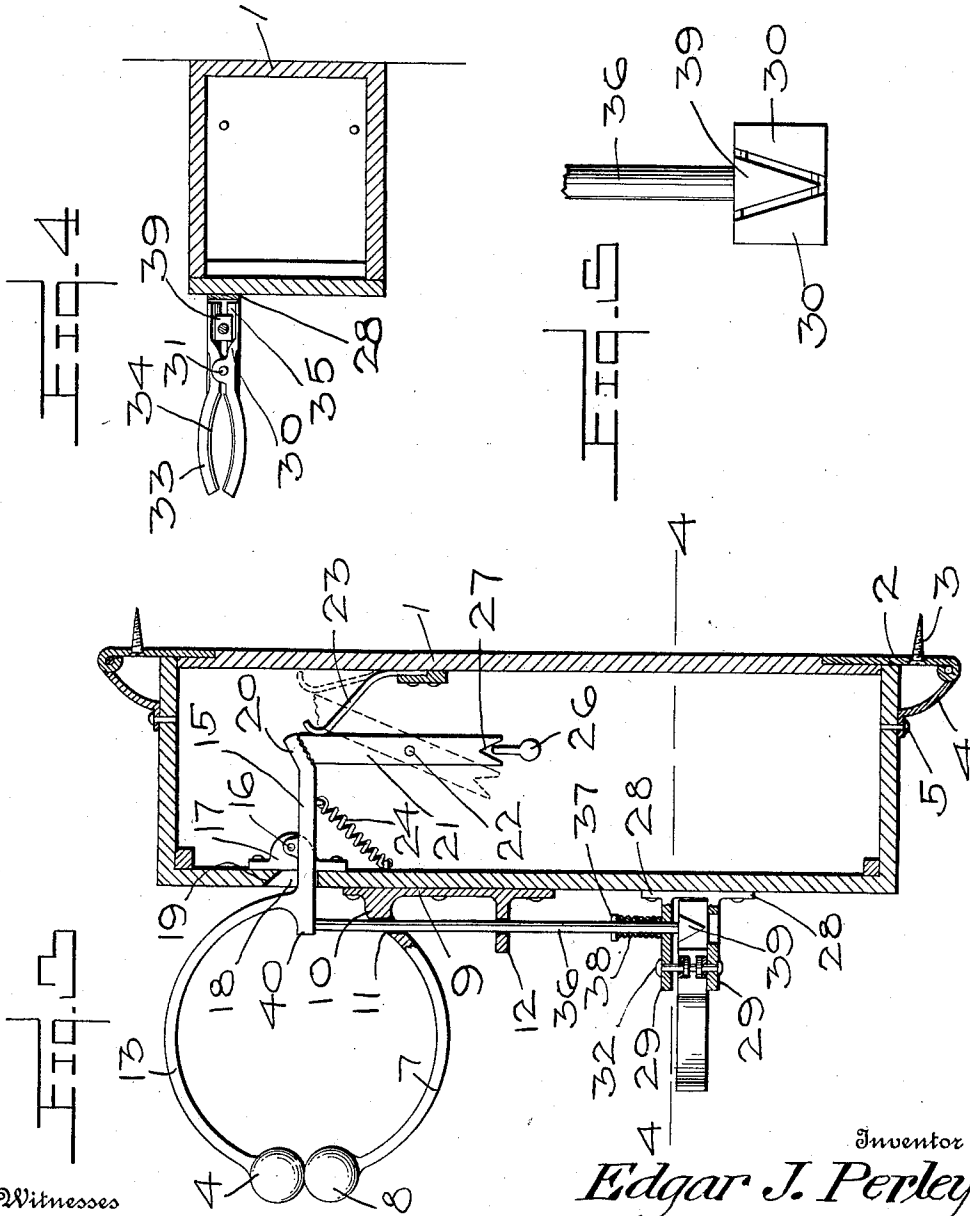
Attorney

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UNITED STATES PATENT OFFICE.

EDGAR J. PERLEY, OF EMERSON, IOWA.

SAFETY-RACK.

1,037,520.

Specification of Letters Patent.

Patented Sept. 3, 1912.

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To all whom it may concern:

Be it known that I, EDGAR J. PERLEY, a citizen of the United States, residing at Emerson, in the county of Mills and State of Iowa, have invented certain new and useful Improvements in Safety-Racks, of which the following is a specification.

This invention relates to improvements in the combination rack for hats, coats and umbrellas.

The principal object of the invention is to provide a device of this character which by the operation of the detent by means of a key will simultaneously lock a hat, coat or umbrella to the rack.

Another object of the invention is to provide means on the hat and coat rack which is adapted to engage means which in turn has engagement with an umbrella holding means whereby the hat and coat portion of the rack and the umbrella portion may be simultaneously operated.

A further object resides in the peculiar construction of the movable jaw of the hat and coat suspending portion and the means for opening the umbrella clamping portion.

These and other objects will be apparent from the following description and with particular reference to the accompanying drawings, but it will be understood that changes of this specific structure shown and described may be made within the scope of the claim, without departing from the spirit of the invention.

In the accompanying drawings:—Figure 1 is a front elevation of a rack made in accordance with my invention. Fig. 2 is a side elevation of the same. Fig. 3 is a vertical sectional view on the line 3—3 of Fig. 1. Fig. 4 is a horizontal sectional view on the line 4—4 of Fig. 3. Fig. 5 is a rear end elevational view of the clamping jaws.

Referring particularly to the drawings, 1 represents a suitable housing which is adapted to be secured to a support by means of screws 3 or other suitable fastenings passed through openings in the plates 2. The outer ends of the plates 2 are hingedly connected to the curved guard plates 4 which have the horizontally disposed flanges 5 perforated so that the same may be secured by means of screws or other suitable fastenings respectively to the upper and lower walls of the housing. The plates 4

protect against the removal of the screws 3 in an attempt to carry away the rack.

The side of the housing is provided with a hinged door 6 by means of which access is obtained to the mechanism within the said housing. Secured to the exterior of the front wall of the housing, by any suitable means, is a stationary jaw 7 which is of approximately semi-circular outline, and provided on its free end with a ball knob 8 formed of any suitable material such as rubber or felt. The attaching portion of the said jaw comprises a member 9 from the upper end of which, and in an outward direction extends the above mentioned jaw 7. At a point indicated at 10 where the said jaw projects from the portion 9 is formed a vertical guide opening 11, to be later referred to, and also in a vertical line below and integral with the lower portion of said member 9 is a vertically perforated lug 12 which will also be later described.

Above the jaw 7 is another jaw adapted to cooperate therewith and of similar construction 13. This jaw is also provided with a ball knob 14 at one end, and at the inner end of the curved portion of said jaw is formed integrally a horizontally disposed member 15 which extends within the housing, and is pivotally mounted at 16 on a bracket 17 located within said housing. An opening 18 is formed in the front wall of the housing through which the jaw 13 projects, and to permit the outward swing of said jaw I form the upper wall of said opening with a beveled face 19. The inner end of the member 15 turns up slightly at 20, and has its lower face scored or corrugated and adapted to cooperate with the scored or corrugated upper end of a detent 21 pivotally mounted within the housing at 22. Secured in the rear wall of the housing is a spring 23 adapted to bear against the rear face of the detent 21 and to hold the same in its normal forward position. The detent 21 is adapted to swing so that this upper end engages the lower face of the portion 20 of the member 15 and to hold these parts together I provide a spring 24 secured at one end to said member 15 and at its opposite end within the housing. Thus the normal tendency of the jaw 13 is to fly open under the influence of the spring 24, but is only prevented from doing so when the detent 21 is under the portion 20, but

as soon as said detent is swung from under the member 20, the spring 24 will immediately draw down the portion 15 causing the jaw 13 to raise, thus opening the jaws.

5 The detent is swung into an out-of-position by means of a key 25 inserted through a keyhole 26 in one wall of the housing, a part of said key engaging in a V-shaped cut 27 or other suitably formed notch in the lower end of said detent.

10 Secured to the outer face of the front wall of said housing and in a line vertically below the aforesaid lug 12 is a casting comprising the attaching flanges 28, and outwardly extending lugs 29 which are perforated vertically in alinement with the openings of the said lug 12 and with said opening 11. A pair of jaws 30 hingedly connected at 31 are disposed between the lugs 29 and are held in position relative to the said lugs and pivoted together by means of a pin 32 passing through said lugs and the hinged portion of said jaws. The outer ends 33 of the jaws are curved out slightly, and lined within with a soft gripping material 34, which may be cork, rubber, felt, or the like, and between which is adapted to be placed an umbrella or cane. The opposite ends of the jaws have their inner faces 35 downwardly and inwardly inclined for a purpose now to be described.

Mounted to slide vertically through the respective openings 11 through the lug 12 and the upper of the lugs 29 is a jaw operating rod 36 having a pin 37 disposed transversely therethrough at a suitable distance above the lug 29, and encircling said rod and disposed between the pin and the lug is a coiled spring 38 whose force is exerted in an upward direction to force said rod normally upward into an inoperative position. The lower end of the rod is formed with a downwardly tapering conical head 39 which engages with the inclined faces 35 of the jaws 30, to force said jaws apart. At the junction of the curved portion of the jaw 13 and the member 15 is an outwardly directed extension 40 which is adapted to engage the upper end of the rod 36 to force the same downwardly when the said jaw 13 is closed.

In the operation of the device, the parts being in the position shown in dotted lines in Fig. 3, a coat and hat are placed on the jaw 7 over the ball 8, at the same time, an umbrella or cane is slipped between the portions 33 of the jaws 30, when the jaw 13 is pulled down. This causes the portion 40 to engage the upper end of the rod 36 and force the conical head downward to spread the

rear ends of the jaws 30, which closes the ends 33 effectively clamping the umbrella or cane. In the meantime, the detent 21 under the influence of the spring 23 is sprung under the portion 20 as said portion 20 wipes past said detent to the position shown in full lines of said figure, the scored face forming a positive grip, and preventing the parts being forced away from each other until the key 25 is inserted in the opening to force said detent back into the position of the dotted lines.

It will thus be seen that the device is simple and easily operated, and will effectively retain a hat and coat and umbrella in position. It will also further be noticed that the key is adapted to stay in the lock when the parts are in the dotted position, to prevent the user carrying the key away with him when he has no further use for the rack, but which is adapted to be removed when the garments have been locked thereon.

What is claimed is:

A locking garment rack comprising a housing having an outwardly flaring opening in the upper portion of the front wall thereof, a bracket secured to the outer portion of the walls below the opening, said bracket carrying a clamping jaw, a vertically perforated extension on the bracket, a spring-pressed plunger vertically slidable through the opening in the extension, the said jaw having a vertical opening to receive said plunger, a bracket mounted on the front wall within the box, adjacent the opening, a jaw pivotally mounted in the bracket and adapted for coöperation with the first-named jaw, an arm on the last-named jaw extending within the housing, the inner end of said arm being upwardly inclined and having a roughened lower face, a vertically arranged pivoted detent, a spring for holding the detent normally in the vertical position in engagement with the roughened face of the said arm, a bifurcated lower end on the detent for engagement by a key for moving said detent, an outwardly extending lug on the pivoted jaw engaging with the upper end of said plunger, and a spring for raising the pivoted jaw when the detent is moved out of engagement therewith.

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

EDGAR J. PERLEY.

Witnesses:

M. L. EVANS,

R. M. SHIPMAN.