April 17, 1934. W. KAUFMAN 1,955,462

PAY STATION TELEPHONE LOCK

Filed Nov. 3, 1932

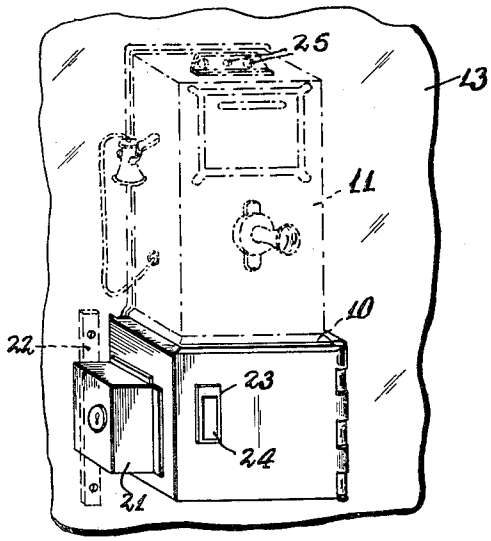


Fig. 1.

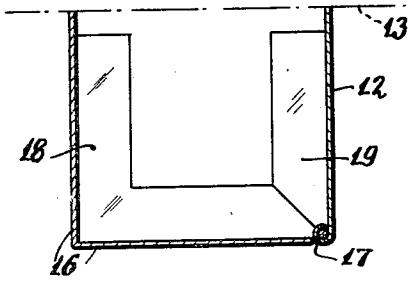


Fig. 4.

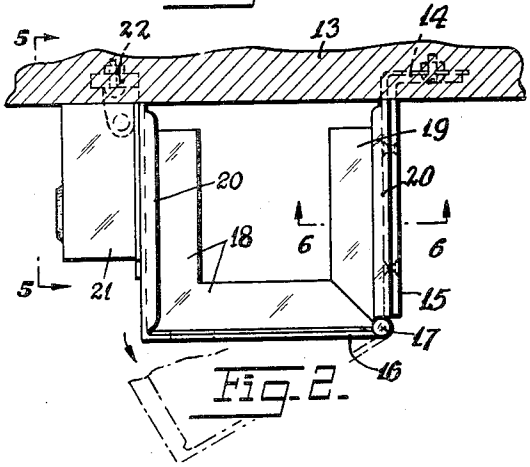


Fig. 2.

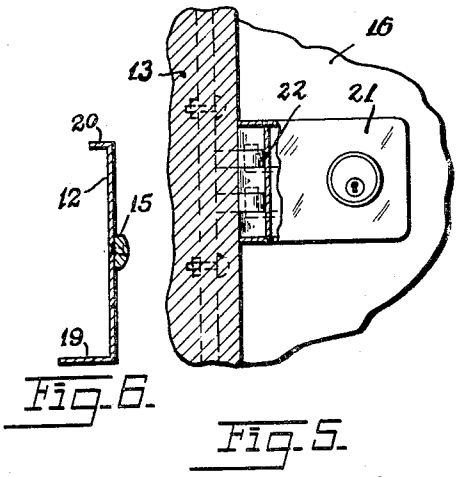


Fig. 6.

Fig. 5.

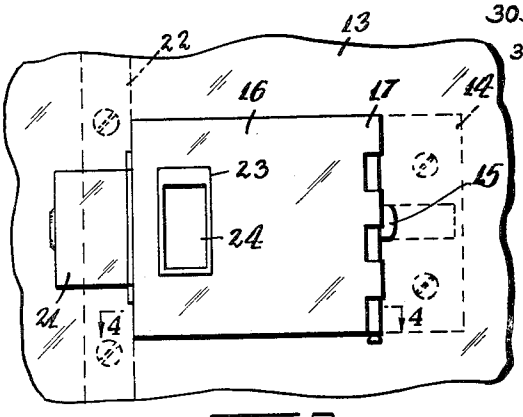


Fig. 3.

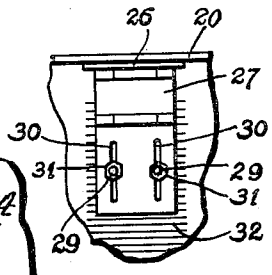


Fig. 8.

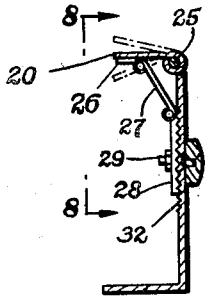


Fig. 7.

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PAY STATION TELEPHONE LOCK

Wolf Kaufman, New York, N. Y.

Application November 3, 1932, Serial No. 640,967

6 Claims. (Cl. 70—122)

This invention relates to new and useful improvements in a pay station telephone lock.

Robberies of the coin boxes at telephone pay stations are very frequent. The telephones are constructed with cash boxes on their lower extremities which are very easily broken open by dishonest persons.

It is an object of this invention to arrange in combination with a device, such a telephone on the wall, which is of substantially box-shape and having an enlarged bottom portion holding a cash box, an arrangement whereby the said bottom portion is covered and protected against robbers.

As a further object of this invention it is particularly proposed to mount a side plate permanently within the wall upon which the device as mentioned in the previous paragraph is mounted in a manner so as to extend over the side of the device, and to hingedly connect an angle plate capable of extending across the front and other side of the device, and then arranging a cylinder lock for holding the angle plate in locked position.

As a still further object of this invention it is proposed to secure a cylinder lock upon the side of said angle plate in a manner so that it securely locks the angle plate in place.

Furthermore, this invention proposes an arrangement whereby the side plate and the side of the angle plate is provided with flanges adapted to extend at inclinations over the top edge of the enlarged bottom portion of the box-shape so as to securely protect it.

Furthermore, an arrangement is proposed whereby said flanges may be adjusted at various inclinations to better protect the enlarged portion of the box.

Still further it is proposed to construct a device as mentioned which is simple and durable and which may be manufactured and sold at a reasonable cost.

For further comprehension of the invention and of the objects and advantages thereof, reference will be had to the following description and accompanying drawing, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing forming a material part of this disclosure:—

Fig. 1 is a perspective view of a pay station telephone lock according to this invention shown schematically applied upon a telephone.

Fig. 2 is a plan view of Fig. 1.

Fig. 3 is a front elevational view of Fig. 2.

Fig. 4 is a horizontal sectional view taken on the line 4—4 of Fig. 3.

Fig. 5 is a fragmentary elevational view looking in the direction of the line 5—5 of Fig. 2, certain parts being shown in section.

Fig. 6 is a sectional view taken on the line 6—6 of Fig. 2.

Fig. 7 is a view similar to Fig. 6 but showing a modified construction.

Fig. 8 is a fragmentary elevational view looking in the direction of the line 8—8 of Fig. 7.

The pay station telephone lock according to this invention is used in conjunction with a telephone indicated in Fig. 1 schematically by the dot and dash lines, said telephone being constructed of substantially box-shape and having an enlarged portion 10 at the bottom. The upper portion of the telephone is indicated by reference numeral 11. The lock according to this invention comprises a side plate 12 for permanent attachment upon the wall 13 on which the telephone is mounted and arranged to project at right angles to the wall and to cover one side of the enlarged portion 10 of the telephone. The mounting of the plate 12 is accomplished by imbedding its rear end into the wall, or in any other manner attaching it so that it may not be removed. More particularly, the rear edge of the side plate 12 is bent at right angles indicated by reference numeral 14 and this is imbedded in the wall, see Fig. 2. This side plate is reinforced by a reinforcement strip 15 which is riveted upon the side of the plate 12 and which also has its rear end bent at right angles and in intimate contact with the bent edge 14. This construction insures a very rigid solid connection of the side plate with the wall.

An angle plate 16 is adapted for extending across the front of the enlarged bottom portion 10 of the telephone, and also across the other side of said enlarged portion. The angle plate 16 is hingedly mounted at one edge 17 upon the free front edge of the plate 12. This angle plate is provided with a bottom flange 18 extending inwards at right angles thereto. The side plate 12 is also provided with a similar bottom flange 19 also extending inwards at right angles. These flanges are adapted to engage snugly against the bottom side of the telephone. Furthermore, the flange 18 which is substantially of L-shape, see Fig. 4, serves to reinforce and add rigidity to the angle plate construction. The side plate 12 and the side arm of the angle plate 16 are formed with small flanges 20 extending inwards substantially at right angles for engaging against the bevel

portion of the enlarged bottom portion 10 of the telephone where this bottom portion connects with the upper portion of the telephone. The top flanges 20 should be of such inclinations that they snugly engage against the inclined section of the telephone immediately at the top of the enlarged portion 10.

A cylinder lock 21 is securely mounted upon the side arm of the angle plate 16 and is adapted to coact with a keeper 22 permanently mounted in the wall 13. In Fig. 5 the keeper is shown to comprise a vertical element which is imbedded into the wall 13 and horizontal keeper lugs which extend into a portion of the cylinder lock and are adapted to be engaged by the bolt thereof. The arrangement is such that the angular plate 16 may be securely locked in place concluding the encircling of the enlarged portion of the telephone. The front arm of the angle plate 16 is formed with a cutout 23 aligned with the coin return opening 24 of the telephone 11. The telephone 11 is shown of the type provided with coin deposit openings 25 at the top, generally used, and in which the coins fall down into a coin receiving box at the bottom. In Fig. 2 the fragmentary dot and dash lines indicate the angle plate 16 partially opened.

In Figs. 7 and 8 a modification of the invention has been disclosed in which provision is made for adjusting the angular position of the top flanges 20 of the locking device. Thus these top flanges may be placed in proper angles to snugly engage against the upper edges of the enlarged bottom 10 of the telephone. More particularly each of the flanges 20 is hingedly mounted at its rear end 25 upon the upper edge of the sides of the locking device. A hinge is secured upon the bottom side of each of the flanges 20 and comprises a hinge leaf 26 permanently attached upon the bottom side of the flange 20 and hingedly connected with the second leaf 27. This second leaf, at its lower end, is hingedly connected with a plate 28 adjustably secured upon the inner face of the side of the locking device. The adjustable mounting of the plate 28 is accomplished by studs 29 projecting from the sides of the locking device and extending through vertical slots 30 formed in the plate 28. Nuts 31 threadedly engage upon the studs 29 and serve to clamp the plate against the inner side of the device. To insure proper gripping the adjacent faces of the plate 28 and the sides of the device are formed with serrations 32. The dot and dash lines in Fig. 7 indicate several adjusted positions of the flange 20.

While I have shown and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new and desire to secure by United States Letters Patent is:

1. In combination with a device secured upon a wall and substantially of box-shape with an enlarged bottom, a side plate for permanent attachment on the wall to project at right angles thereto for covering one side of said enlarged portion, an angle plate for extending across the front and other side of said enlarged portion and hingedly connected with the front edge of said side plate, a lock keeper adapted for permanent mounting upon said wall, a cylinder lock mounted upon the side arm of said angle plate and adapted to lock with said keeper, and bottom flanges from said side plate and angle plate for extending partially across the bottom of said box-shaped device, the top edges of said side plate and the side arm of said angle plate being formed with top flanges extending inwards substantially at right angles for engaging against the top edges of said enlarged portion of the box-shaped device, and means upon the inner faces of said top flanges and side plate and side arm of said angle plate for adjusting the angular relation of said flanges with said side plate and side arm of the angular plate.

2. In combination with a device secured upon a wall and substantially of box-shape with an enlarged bottom, a side plate for permanent attachment on the wall to project at right angles thereto for covering one side of said enlarged portion, an angle plate for extending across the front and other side of said enlarged portion and hingedly connected with the front edge of said side plate, a lock keeper adapted for permanent mounting upon said wall, a cylinder lock mounted upon the side arm of said angle plate and adapted to lock with said keeper, and bottom flanges from said side plate and angle plate for extending partially across the bottom of said box-shaped device, the top edges of said side plate and the side arm of said angle plate being formed with top flanges extending inwards substantially at right angles for engaging against the top edges of said enlarged portion of the box-shaped device, and means upon the inner faces of said top flanges and side plate and side arm of said angle plate for adjusting the angular relation of said flanges with said side plate and side arm of the angular plate, said top flanges being hingedly mounted.

3. In combination with a device secured upon a wall and substantially of box-shape with an enlarged bottom, a side plate for permanent attachment on the wall to project at right angles thereto for covering one side of said enlarged portion, an angle plate for extending across the front and other side of said enlarged portion and hingedly connected with the front edge of said side plate, a lock keeper adapted for permanent mounting upon said wall, a cylinder lock mounted upon the side arm of said angle plate and adapted to lock with said keeper, and bottom flanges from said side plate and angle plate for extending partially across the bottom of said box-shaped device, the top edges of said side plate and the side arm of said angle plate being formed with top flanges extending inwards substantially at right angles for engaging against the top edges of said enlarged portion of the box-shaped device, and means upon the inner faces of said top flanges and side plate and side arm of said angle plate for adjusting the angular relation of said flanges with said side plate and side arm of the angular plate, said top flanges being hingedly mounted, said adjusting means comprising hinges having one of the leaves secured upon the bottom of said flanges and the other leaf hingedly connected with an anchorage plate, and means for adjustably clamping said anchorage plate against the inner sides of said side plate and said arm of the angular plate.

4. In combination with a device secured upon a wall and substantially of box-shape with an enlarged bottom, a side plate for permanent attachment on the wall to project at right angles thereto for covering one side of said enlarged

portion, an angle plate for extending across the front and other side of said enlarged portion and hingedly connected with the front edge of said side plate, a lock keeper adapted for permanent mounting upon said wall, a cylinder lock mounted upon the side arm of said angle plate and adapted to lock with said keeper, and bottom flanges from said side plate and angle plate for extending partially across the bottom of said box-shaped device, the top edges of said side plate and the side arm of said angle plate being formed with top flanges extending inwardly substantially at right angles for engaging against the top edges of said enlarged portion of the box-shaped device, and means upon the inner faces of said top flanges and side plate and side arm of said angle plate for adjusting the angular relation of said flanges with said side plate and side arm of the angular plate, said top flanges being hingedly mounted, said adjusting means comprising hinges having one of the leaves secured upon the bottom of said flanges and the other leaf hingedly connected with an anchorage plate, and means for adjustably clamping said anchorage plate against the inner sides of said side plate and said arm of the angular plate, comprising studs projecting from the side plate and engaging in slots formed in the anchorage plate, and means upon said studs for abutting against the plate and forcing said plate against the side plate.

5. In combination with a device secured upon a wall and substantially of box-shape with an enlarged bottom, a side plate for permanent attachment on the wall to project at right angles thereto for covering one side of said enlarged portion, an angle plate for extending across the front and other side of said enlarged portion and hingedly connected with the front edge of said side plate, a lock keeper adapted for permanent mounting upon said wall, a cylinder lock mounted upon the side arm of said angle plate and adapted to lock with said keeper, and bottom flanges from said side plate and angle plate for extending partially across the bottom of said box-shaped device, the top edges of said side plate and the side arm of said angle plate being formed with top flanges extending inwardly substantially at right angles for engaging against the top edges of said enlarged portion of the box-shaped device, and means upon the inner faces of said top flanges and side plate and side arm of said angle plate for adjusting the angular relation of said flanges with said side plate and side arm of the angular plate, said top flanges being hingedly mounted, said adjusting means comprising hinges having one of the leaves secured upon the bottom of said flanges and the other leaf hingedly connected with an anchorage plate, and means for adjustably clamping said anchorage plate against the inner sides of said side plate and said arm of the angular plate, comprising studs projecting from the side plate and engaging in slots formed in the anchorage plate, and means upon said studs for abutting against the plate and forcing said plate against the side plate, adjacent faces of said side plate being formed with serrations.

6. In a telephone lock, for telephones secured upon a wall and substantially of box shape with an enlarged bottom portion containing the cash box, a side plate for permanent attachment on the wall to project at right angles to the wall for covering one side of said enlarged portion and having flanges extending inwardly at right angles from the top and bottom edges, an angle plate for extending across the front and other side of said enlarged portion and hingedly connected with the front edge of said side plate and having flanges extending inwardly from the top and bottom edges, said flanges engaging against the corners of the enlarged portion of said telephone functioning also to protect the corners and preventing the insertion of tools between the telephone and said plates, the top flanges being hingedly supported, and means for holding said top flanges in various hinged positions.

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