Oct. 29, 1935. F. W. MABRY 2,019,426

HANDLE

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Fig. 1.

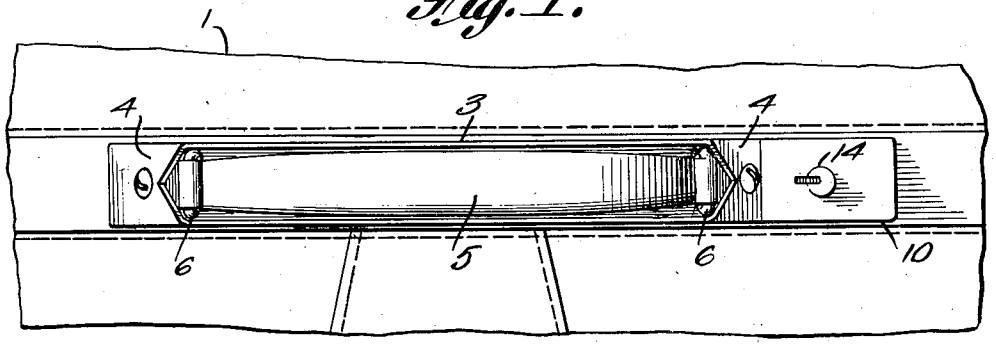


Fig. 2.

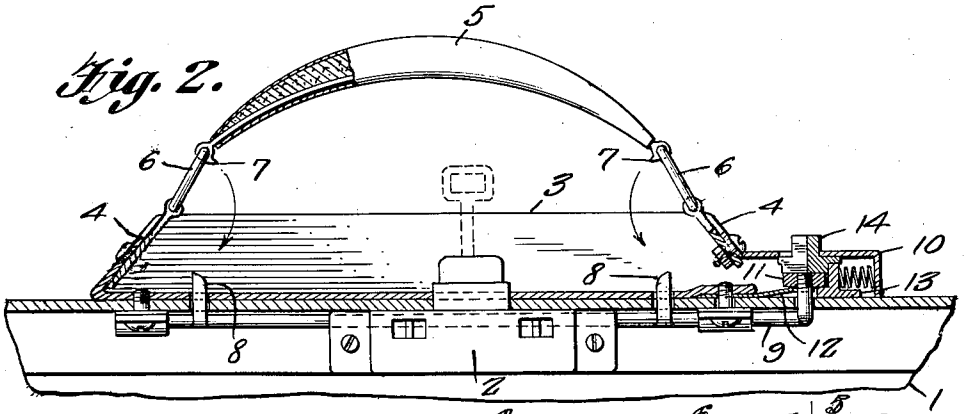


Fig. 3.

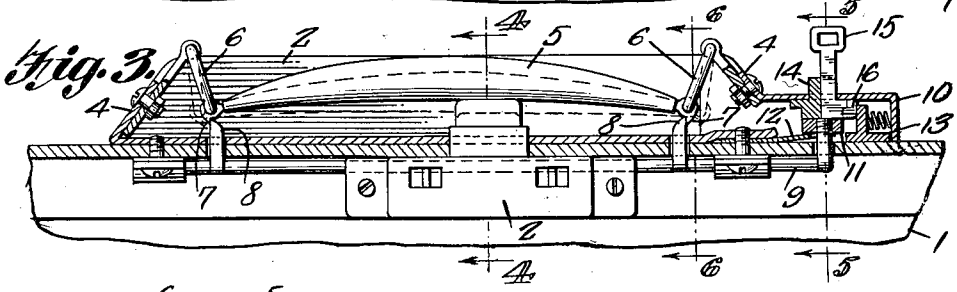


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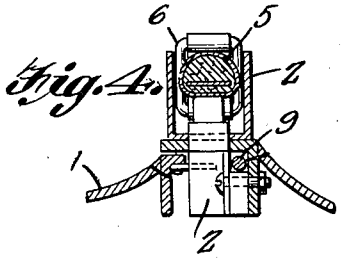


Fig. 5.

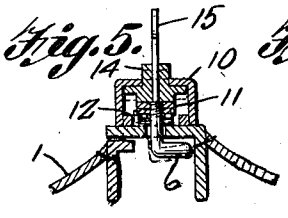
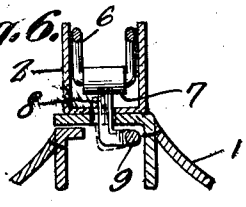


Fig. 6.



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Fig. 7.

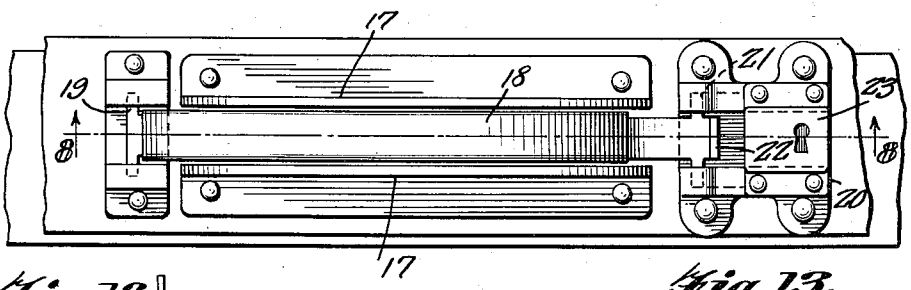


Fig. 12.

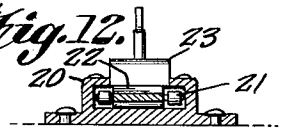


Fig. 13.

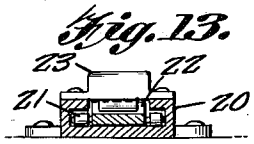


Fig. 8.

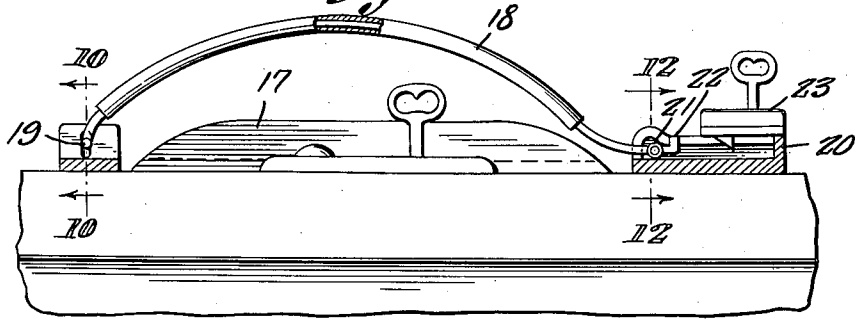


Fig. 9.

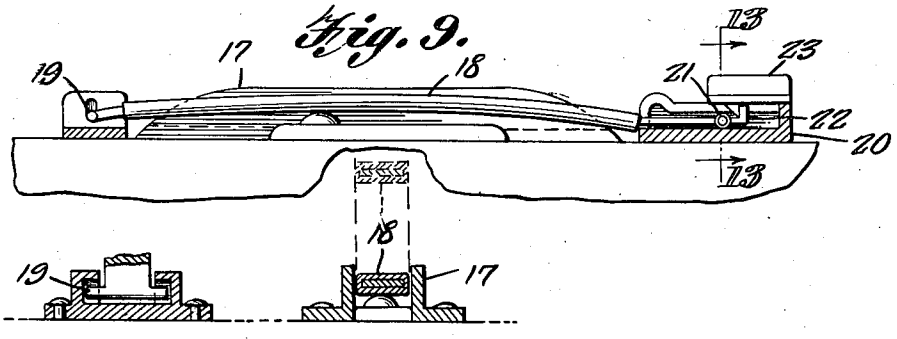


Fig. 10. Fig. 11.

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Patented Oct. 29, 1935 2,019,426

UNITED STATES PATENT OFFICE

2,019,426

HANDLE

Frank W. Mabry, Charleston, Mo.

Application November 19, 1934, Serial No. 753,741

6 Claims. (Cl. 70—14)

This invention relates to hand grips for satchels, suitcases or other types of luggage and has for the primary object the provision of a device of this character which may be readily and economically applied to luggage without materially increasing the manufacturing cost of the latter, and will have all of the advantages of the conventional type of hand grip with additional advantages of protecting the lock of the luggage from being picked or actuated by an unauthorized person and also will require its release from lock protecting position before the luggage may be lifted or carried by the hand grip.

With these and other objects in view, this invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawings, in which

Figure 1 is a top plan view illustrating a hand grip constructed in accordance with my invention and showing the application thereof to a fragmentary portion of a satchel or similar luggage.

Figure 2 is a fragmentary vertical sectional view showing the hand grip in luggage carrying position exposing the lock of the satchel for actuation by a key.

Figure 3 is a similar view showing the hand grip positioned to protect and prevent the actuation of the lock by the key and also positioned to prevent lifting or carrying of the satchel by said hand grip.

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

Figure 5 is a sectional view taken on the line 5—5 of Figure 3.

Figure 6 is a sectional view taken on the line 6—6 of Figure 3.

Figure 7 is a fragmentary plan view illustrating a modified form of my invention.

Figure 8 is a sectional view taken on the line 8—8 of Figure 7.

Figure 9 is a fragmentary side elevation, partly in section, showing the handle of the hand grip of my modified form of invention positioned to protect the lock of the satchel or similar luggage.

Figure 10 is a sectional view taken on the line 10—10 of Figure 8.

Figure 11 is a fragmentary transverse sectional view showing the several positons of the handle of the hand grip.

Figure 12 is a sectional view taken on the line 12—12 of Figure 8.

Figure 13 is a sectional view taken on the line 13—13 of Figure 9.

Referring in detail to the drawings, the numeral 1 indicates a fragmentary portion of a satchel or similar luggage wherein hinged or movable portions are provided to give admittance to the interior of the satchel and such portions being securable to one another by the usual key-actuated lock mechanism 2. Suitably mounted to one of the movable portions of the satchel is a channel member or guard 3 constructed of a suitable rigid material and the end walls 4 thereof have the ends of a handle 5 hinged thereto. Each hinge is of the loop or ring type, as shown at 6, commonly employed for connecting a handle to luggage. The hinges will permit the handle to be disposed outwardly of the guard 3 or to lie within the guard, as shown in Figure 3, and when in the latter-named position will overlie and engage the lock mechanism in which the key barrel thereof is confined within the guard to prevent the insertion of the key into the lock mechanism or the picking of the lock and further, will prevent a person from obtaining a grip on the handle for the purpose of lifting or carrying the satchel. It is preferable that the handle 5 be constructed of a semiflexible material so that when positioned out of the guard, as shown in Figure 2, it will assume an arcuate-shape and when moved into the guard to engage with the lock mechanism will elongate or straighten, as shown in Figure 3.

Projections 7 are formed on the hinged ends of the handle to engage with fingers 8 of a locking mechanism when said handle is moved into the guard so as to secure the handle in the last-named position. The fingers are integral with a shaft 9 rotatably mounted to one of the movable portions of the satchel upon the interior of the latter and by reference to Figures 2 and 3 it will be seen that the fingers operate through slots provided in the guard and one of the movable portions of the satchel.

One end of the shaft 9 is angularly disposed and extends through a slot in said movable portion of the satchel and enters a lock casing 10 formed integral with one end of the guard. A head 11 is secured to the angularly disposed end of the shaft 9 and is normally urged into its uppermost position by a leaf spring 12 providing a space between the head and the lock casing to receive a slidably mounted and spring-pressed tumbler 13. A key barrel 14 is operatively mount-

ed to the lock casing 10 for rotation and is capable of rotation and slidable movement with its inner end resting against the head 11. The barrel 14 receives a key 15 for the rotation thereof and the bit 16 of the key is adapted to engage the tumbler 13 during the rotation of the barrel to move said tumbler from under the head 11 so that when an inward sliding movement is imparted to the key and barrel said shaft will be rotated to disengage the fingers 8 from the shoulders 7 on the handle and free said handle so that it may be moved into the position as shown in Figure 2. The key employed for operating the barrel 14 may be the same key employed for actuating the lock mechanism 2. However, separate keys may be provided for the lock mechanisms described.

The handle when occupying a position, as shown in Figure 2, will have all the advantages of a conventional type of handle and when moved into the position shown in Figure 3, lying within the guard, it will prevent the lock mechanism from being operated by its key and also the handle due to the construction of the guard will prevent a person from obtaining a grip thereon so that when the satchel is left with a group of other satchels, it will be necessary for the owner to release the handle 5 to assume the position shown in Figure 2 before the satchel may be lifted or carried. This will prevent other persons from unintentionally picking up and carrying away a satchel belonging to someone else.

Should it be desired not to lock the satchel but to have the handle confined and secured, as shown in Figure 3, the lock mechanism 2 may be actuated to unlatch the satchel by pressure placed on the handle to flex the latter into the dotted line position shown in Figure 3.

While I have shown and described a construction for rotating and locking the shaft 9, it will be understood that other types of locks may be employed.

Referring to my modified form of invention, as shown in Figures 7 to 13, inclusive, a guard 17 is secured to the satchel similar to the guard 3 and has a portion of the lock mechanism 2 confined therein. A semiflexible handle 18 is pivotally and slidably connected to the satchel adjacent one end of the guard 17, as shown at 19, while the opposite end of the handle is slidably received in a combined guide and lock casing 20 secured to the satchel adjacent the other end of the guard 17. Rollers 21 are carried by the last-named end of the handle and operate in the combined guide and lock casing 20 and the handle adjacent said rollers are provided with a shoulder 22 to engage with a lock mechanism 23 carried by the combined guide and lock casing 20 for the purpose of securing the handle 18 in the position shown in Figure 9, that is, lying within the guard 17 to protect the lock mechanism 2 of the satchel against actuation or from being picked and also positioning itself so that it cannot be gripped by a person.

Having described the invention, I claim:

1. A hand grip for luggage comprising a channeled guard providing a protector for a lock mechanism of luggage, a semiflexible handle movable relative to the guard for opening and closing the latter, link-type hinges between the guard and the handle, shoulders on said handle, a rotatably mounted shaft located adjacent the guard and supported by and confined in the luggage, fingers on said shaft to be engaged and disengaged with the luggage, and a lock mechanism for securing the shaft against rotation and for releasing the shaft and imparting rotation to the shaft.

2. A hand grip for luggage comprising a guard providing a protector for a lock mechanism of luggage, a semiflexible handle movable to close and open the guard, and when closing said guard adapted to prevent actuation of the lock mechanism by a key, means for hingedly supporting one end of the handle, means for slidably supporting the other end of the handle, and a lock mechanism carried by the last-named means for securing the handle in a position to close the protector.

3. A hand grip for luggage comprising a guard forming a protector for an accessible lock mechanism of luggage, a handle for the luggage movable to close and open the guard, and means for locking the handle in the position of closing the guard whereby access to the lock mechanism is prevented and the handle prevented from being grasped.

4. A hand grip for luggage comprising a guard forming a protector for an accessible lock mechanism of luggage, a semi-flexible handle for the luggage movable to close and open the guard, and means for locking the handle in the position of closing the guard whereby access to the lock mechanism is prevented and the handle prevented from being grasped, said handle being capable of flexation when positioned to close the guard for the purpose of actuating the lock mechanism by pressure when the latter is left unlocked and employed as a latch.

5. A hand grip for luggage comprising a channeled guard forming a protector for an accessible lock mechanism of luggage, a handle hinged to the guard and movable to close and open said guard, and means for locking the handle in the position of closing the guard whereby access to the lock mechanism is prevented and the handle prevented from being grasped.

6. A hand grip for luggage comprising a channeled guard forming a protector for an accessible lock mechanism of luggage, a semi-flexible handle movable relative to the guard for opening and closing the latter, link type hinges between the guard and the handle, and means for locking the handle in the position of closing the guard whereby access to the lock mechanism is prevented and the handle prevented from being grasped.

FRANK W. MABRY.