O. M. OTTE.

REMOVABLE SUNKEN HANDLE.

APPLICATION FILED DEC. 17, 1917.

1,304,700. Patented May 27, 1919.

Fig. 1.

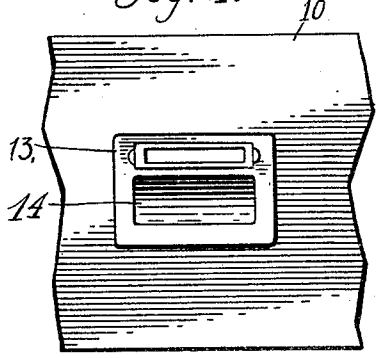


Fig. 2.

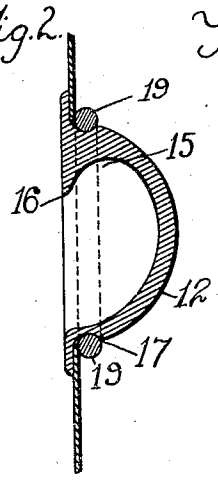


Fig. 3.

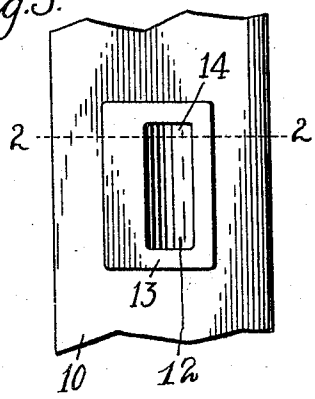


Fig. 4.

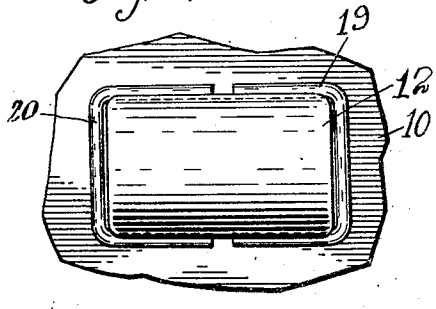


Fig. 5.

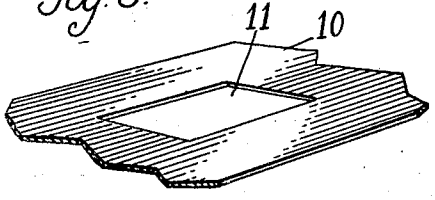


Fig. 6.

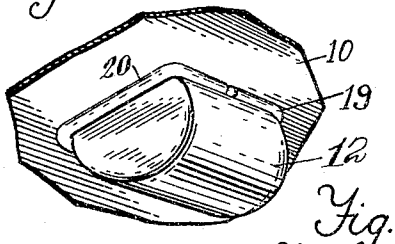


Fig. 7.

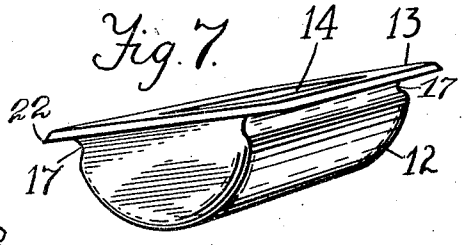
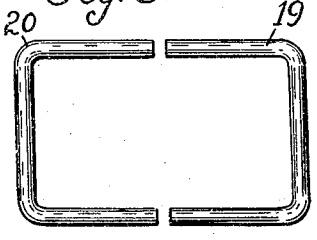


Fig. 8.



Witness

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UNITED STATES PATENT OFFICE.

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REMOVABLE SUNKEN HANDLE.

1,304,700. Specification of Letters Patent. Patented May 27, 1919.

Application filed December 17, 1917. Serial No. 207,433.

To all whom it may concern:

Be it known that I, OTHO M. OTTE, a citizen of the United States, residing at the city of Jamestown, in the county of Chautauqua and State of New York, have invented certain new and useful Improvements in Removable Sunken Handles, of which the following, taken in connection with the accompanying drawings, is a specification.

The invention relates to removable sunken handles, and the object of the improvement is to provide a sunken handle which can be attached or detached as desired, the only requisite being an opening in the front of the drawer or door or other part to which the handle is attached having an opening into which the sunken portion of the handle fits, said sunken portion of the handle being provided with a groove around the same adjacent the wall of said opening for receiving a pair of spring locking keys which hold the handle firmly in position upon the front around the opening through which the sunken portion is inserted; and the invention consists in the novel features and combinations hereinafter set forth and claimed.

In the drawings, Figure 1 is a front elevation of the sunken handle as applied to a drawer; Fig. 2 is a sectional view at line 2—2 in Fig. 3 showing the construction and arrangement of the handle as inserted in a drawer or door front. Fig. 3 is a front elevation of the stile of a door showing the sunken handle as attached to said door. Fig. 4 is an elevation of the rear side of the sunken handle as applied to the drawer or door construction showing the spring locking keys attached to the rear portion of said sunken handle. Fig. 5 is a perspective view of the sheet metal plate showing the opening into which the sunken portion of the sheet metal handle is inserted for fastening thereto. Fig. 6 is a perspective view of said handle sunken portion and a portion of a drawer or door showing the spring locking keys in position thereon; Fig. 7 is a perspective view of the handle. Fig. 8 is an elevation of the locking keys.

Like characters of reference refer to corresponding parts in the several views.

The numeral 10 designates the front of a drawer or door or similar article to which it is desired to attach the sunken handle, said front 10 having an opening 11 therein which fits the sunken handle rear portion 12 so that said rear portion 12 may be inserted within the front 10. Said front 10 is shown as made of sheet metal but may be made of other materials.

The sunken handle comprises a metallic piece 13 having a cup shaped opening 14 therein, said sunken cup-shaped opening 14 having an enlargement 15 at one side where room is desired to engage and draw upon the same by the fingers. The size of the cup shaped opening 14 is sufficient so that the hands or the tips of the fingers may be easily inserted into said opening and the downward projection of the lip portion 16 along the side of the opening 14 adjacent the enlargement 15 forms a convenient grip for the finger tips so that the handle 13 forms a strong pull or handle for opening a drawer, door or similar article.

The rear portion 12, as hereinbefore stated, fits the opening 11 in the sheet metal front 10, and the groove 17 is provided around the portion 12 adjacent the rear wall of the front 10 to receive therein a pair of spring locking keys 19 and 20. These locking keys are positioned by slipping same over the respective ends of the handle portion 12 and into the grooves 17 as depicted in Figs. 2, 4 and 6 of the drawings.

The sunken handle 13 is provided with an outwardly projecting flange 22 which extends over the face of the front 10 around the opening 11 and may be ornamented in different designs as desired, or may extend above the opening 14, as shown in Fig. 1, and have an opening therein for a filing or place card if desired.

I claim as new:—

1. In combination with a plate having an opening, a handle having a flange abutting the front of the plate and having a sunken part extending through and beyond the rear of the plate, said part having a pair of oppositely disposed substantially parallel grooves and substantially parallel plain faced ends, and a pair of substantially U shaped spring members each having a pair of side legs engaged in said respective grooves and with the rear face of the plate and an end leg connecting the side legs and extending across an end of said sunken part.

2. In combination with a plate having an

opening, a handle having a flange abutting the front of the plate and having a sunken part extending through and beyond the rear of the plate, said part having a pair of oppositely disposed substantially parallel grooves, and a pair of substantially U-shaped spring rods having their side legs engaging in the respective parallel grooves and their end legs extending across the respective ends of the sunken part.

In testimony whereof I have affixed my signature in the presence of two witnesses.

OTHO M. OTTE.

Witnesses:
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I. E. NORDSTROM.

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