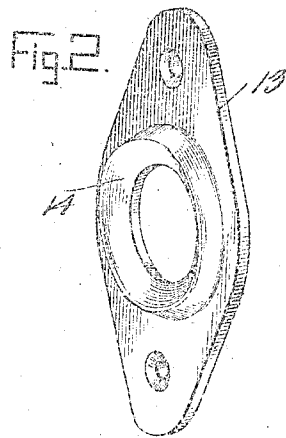
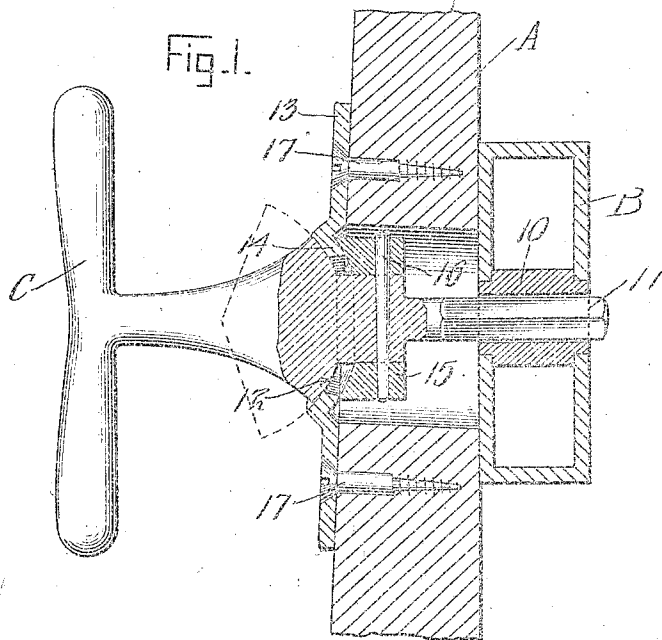


A. L. NELSON.
HANDLE FOR AUTOMOBILE DOORS.
APPLICATION FILED MAY 21, 1920.

1,357,892.

Patented Nov. 2, 1920.



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UNITED STATES PATENT OFFICE.

ADOLPH L. NELSON, OF INDIANAPOLIS, INDIANA.

HANDLE FOR AUTOMOBILE-DOORS.

1.357,892.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ADOLPH L. NELSON, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Handles for Automobile-Doors, of which the following is a specification.

In the fitting of latches to automobile doors considerable work and time and consequent expense is ordinarily required, due to variations in the angle or form of the exterior face of the door, requiring the face-plate supporting the knob or latch to be adjusted to fit the door surface properly in order that the shank of the operating knob may aline and be in position to properly operate with the connecting parts of the latch.

The object of my said invention is to provide a handle or knob attachment for operating latches of automobile doors, and other doors where similar conditions exist wherein this difficulty is overcome and the parts may be readily fitted without previous adjustment, thus saving considerable time, labor and expense in this work, all as will be hereinafter more fully described and claimed.

Referring to the accompanying drawing, which is made a part hereof, and on which similar reference characters indicate similar parts,

Figure 1 is a view in section through a portion of an automobile door where the knob is applied, showing the parts to which my said invention relates in central section, and

Fig. 2 a view in perspective showing the face-plate.

In said drawings the portions marked A represent the automobile door, B the latch casing and C the handle or knob for operating the latch.

The door A is of any approved form or design and requires no special description. The latch casing B is likewise of any approved form, having a latch-part 10 mounted therein for operating in the usual or any approved manner.

The knob or handle C is likewise in the main of any approved design having a shank 11 engaging with the latch-part 10 for operating the same. Said shank 11 is rectangular in cross section and engages a

similarly formed aperture in said latch-part 10.

At a point where the shank or hub of the handle C engages with the face-plate it is formed enlarged and has a spherically shaped face 12 surrounding the shank. The face-plate 13 is secured to the face of the door A and has a flange 14 with a concave face formed to correspond and fit said spherical face 12 and also to fit within the groove formed by said face and a collar 15, which is formed with a complementary face and secured to the shank by a pin 16.

The engagement thus formed between the shank of the handle C and face plate 13 is, in effect, a ball-and-socket joint said handle being permitted a universal movement in relation to the face-plate and allowed to turn freely for operating the latch in any position or angular alinement allowed by said parts and the engagement of shank 11 with the aperture in latch-part 10.

By reason of this arrangement, when assembling, the parts the face-plate 13 and handle C are assembled by placing the face-plate 13 in position against face 12 and securing it by the collar 15 and pin 16. The plate is then placed in position on the door and secured by screws 17 without any other adjustment, the shank 11 extending through the aperture in latch part 10, thus enabling the workman to fit and assemble these parts with great rapidity, effecting a material saving in the time, labor and expense heretofore required to do this work. The arrangement likewise insures a free and easy operation between said parts at all times.

Having thus fully described my said invention what I claim as new and desire to secure by Letters Patent is:

1. A knob or latch for automobile doors etc., comprising a handle having a spherically-shaped face, a collar mounted on the handle and provided with a face complementary to that of the handle but spaced therefrom, a face plate secured to the door and provided with a flange proportioned to fit closely within the space formed between the handle and the collar and to permit universal movement of the knob.

2. A knob or latch for automobile doors comprising, a shank, a face-plate engaging the face of the door, said knob being formed with a groove and said face-plate with a

flange engaging therewith, whereby a universal adjustment is provided within the said parts substantially as set forth.

3. A knob or latch for automobile doors, etc., comprising a handle formed with a spherically-shaped face extending from and completely surrounding the base of a rounded shoulder formed integrally with the handle and extending away from the same, a collar mounted on the rounded shoulder and provided with a face complementary to that of the handle but spaced therefrom, a face plate secured to the door and provided with an upstanding flange

proportioned to fit closely within the space formed between the handle and the collar permitting universal movement of the knob, and a shank extending from the said rounded shoulder adapted to engage and operate the latch mechanism.

In witness whereof I have hereunto set my hand and seal at Indianapolis, Indiana, this 18th day of April, A. D. nineteen hundred and twenty.

ADOLPH L. NELSON. [L. S.]

Witnesses:

WILLIAM N. MOORE,
E. F. BUCKLEY.