

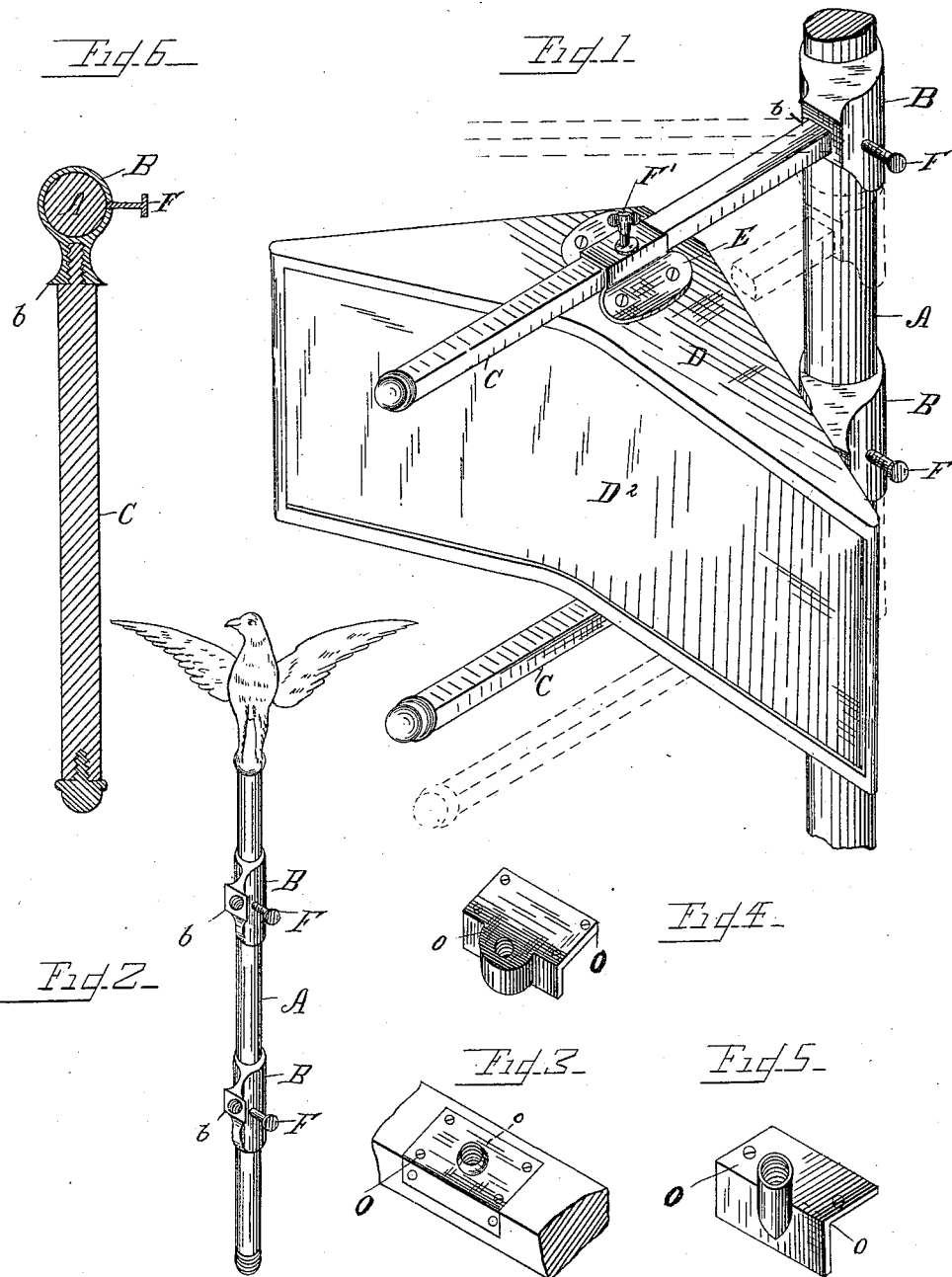
(No Model.)

J. C. FORSBERG.

STREET REFLECTOR.

No. 343,237.

Patented June 8, 1886.



Witnesses

E. A. Paulschmitt

W. J. Johnston

Inventor

John C. Forsberg
Edw. Underwood
Attorney

By

UNITED STATES PATENT OFFICE.

JOHN C. FORSBERG, OF WILLMAR, MINNESOTA.

STREET-REFLECTOR.

SPECIFICATION forming part of Letters Patent No. 343,237, dated June 8, 1886.

Application filed March 13, 1886. Serial No. 195,140. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. FORSBERG, a naturalized citizen of the United States, residing at Willmar, in the county of Kandiyohi and State of Minnesota, have invented certain new and useful Improvements in Street-Reflectors; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to improvements in window-mirrors, which may be attached to the window-sills or sash-rails in various ways, the purpose thereof being to reflect objects in the street so that they may be seen by persons within the room in which the mirror is placed. If placed upon railway-cars, the objects are reflected within the same; and with these ends in view the invention consists in the novel construction and arrangement of parts, as will be hereinafter more particularly described and specifically claimed.

In the accompanying drawings, to which reference is made, and which fully illustrate my invention, Figure 1 is a perspective view of my device with the usual standard attachment. Fig. 2 illustrates the standard and vertical slides. Figs. 3, 4, 5 are modified forms of the standard plate or rest. Fig. 6 is one of the arms C detached, to show the screw-threaded end which enters the boss on the thimble, and the thimble and its thumb-screw, all in section.

A represents a standard, which may be constructed of gas-pipe or any suitable material, to which is loosely secured two or more adjustable slides or thimbles, B, which have a vertical and lateral movement thereon. These slides and standard may be either of circular or square form, as preferred, and upon one side of each of the slides B is a hollow boxing or boss, *b*, made integral therewith, within which fit (being screwed in) one end each of two arms, C, one located above the other at a suitable distance, and between which is secured a reflector, D, by means of metallic brackets E upon the top and at the bottom of

the reflector, the thimbles or slides B upon the standard and the brackets E upon the arms both being provided with holes, through which pass thumb-screws F in the slides and F' in the brackets for adjusting the mirror vertically upon the standard, and also adjusting the arms C at any desired angle in a horizontal plane, and for adjusting the reflector upon the arms C at any desired distance from the standard. Thus it will be seen that the thumb-screw F performs the twofold function of adjusting and holding the slides vertically, and at the same time allows the arms of the reflector to be set at any angle or moved laterally. The standard A (shown in Figs. 1 and 2) is provided with a screw-thread at its foot, arranged to enter a suitable screw-plate, O, (shown in Fig. 3,) having a hole or step, *o*, in its center, and in Fig. 4 the step is shown at one side of the plates, and these plates are designed to be secured to the window-sill by wood-screws, the latter form being used when the standard would be brought too near the window by the use of the former.

Another form of construction of the sill-plate, presenting a right angle, (shown in Fig. 5,) is used in lieu of the plates above described when it becomes necessary to attach the reflector to store-fronts or car-windows or any other right-angled surface upon which the standard is mounted. These plates are all modifications of each other, as are all the different attachments of the reflector, according as it is to be adjusted to different bearings.

In the construction of the form of the device represented in Fig. 1, a rear view of the reflector is presented attached to the standard-slides—that is, it represents the face of the reflector which is next the street, and upon which a sign or the number of a house may be painted or otherwise inscribed. The arms C are usually made square to fit the brackets E, and have a rounded end provided with a screw-thread to engage with the openings *b* in the thimbles B. The reflector D is constructed with a metallic frame having a concave back, D², and two mirrors, D', in front, each set at an angle of about forty-five degrees to the room or post of observation, and by the lateral, vertical, and forward and backward movements obtained through the medium of

the thimbles B and brackets E; any desired angle of observation may be attained.

I am aware of the patent to Kennedy, No. 165,738, dated July 20, 1875, and desire to dis-
claim the construction and specific devices
therein described and claimed.

Having thus described my invention, what I claim is—

1. The combination of the reflector, constructed as described, with the thimbles provided with bosses each having an opening with a female screw-thread to receive the screw-threaded end of the arm, and also having thumb-screws to regulate the position of the thimbles on the standards, the arms by which the reflector is moved from or toward the window, the standard, and the sill-plate, all substantially as shown and described.

2. The reflector having a metallic frame with concave back and two mirrors set each at an

angle of forty-five degrees, the frame having brackets at top and bottom provided with thumb-screws, in combination with the arms C, and the thimbles having boss and thumb-screw, the standard having a screw-thread at its foot, and the sill-plate, all substantially as shown and described.

3. In a window-mirror, the combination of the reflector D, having guides or brackets at top and bottom, the arms C, having screw-threaded ends to enter and engage with the bosses b, the thimbles B, provided with thumb-screw F, and the standards A, all as shown and described.

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

JOHN C. FORSBERG.

Witnesses:

J. W. LANDQUIST,
ALFRED LANDQUIST.