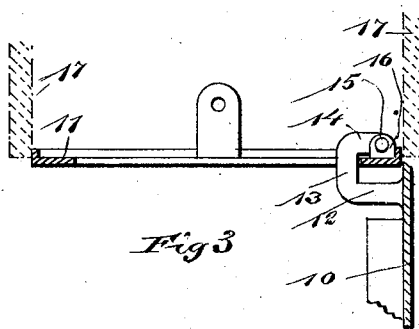
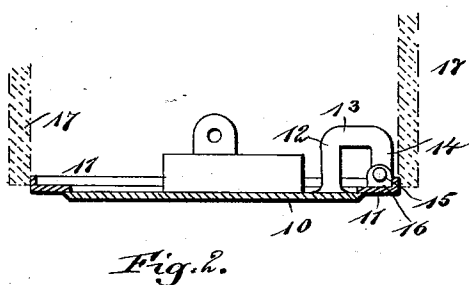
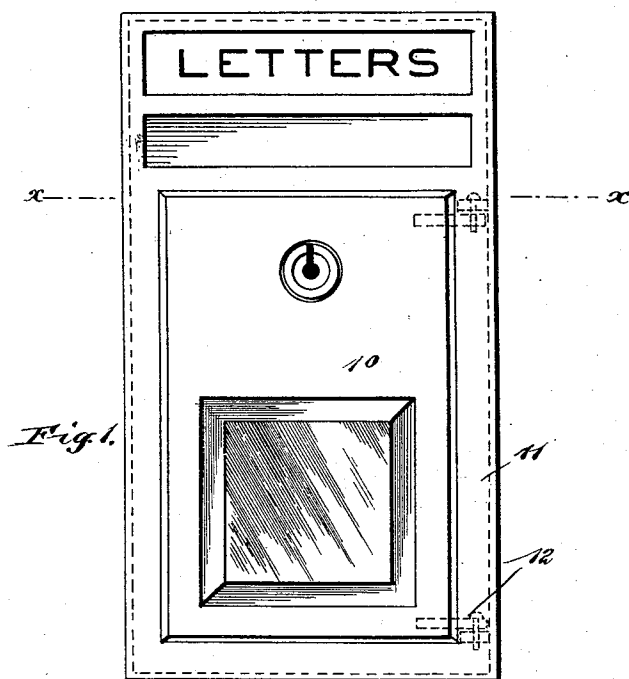


(No Model.)

W. H. SHEFFIELD.
LETTER BOX.

No. 477,964.

Patented June 28, 1892.



WITNESSES:

H. Walker
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM H. SHEFFIELD, OF BROOKLYN, NEW YORK.

LETTER-BOX.

SPECIFICATION forming part of Letters Patent No. 477,964, dated June 28, 1892.

Application filed April 22, 1892. Serial No. 430,227. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. SHEFFIELD, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Letter-Box Hinge, of which the following is a full, clear, and exact description.

My invention relates to improvements in hinges for letter-boxes such as are placed side by side and are usually packed into a small space.

The object of my invention is to produce a hinge by means of which the door of the letter-box may be hung from the inside, so that the door may be very nicely finished without exposing the hinge, and also to construct the hinge in such a way that it will not strike the side partition of the box, which partition comes necessarily very near to the door.

A further object of the invention is to construct the hinge in such a way that it will be very strong and will act as a brace when the door is open.

To this end my invention consists in a letter-box hinge, the construction of which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a front elevation of the letter-box provided with my improved hinge. Fig. 2 is a sectional plan on the line *xx* in Fig. 1, showing the door closed. Fig. 3 is a similar section showing the door open.

The door 10 is hinged to the frame or front 11 of the letter-box, and the door is provided near one edge and preferably at the top and bottom with a hinge-arm 12, which is formed integral with the door and which extends inward at a right angle to the door, is then bent at a right angle, as shown at 13, and then again at a right angle, as shown at 14, the

end of the part 14 being held by a pivot-pin 15 to a lug 16 on the door-frame. It will be seen then that the whole arm 12, including its bends, forms a U-shaped hinged arm, and the corners of the arm are preferably rounded so that it will move easily past any obstruction. The inner sides of the arm are made perfectly straight, and consequently when the door is open, as shown in Fig. 3, the part 14 will strike the door-frame 11, thus limiting the outward swinging of the door and serving as a brace to prevent the door from being twisted off its hinges.

In letter-boxes of this kind the partitions 17 always come very close to the hinge, and this construction enables the door to be closed without bringing the hinge-arm into contact with the partition. In order for the above results to be obtained it is necessary that the parts 12 and 14 of the arm be substantially parallel.

I am aware that it is not new to attach a curved hinge-arm to a door and hang the door from the inner side, and I do not claim such a hinge, broadly, as my invention; but the peculiar form of hinge shown is especially applicable to letter-boxes and enables the letter-box to be nicely finished and strongly made, both these results being obtained at slight expense.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with the letter-box and the door, of the U-shaped arm formed integral with the door and having its inner end pivoted to the box, substantially as described.

WILLIAM H. SHEFFIELD.

Witnesses:

JOHN B. PECK,
JAMES E. MURRAY.