July 17, 1923.

A. L. PIERCE

1,462,124

CUT-OUT BOX

Filed April 16, 1920

Fig. 1.

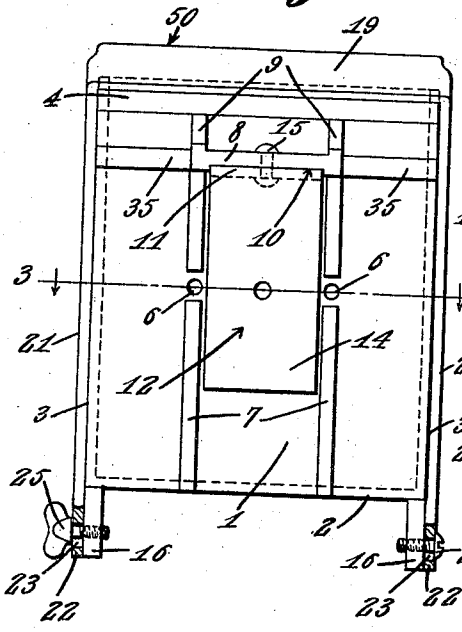


Fig. 2.

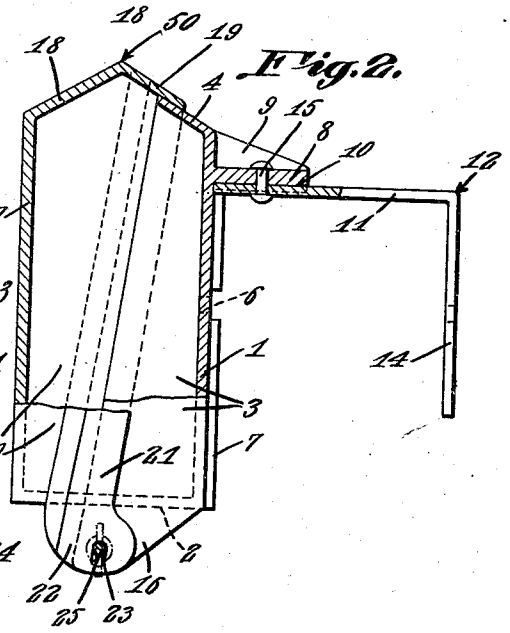
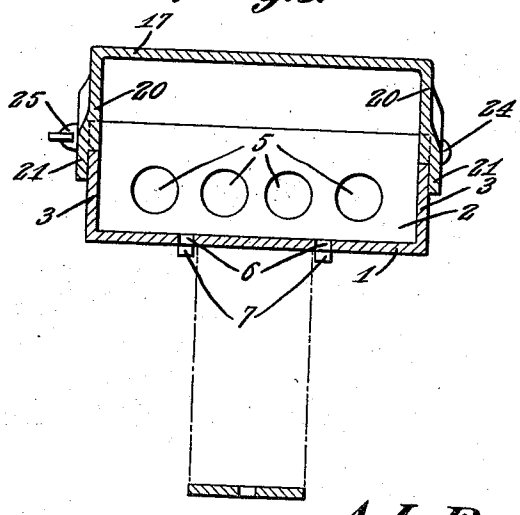


Fig. 3.



A. L. Pierce, Inventor

Witness

By Cashow & Co.

Attorneys

Patented July 17, 1923. 1,462,124

UNITED STATES PATENT OFFICE.

ALFRED LAWRENCE PIERCE, OF WALLINGFORD, CONNECTICUT.

CUT-OUT BOX.

Application filed April 16, 1920. Serial No. 374,409.

To all whom it may concern:

Be it known that I, ALFRED L. PIERCE, a citizen of the United States, residing at Wallingford, in the county of New Haven and State of Connecticut, have invented a new and useful Cut-Out Box, of which the following is a specification.

It is the object of this invention to provide a cut out box having novel means whereby the box will be prevented from opening, another object of the invention being to provide novel means whereby the box may be suspended from a cross arm or other object.

It is within the province of the disclosure to improve generally and to enhance the utility of devices of that type to which the invention appertains.

With the above and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that, within the scope of what is claimed, changes in the precise embodiment of the invention shown can be made without departing from the spirit of the invention.

In the accompanying drawings:—

Figure 1 shows in rear elevation, a cut out box constructed in accordance with the invention, parts appearing in section; Figure 2 is a side elevation wherein parts are broken away; and Figure 3 is a cross section on the line 3—3 of Figure 1.

The cut out box hereinafter claimed comprises a back including a rear wall 1, a bottom 2, side walls 3 and a rearwardly slanting top 4. The bottom 2 is provided with openings 5 for the passage of conductors and there are openings 6 in the rear wall 1 adapted to receive screws or the like whereby the cut out mechanism is held within the box. The rear wall 1 is supplied with longitudinal reinforcing ribs 7 which are interrupted at the points where the openings 6 are fashioned in the rear wall 1. A table 8 projects rearwardly from the wall 1 and is reinforced by wings 9 formed integrally with the table and with the rear wall, transverse ribs 33 extending between the table 8 and the outer lateral edges of the wall 1. In the lower surface of the table 8, a groove 10 is fashioned, the groove being adapted to receive one arm 11 of an angle bracket 12 including a depending arm 14, the numeral 15 marking a securing element whereby the arm 11 of the angle bracket is connected with the table 8. The bottom 2 of the back of the box is supplied with depending ears 16.

The front of the box includes a forward wall 17 and a top 50, the top including oppositely slanting portions 18 and 19. The front portion of the box comprises side walls 20 having flanges 21 receiving the forward edges of the side walls 3 of the back portion of the box. The side walls 20 of the front are continued downwardly to form ears 22, overlapped on the ears 16, the ears 22 having elongated slots 23 wherein are mounted pivot elements 24 and 25, the pivot elements being carried by the ears 16. One of the pivot elements (25) may be in the form of a clamp screw, if desired.

It it to be observed that owing to the presence of the slots 23, the front of the box may be raised, so as to permit the rearwardly slanting portion 19 of the top 50 to overlap the rearwardly slanting top 4 of the back of the box. When the parts are thus arranged, as shown in Figure 2, the front of the box cannot swing downwardly and outwardly until the front has been raised sufficiently to permit the part 19 to clear the forward edge of the part 4. When the members of the box are in closed position as shown in Figure 2, the front of the box tends to move rearwardly, as it slides downwardly, thus passing the side walls 3, at their forward edges, against the side walls 20, within the contour of the flanges 21. If desired, the pivot element 25 may be tightened up, to form a positive clamp between the front and the back of the box, thereby preventing the front from being lifted, to disengage the part 19 from the part 4.

Having thus described the invention, what is claimed is:—

In a cut out box, a back comprising a rear wall, a bottom, sides and a downwardly and rearwardly inclined top; and a front comprising a forward wall, a bottom, sides, and a top including a downwardly and rearwardly inclined portion, and pivot means connecting the lower portion of the back with the lower portion of the front, the sides of the front being overlapped on the sides of the back, and said portion of the top of the front being overlapped on the outer surface of the top of the back, the downward and rearward inclination of the

top of the back, and the downward and rearward inclination of said portion of the top of the front serving to prevent the front from swinging downwardly to an open position on the pivot means, the pivot means embodying a lost motion connection, whereby the front may be raised, thereby to permit said portion of the top of the front to be disengaged from the top of the back, and to permit the front to be swung to an open position.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ALFRED LAWRENCE PIERCE.

Witnesses:

WM. A. MACKENZIE,

C. STORRS HALL.