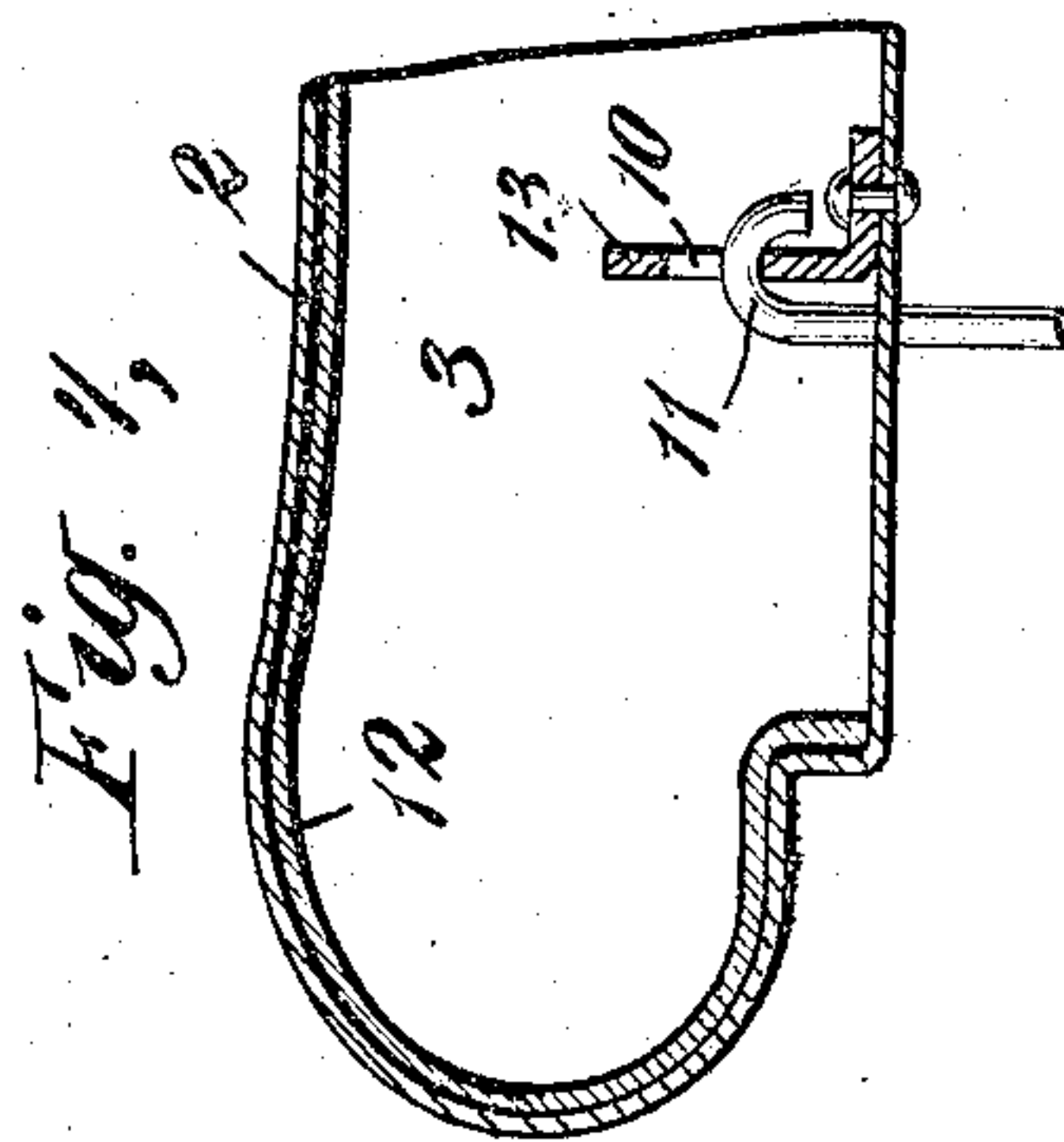
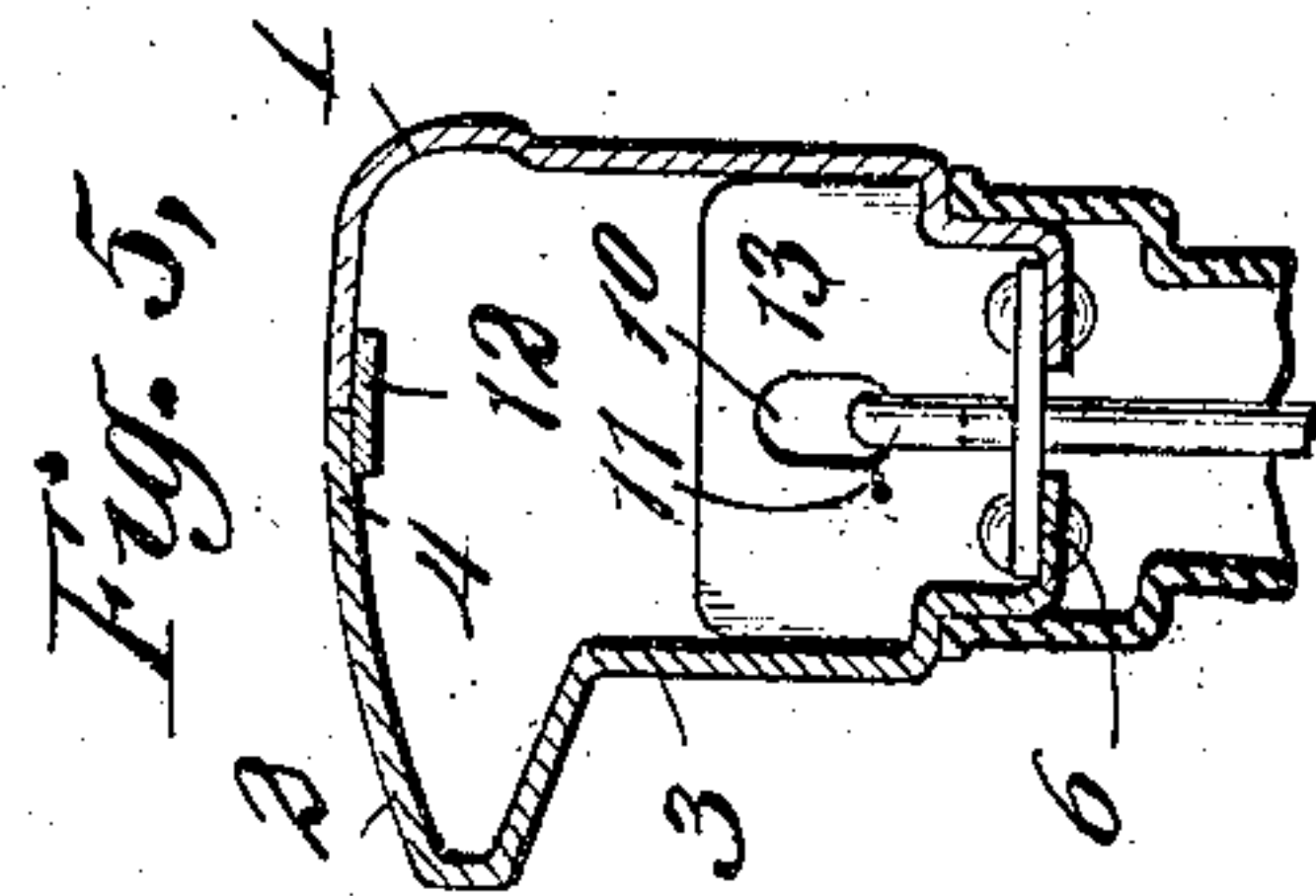
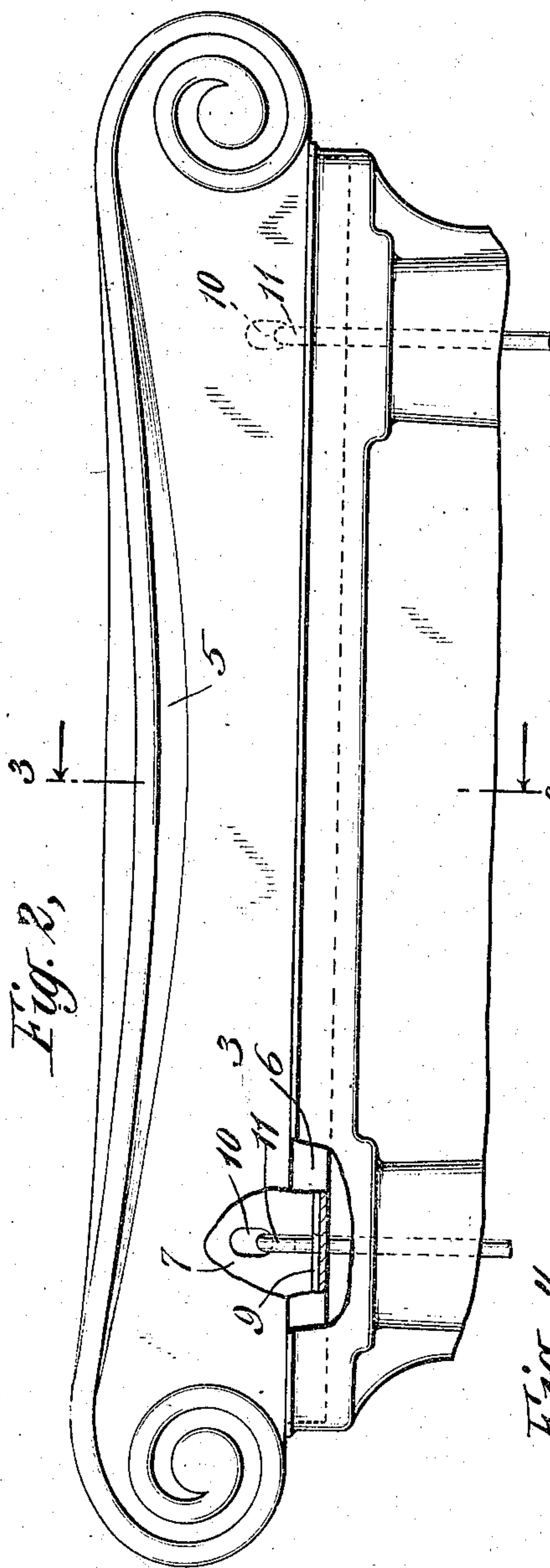
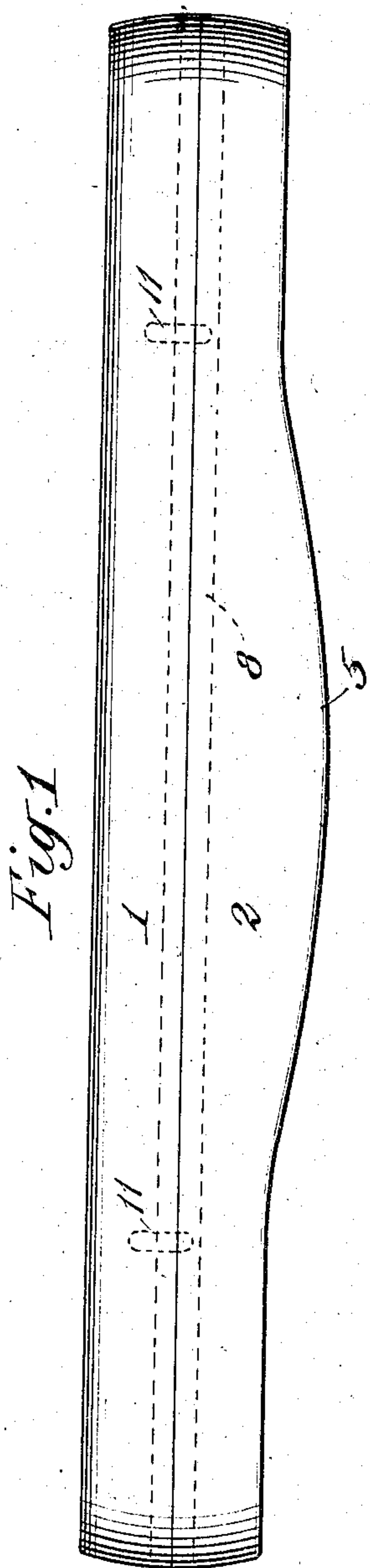


900,703.

E. G. BUDD.
ARM REST.

APPLICATION FILED SEPT. 6, 1906.

Patented Oct. 13, 1908.



WITNESSES:

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EDWARD G. BUDD, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO HALE-KILBURN METAL COMPANY, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

ARM-REST.

No. 900,703.

Specification of Letters Patent.

Patented Oct. 13, 1903.

Application filed September 6, 1903. Serial No. 333,450.

To all whom it may concern:

Be it known that I, EDWARD G. BUDD, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Arm-Rests, of which the following is a specification.

This invention concerns arm-rests for seating and is of particular utility in arm-rests for seats of the type used in railway cars.

The object of the invention is to provide an arm-rest made of metal and which is therefore fireproof, and further, to so construct the arm-rest that it possesses ample strength, can be manufactured at small cost, is of attractive design and can be readily secured in position upon a seat-end.

I have illustrated an embodiment of my invention in the accompanying drawings, in which

Figure 1 is a top view of the arm-rest, Fig. 2 is an elevation of the same, Fig. 3 is a transverse section on line 3—3 of Fig. 2, Fig. 4 is a section of a modified form of the arm-rest, and Fig. 5 is a section of the arm-rest shown in Fig. 4 on a plane at a right angle to that of the section of Fig. 4.

Referring to the drawings, the arm-rest is made wholly of metal and comprises two sheet-metal parts, each of which forms substantially half of the arm-rest, the division between the two parts being in a vertical plane longitudinally of the arm-rest. The two parts are indicated by the numerals 1 and 2; each consists of a piece of sheet-metal which when cut to the proper dimensions is pressed to the desired form. This form is preferably such as to provide in each a body-portion 3 and an inwardly extending flange 4 around this body-portion, the flange being curved longitudinally at the top of each part to provide a concave curvature for the upper surface of the arm-rest. The body-portion 3 of one or both of the pieces may, in the pressing operation, have beads or scrolls formed therein as shown in the drawing, to make the arm-rest of more attractive appearance. Also, one of the parts, the outer one in the completed arm-rest, may be provided with an outwardly extending overhanging portion 5, as shown, to give greater breadth at the center. The distance between the flanges on the upper and lower edge of each

of the two parts is the same and therefore, when the two parts are brought together, the edges of these two flanges abut. The two parts 1 and 2 are preferably so formed that when they are brought together with their edges abutting, a tongue 6 is provided on the bottom of the arm-rest which is of slightly less width than the body-portion, as shown in Fig. 3.

In securing the two parts 1 and 2 together, I provide a central partition 7, also of sheet-metal and consisting of a flat body-portion and integral flanges 8 and 9 at the upper and lower edges thereof, respectively. The shape of the body-portion 7 is such that the flange 9 is straight but the flange 8 is curved in the direction of its length to correspond with the concave curvature of the upper surface of the arm-rest. In the partition 7 near the ends thereof are two openings 10 and directly below them, openings are formed in the bottom of the arm-rest for a purpose hereinafter mentioned. In assembling the arm-rest, the parts 1 and 2 are brought together so that their edges abut with the partition 7 lying within them in such a position that the flanges 8 and 9 directly underlie the joints between the abutting edges. The parts may fit together so tightly that additional securing means is unnecessary but I prefer to firmly unite the abutting edges and the flanges of the partition, as by soldering, brazing or welding. The arm-rest, thus constructed, can be manufactured at small cost and is of ample strength; the abutting edges of the two parts 1 and 2 may be sharply cut so that when brought together, the seam will hardly be noticeable but I prefer to fill this seam with spelter, since concealing the seam in this way together with the design raised upon the outer side makes the arm-rest of attractive appearance. In most cases, the arm rest will be mounted on a metallic seat-end consisting of two-sheet-metal plates 14, secured together with open space between them. To facilitate mounting the arm-rest on such a seat-end, the tongue 6 is made of such width that it will fit tightly in the upper open end thereof and hooks 11, having curved ends, extend up through the seat-end, the openings in the bottom of the arm-rest and the openings in the partitions 7. For holding the arm-rest firmly in position, the lower ends of these hooks may be threaded and

nuts may be provided thereon for drawing the hooks downward a distance limited by the length of the tongue 8.

In Figs. 4 and 5, I have illustrated a modification of my invention in which, instead of employing a central longitudinal partition having flanges thereon which underlie the joint between the two parts of the arm-rest, a sheet-metal strip 12 is provided for this purpose extending around under the joint at the top and ends of the arm-rest, as shown in Fig. 4, and the edges of the two parts are united to this strip as above described. For securing the arm-rest in position on the seat-end, two small, transverse partitions 13 are provided having openings therein to receive the hooks 11, and these partitions may be of such length that they serve as spacers for holding the sides of the arm-rest at the desired distance apart.

What I claim as new and desire to secure by Letters Patent of the United States is:—

1. An arm-rest consisting of two sheet-metal parts having abutting edges, each of said parts being pressed into form to provide a body-portion and an integral inwardly turned flange about said body-portion, a metallic strip underlying the abutting edges of said parts, and means securing said edges to said strip, substantially as described.

2. An arm-rest consisting of two sheet-metal parts having their edges abutting, a

metallic partition within said parts having an integral flange underlying said abutting edges, and means securing said edges to said flange, substantially as described.

3. An arm-rest consisting of two sheet-metal parts having their edges abutting, a metallic strip underlying said edges, means for securing said edges to said strip, a metallic partition mounted within said parts and a hook extending within said arm-rest and engaging said partition, substantially as described.

4. A hollow arm-rest formed of metal, a metallic partition secured in position within the arm-rest, and a member extending within the arm-rest and engaging said partition to secure the arm-rest in position, substantially as described.

5. An arm-rest consisting of two sheet-metal parts pressed into form and secured together at their edges, a metallic partition mounted within the arm-rest, and a member extending within the arm-rest and engaging said partition to secure the arm-rest in position, substantially as described.

This specification signed and witnessed this 1st day of September, 1909.

EDWARD G. BUDN.

Witnesses:

M. Gatz,

R. M. Fairs.