

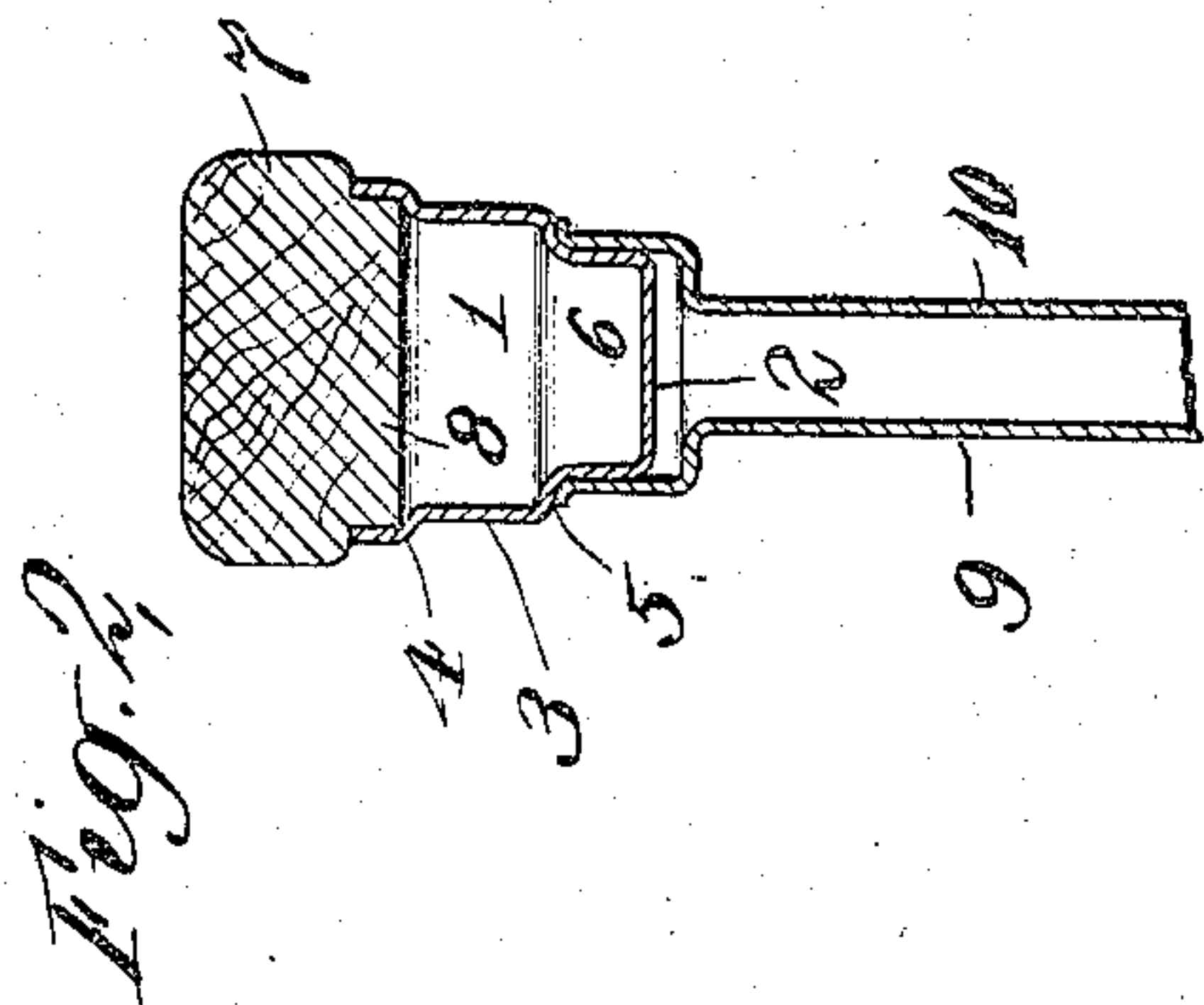
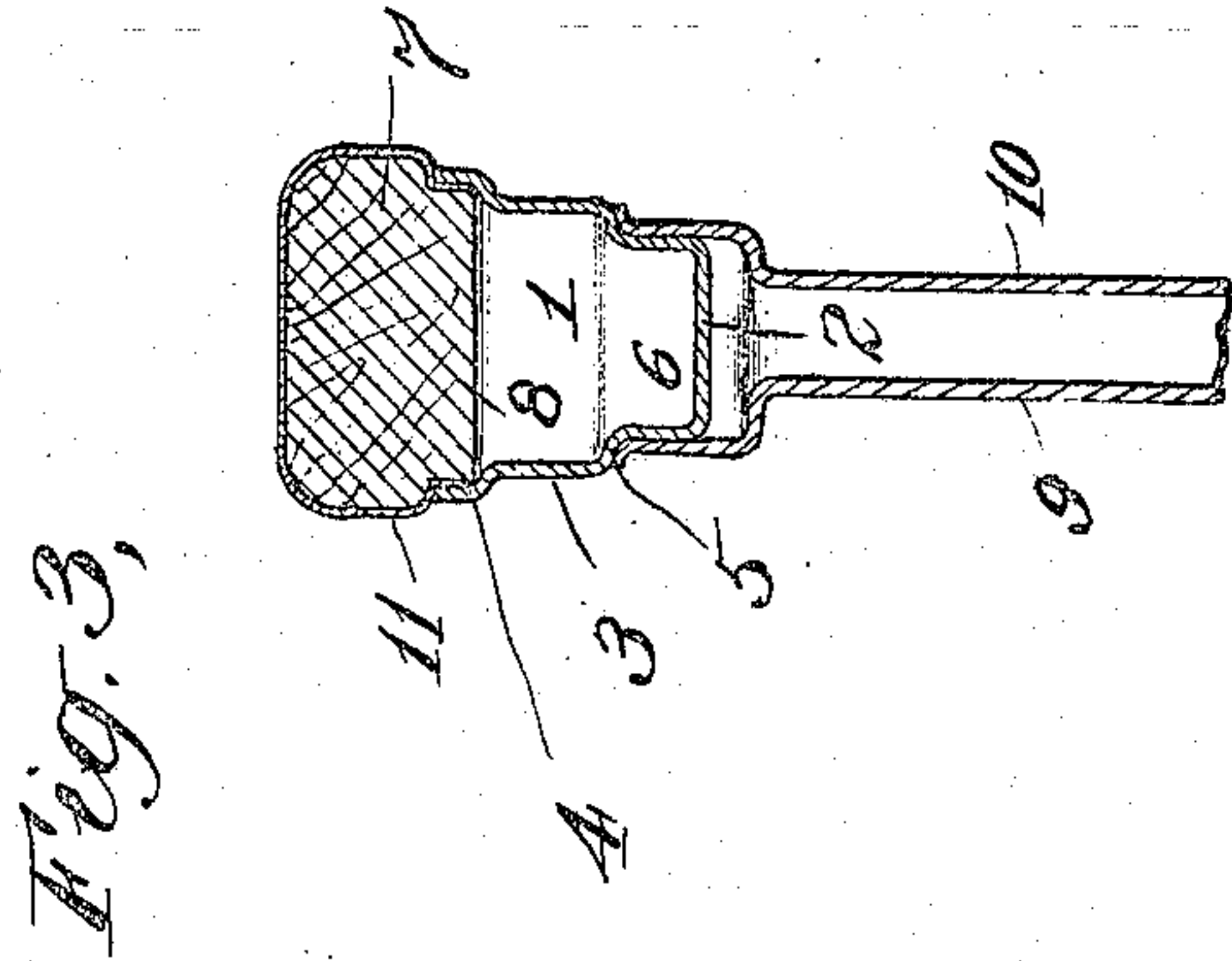
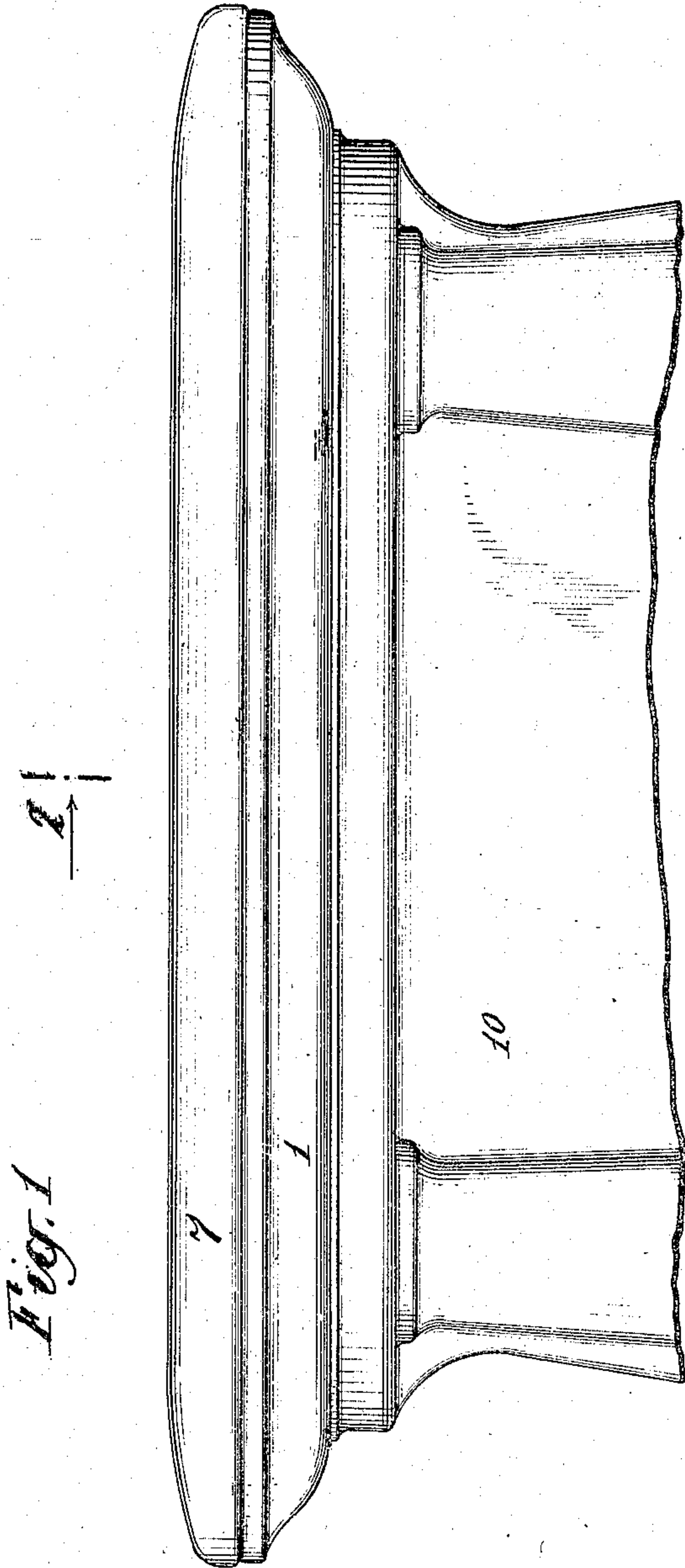
E. G. BUDD.

ARM REST.

APPLICATION FILED SEPT. 25, 1906.

900,704.

Patented Oct. 13, 1908.



WITNESSES:

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## UNITED STATES PATENT OFFICE.

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## ARM-REST.

No. 900,704.

Specification of Letters Patent.

Patented Oct. 13, 1908.

Application filed September 25, 1906. Serial No. 336,105.

*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 particularly for such seating as is commonly employed in railway cars. On account of the conditions under which these cars are operated, it has been considered highly desirable to make the parts thereof and of the seats used therein entirely of fireproof material.

The object of my invention is to provide a fireproof arm-rest for such seats which is simple and strong in construction and attractive in appearance and which can be manufactured at small cost.

In order to secure the desirable feature of incombustibility, the arm-rest may be made wholly of metal, but as the hand and arm of an occupant of the seat are rested upon the upper surface of the arm-rest and might become chilled thereby if it were of metal, I make the upper portion of the arm-rest of some material which, while being incombustible, is non-metallic. For this purpose, fiber or paper may be employed, but I prefer to use wood, this being impregnated with a fireproofing compound to make it incombustible.

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

Figure 1 is an elevation of the arm-rest, Fig. 2 is a section thereof on line 2—2 of Fig. 1, and Fig. 3 is a view similar to Fig. 2 illustrating a modification.

Referring to these drawings, the arm-rest is shown as consisting of two parts, an upper and a lower one, the former being made of a non-metallic, incombustible material and the latter of metal. The lower part 1 is made of sheet-metal which when cut to the proper dimensions is pressed into form to provide a closed bottom portion 2 and an integral upwardly-extending flange 3 about the edges thereof. The distance between opposite sides of the flange 3 is greatest at the top thereof so as to form a shoulder 4 and below this another shoulder 5 is formed, thus providing a tongue 6 at the bottom of the part. The upper part 7 is preferably of wood

and is impregnated with a fireproofing compound; it is of comparatively small thickness so that the fireproofing will be effectual. The upper surface of the part 7 is given the curvature desired for the upper surface of the completed arm-rest and its edges are rounded off. At its lower edges the material is cut away to provide a downwardly-extending tongue 8.

The two parts for the arm-rest, thus constructed, are assembled as shown in the drawing. The tongue 8 on the bottom of the part 7 is forced into the part 1 between the sides of the flange 3 until its lower edge rests upon the shoulder 4 and the upper edge of the flange engages the shoulder at the upper end of the tongue 8. The clamping action of the metal will be sufficient to hold the two parts together in this relation but, if desired, additional securing means may be provided. Such an arm-rest is usually employed with a metallic seat-end consisting of two sheet-metal plates pressed to the desired form and secured together with open space between them. These plates are shown at 9 and 10. The arm-rest is mounted thereon by forcing the tongue 6 down into the open upper end of the seat-end between the plates 9 and 10 a distance limited by the length of the tongue when the shoulder 5 will engage the upper edges of plates 9 and 10 and prevent further movement. The width of tongue 6 may be such relatively to the distance between plates 9 and 10 that the arm-rest will be held firmly in position on the seat-end without the employment of additional securing means, but such means may be provided if desired.

In Fig. 3, I have illustrated a slight modification of the arm-rest shown in Figs. 1 and 2, in which the part 7 of the arm-rest made of fireproofed wood is covered with a fabric 11. Any suitable fabric may be employed, such as canvas or plush impregnated with a fireproofing compound to make it incombustible. This covering is secured at its edges to the part 7, as by small tacks or cement.

Having now described my invention, what I claim as new therein and desire to secure by Letters Patent is as follows:—

1. An arm-rest comprising an upper part formed of non-metallic material and a lower part made of metal, said upper part having a tongue on the bottom thereof entering within the lower part, and the side walls of said

lower part having ribs therein with which the end of said tongue is adapted to coact, substantially as described.

2. An arm-rest comprising an upper part  
5 formed of wood impregnated with a fire-proofing compound and having a tongue on the bottom thereof, a lower part consisting of sheet-metal pressed to provide a bottom portion, a flange around said bottom portion  
10 forming the side and end walls of the arm-rest and two ribs in said flange forming shoulders, and means for securing said parts

together with said tongue on the upper part extending within the lower part, said bottom portion of the lower part being adapted to coact with a supporting structure, substantially as described. 15

This specification signed and witnessed this 21st day of Sept., 1906.

EDWARD G. BUDD.

Witnesses:

M. Gerz.

P. T. Tucker.