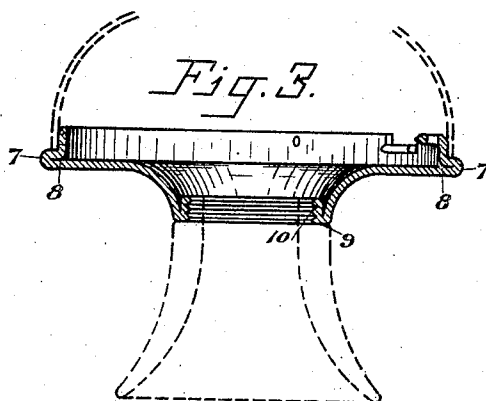
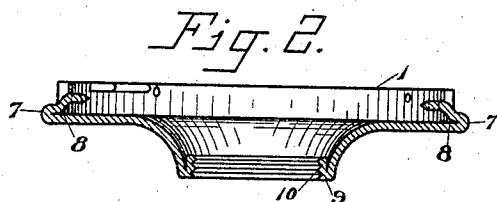
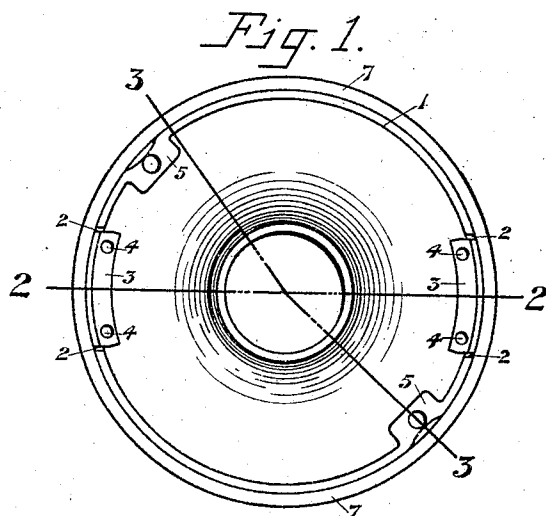


No. 847,449.

PATENTED MAR. 19, 1907.

A. H. WEISS.
TRANSMITTER FRONT.
APPLICATION FILED JAN. 2, 1907.



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TRANSMITTER-FRONT.

No. 847,449.

Specification of Letters Patent.

Patented March 19, 1907.

Application filed January 2, 1907. Serial No. 350,442.

To all whom it may concern:

Be it known that I, ALFRED H. WEISS, a citizen of the United States, residing in Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Transmitter-Fronts, of which the following is a specification.

My invention relates to transmitter-fronts of the character adapted to be pressed or drawn from sheet metal, and has for its object the provision of such a transmitter-front which shall be integral throughout and shall possess the necessary thickness in certain parts to be an economic and commercial device.

My object is to further produce a transmitter-front which shall require very little machine-work other than that which may be done by presses and machines of like character.

Heretofore it has been found necessary to build up transmitter-fronts by riveting or brazing the different parts together or to make heavy castings and then turn the fronts in a lathe to give them a finished appearance and obtain exact proportions. This work requires skilled labor, and in addition the joints and rivets are unsatisfactory and mar the appearance of the device. By my construction no joints, seams, or rivets are necessary, no skilled labor is required, and a more graceful and finished article is produced without sacrificing the strength and rigidity of a heavier construction.

My invention is illustrated in the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a rear elevation of the device. Fig. 2 is a section taken upon the line 2 2 of Fig. 1. Fig. 3 is a section taken from the line 3 3 of Fig. 1.

In carrying out my invention I form the sheet metal into the shape shown in the drawing, and thereby provide a transmitter-front having the supporting-rim 1, by which the front is held to the inclosing case in the usual manner. This rim is originally formed as a complete annulus and is thereafter sawed or cut at the points 2, and the lugs 3 are bent in, and thereby formed of a portion of the annulus. These lugs are for the support of the bridge, which is secured thereto

in the usual manner by screws passing through the bridge and into the holes 4 in the lug 3. The dampening-spring-supporting lugs 5 are formed of small ears, which are left upon the otherwise circular stock, and before being bent at right angles to the rim 1, as shown in the drawing, extend back in the plane of the rim portion. In order to form a shoulder 6 against which the transmitter-inclosing case will abut and at the same time to form a rigid reinforcement for the outer edge of the front, I fold the stock in such manner as to preferably leave the rounding portion 7 exposed and such that the stock laps back upon itself a short distance at 8 before being turned back to form the rim 1.

The necessary width of shoulder for the mouthpiece-abutment at 9 and a sufficient thickness of stock for deep threads 10 are provided by folding the plate back upon itself for a short distance within the mouthpiece-opening. This arrangement permits the use of thin plate metal for the transmitter-front and gives stiffness and rigidity to the front, which otherwise would be distorted by rough handling when made of quite thin metal.

While this invention is shown and described with respect to certain details, it is to be understood that I do not wish to be unduly limited thereto, certain modifications of the disclosure being possible without departing from the spirit or scope of this invention.

Having thus described my invention, what I claim is—

1. A transmitter-front having an integral fold forming a double portion, threads upon the inner part of said portion for securing the mouthpiece and a shoulder formed by the folds of the double portion against which the mouthpiece abuts, substantially as described.

2. A transmitter-front having an integral supporting-rim, supporting-lugs formed thereof in combination with a doubled portion forming the threaded ring for securing the mouthpiece, substantially as described.

3. A transmitter-front having a supporting-rim, integral dampening-spring supports formed thereon and integral bridge-supports formed of an inwardly-bent portion of the rim, substantially as described.

4. A transmitter-front having a rim portion adapted to extend within the transmitter-inclosing shell, integral dampening-spring-supporting lugs upon the rim portion in combination with a doubled portion forming the securing-ring for the mouthpiece and the shoulder against which the mouthpiece abuts, substantially as described.

5. A transmitter-front having an inwardly-doubled portion, the outside of the fold of the doubled portion forming the shoulder against which the inclosing shell abuts and the rearwardly-extended part of the folded portion forming a rim for securing the front to the shell, substantially as described.

6. A transmitter-front having a folded portion, means for securing the mouthpiece thereto, and a shoulder formed by said folded portion against which the mouthpiece abuts, substantially as described.

7. A transmitter-front provided with a central opening, an annular folded portion of said front forming a reinforcement about the opening, and means to secure the mouthpiece thereto, substantially as described.

8. A transmitter-front having an annular folded portion thereof reinforcing its periphery, and a rim for securing the front to the inclosing shell, said rim being formed of the rearwardly-turned edge of said folded portion, substantially as described.

9. A transmitter-front having an annular folded portion reinforcing the periphery of the front, and an annular folded portion reinforcing the periphery of the mouthpiece-opening, substantially as described.

10. A transmitter-front having a supporting-rim consisting of a continuous rearwardly-extending part of the front, and supporting-lugs formed of continuous inwardly-extended parts of said rim, substantially as described.

Signed by me at Chicago, county of Cook and State of Illinois, in the presence of two witnesses.

ALFRED H. WEISS.

Witnesses:

CLIFFORD C. BRADBURY,
EDITH F. GRIER.