

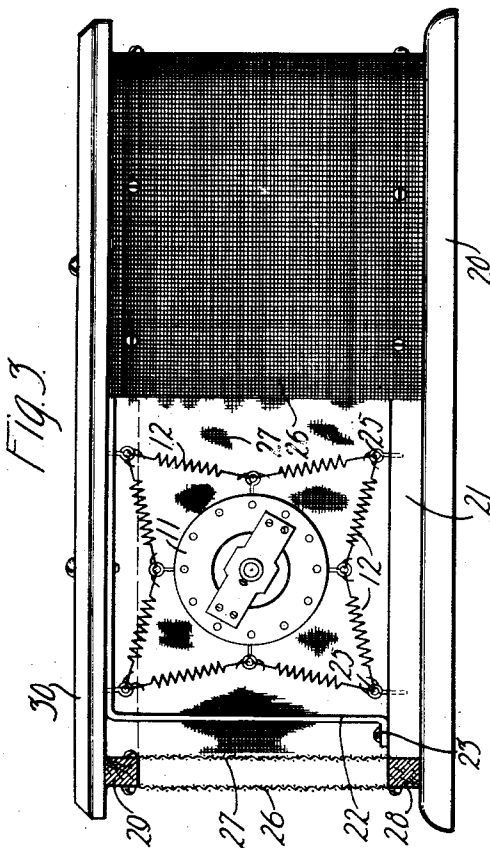
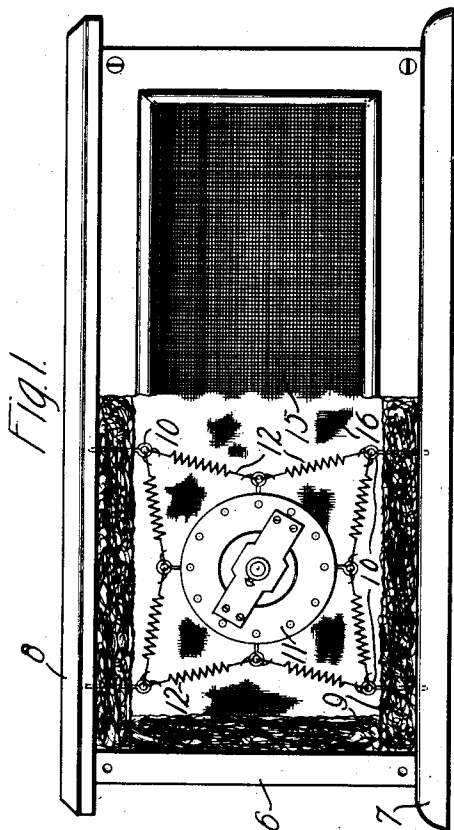
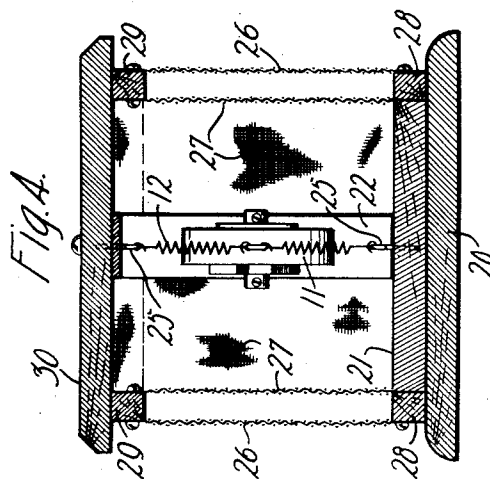
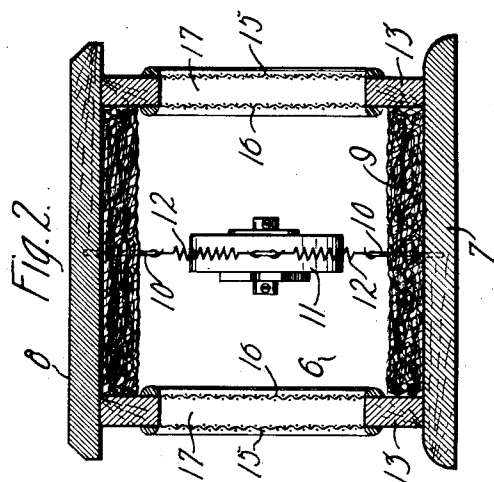
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J. P. MAXFIELD

PROTECTOR FOR ACOUSTIC APPARATUS

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UNITED STATES PATENT OFFICE.

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PROTECTOR FOR ACOUSTIC APPARATUS.

Application filed December 27, 1922. Serial No. 609,330.

This invention relates to shields or protectors for acoustic apparatus and particularly for transmitters used in public address or loud speaking systems.

5 The object of the invention is to provide a cheap and efficient shield for protecting acoustic devices against wind noises.

In general, the invention provides a shield comprising two or more spaced screens placed in front of a transmitter for protecting it against wind noises. More specifically the invention comprises an inclosure having walls of spaced parallel screens formed of fine mesh and resilient means for supporting a transmitter within said inclosure.

Fig. 1 is a front view partly in section of a transmitter mounting embodying the invention and adapted for holding two transmitters.

Fig. 2 is a cross section of the transmitter mounting shown on Fig. 1.

Fig. 3 is a front view, part in section, of another form embodying the invention.

25 Fig. 4 is a cross section of the mounting shown in Fig. 3.

Fig. 1 shows a sound translating device housing having side walls 6, a bottom 7 and a top 8 lined with a sound deadening material 9, such as felt. Attached to the top 8 and the bottom 7 are screw eyes 10 from which a transmitter 11 of any suitable type, may be supported by means of springs 12. The front and rear walls may be formed of rectangular frames 13—13 on each side of which are placed screens 15 and 16. A space is thereby provided between the screens in which the energy due to wind noises is dissipated so that it does not reach the sound translating device which may be a telephone transmitter.

In the modification shown in Figs. 3 and 4 all of the walls are formed of two spaced continuous screens. On the base 20 is a raised portion 21 upon which is supported a frame 22 by means of screws 23. The transmitter 11 in this case is resiliently supported by springs 12 connected to screw eyes 25 in the raised portion 21, and the frame 22. The screens 26 and 27 are attached to the inner and outer edges of the horizontal spacer frames 28 and 29 which are substantially rectangular in shape, and are held against lateral displacement by the portion 21 of the base 20. A cover 30 is screwed to frame 22 and serves to hold the sides in place.

In the drawings the housing shown is provided with means for supporting two transmitters. Obviously, however, means may be provided for the mounting of a single transmitter.

The screens used may be of gauze of any suitable mesh, the inner and outer screens may have the same or a different mesh. Very satisfactory results have been obtained by making both the inner and outer screen of 60 mesh per inch bronze gauze.

The invention claimed is:

The combination with telephone transmitters of a protector therefor, said protector comprising a base, walls each having a plurality of spaced screens, and a cover, said base, walls and cover forming an inclosure for eliminating wind noises, and means within said inclosure for supporting said transmitters.

In witness whereof, I hereunto subscribe my name this 26th day of December A. D., 1922.

JOSEPH P. MAXFIELD.