Dec. 30, 1924. 1,521,393

J. T. ROSS

SPEECH VENT

Filed July 14, 1923

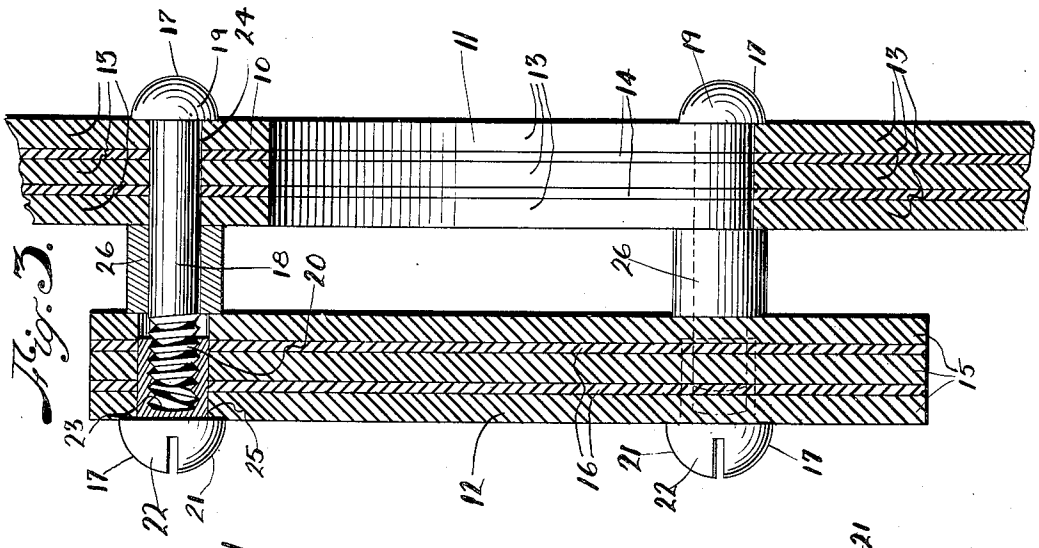


Fig. 3.

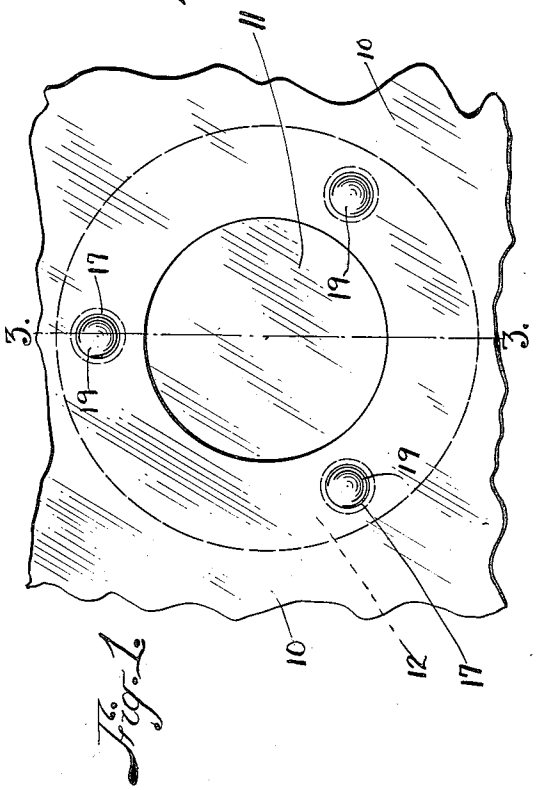


Fig. 1.

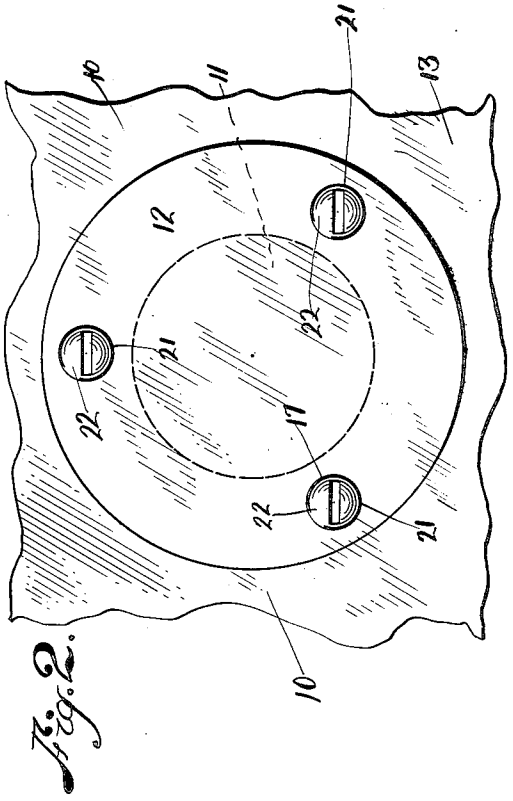


Fig. 2.

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WITNESS: J. B. White

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UNITED STATES PATENT OFFICE.

JAMES T. ROSS, OF NEW YORK, N. Y., ASSIGNOR TO BULLET PROOF & NON SHATTERABLE GLASS CORPORATION, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

SPEECH VENT.

Application filed July 14, 1923. Serial No. 651,600.

To all whom it may concern:

Be it known that I, JAMES T. ROSS, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Speech Vents, of which the following is a specification.

This invention relates to speech vents.

Some of the objects of the present invention are: to employ means so that a person will be guarded against bodily injury and for allowing the person to speak and have vision through the wall of an enclosure such as a cashier's enclosure or cage for proper intercommunication; a means for the purposes mentioned which comprises a wall of transparent non-shatterable and bullet-proof material having an opening therein, and a guard of transparent non-shatterable and bullet-proof material detachably supported on said wall spaced therefrom and preferably larger than said opening; and with these and other objects in view the invention resides in the particular construction of the parts hereinafter fully described and illustrated in the accompanying drawing, in which:

Figure 1 is a front elevation illustrating the application of the present invention.

Figure 2 is a rear elevation.

Figure 3 is a sectional view taken on the line 3—3, Figure 1.

The present invention has a wide range of use, and it is to be understood that the same is not limited to any particular use. In each case however it will involve an enclosure one wall of which to be transparent, such as the wall 10 illustrated in the drawing. In order to carry out the purposes and the result looked for hereinbefore mentioned the wall 10 will be made of special material and it will have an opening therethrough, such as the opening 11; and a guard 12 also of special material will be employed behind the opening 11. The wall 10 is to be non-shatterable and bullet-proof, and to this end the same is made up from laminations of plate glass 13 and laminations of celluloid 14 between the laminations of glass 13. The guard 12 is constituted of the same material of which the wall 10 is constituted and therefore comprises laminations of plate glass 15 and laminations of celluloid 16 between the laminations 15. The opening 11 in the present instance is circular and the guard 12 is also circular but the guard 12 is larger in diameter than the diameter of the opening 11. As stated the guard 12 is arranged behind the opening 11 and that is accomplished by supporting the same from the wall 10. The guard 12 is supported by the wall 10 by virtue of devices 17. Each device 17 comprises a part 18 having a head 19 and external screw threads 20 at the end opposite the end having the head 19, and a part 21 having a manipulating head 22 at one end and a screw threaded bore 23 in the other end thereof. The wall 10 has holes 24 therethrough and the guard 12 has holes 25 therethrough equal in number to the number of holes 24 in the wall 10 in similar arrangement so that the holes 24 and 25 may be brought into alinement respectively for the employment of the devices 17 as shown in Figure 3. The parts 18 extend respectively through the holes 24 and the parts 21 extend respectively through the holes 25, and by virtue of the screw threaded bore 23 and screw threads 20 of the related parts 18 and 21 the guard 12 is detachably supported directly behind the opening 11. The guard 12 is held spaced from the wall 10 by virtue of spacers 26 arranged respectively on the parts 18.

From the foregoing it will be manifest that a person will be guarded against bodily injury when behind a wall having the characteristics mentioned with the guard having the characteristics mentioned in place as specified, by another person on the opposite side of said wall; that the guarded person may see through either the wall or the guard such other person; and that the guarded person may properly audibly communicate with such other person.

What is claimed is:

The combination with a transparent bullet-proof wall having an opening therein, of a bullet-proof plate arranged in spaced relation to the wall and of a size to extend beyond the edges of the opening, bolts passing through the transparent wall and plate, and spacing collars on the bolts between the transparent wall and plate.

In testimony whereof I hereby affix my signature.

JAMES T. ROSS.