G. J. GAUL.

SOUNDING BOARD.

APPLICATION FILED JUNE 29, 1914.

1,130,505.

Patented Mar. 2, 1915.

2 SHEETS—SHEET 1

Fig. 1.

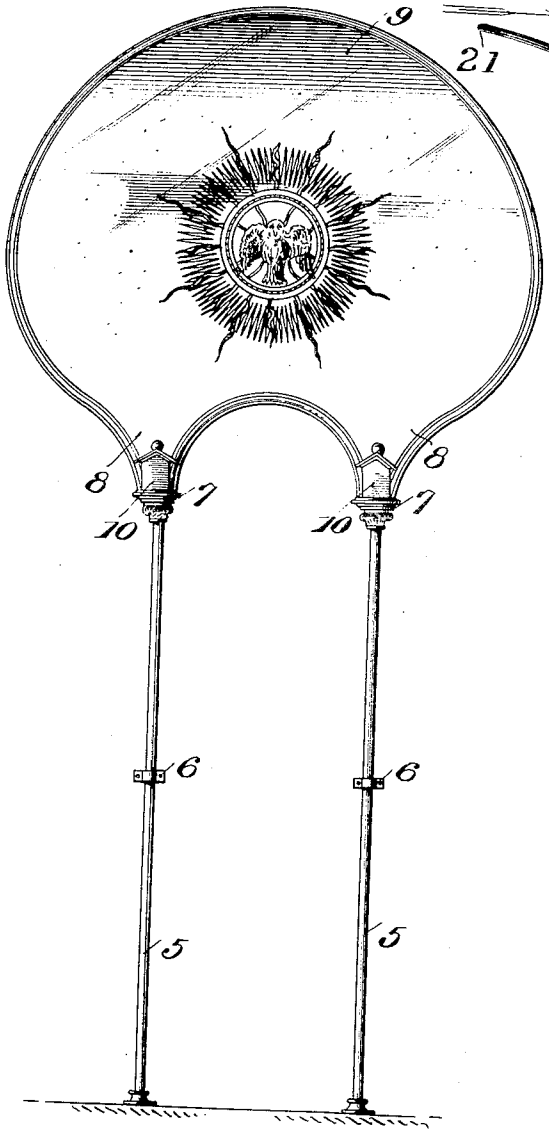
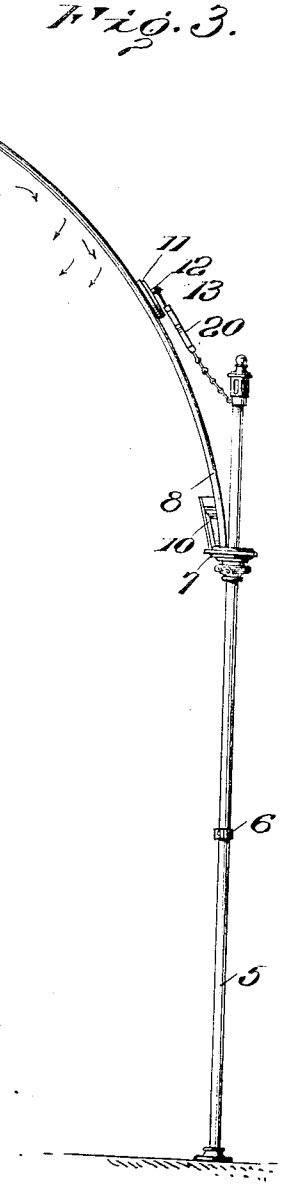


Fig. 3.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 2.

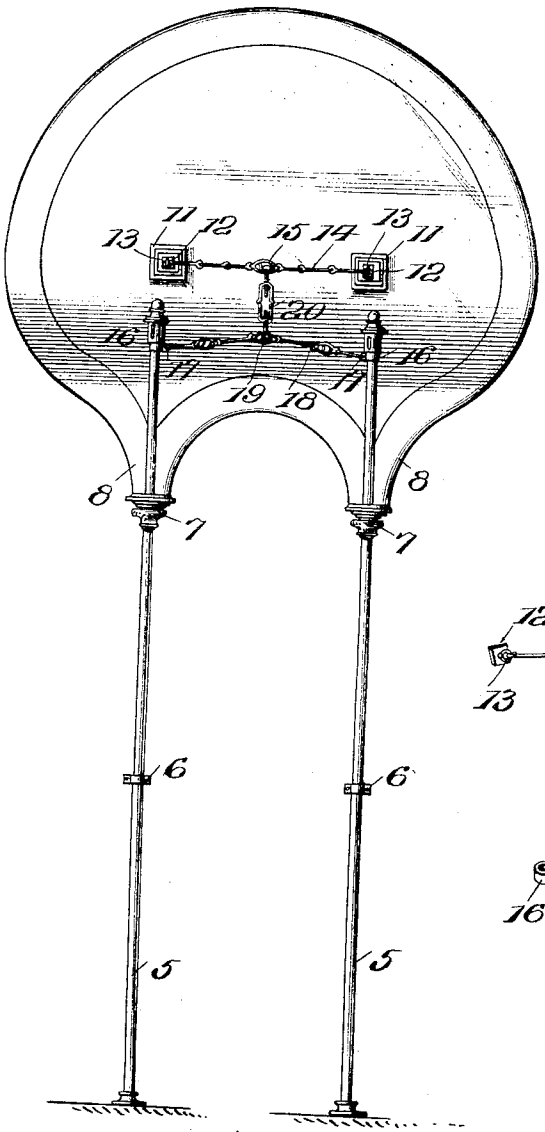
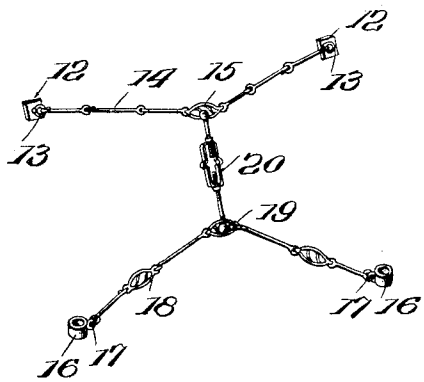


Fig. 4.



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UNITED STATES PATENT OFFICE.

GODFRIED J. GAUL, OF CHICAGO, ILLINOIS, ASSIGNOR TO DAPRATO STATUARY COMPANY, OF CHICAGO, ILLINOIS.

SOUNDING-BOARD.

1,130,505. Specification of Letters Patent. Patented Mar. 2, 1915.

Application filed June 29, 1914. Serial No. 847,364.

To all whom it may concern:

Be it known that I, GODFRIED J. GAUL, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Sounding-Boards, of which the following is a specification.

This invention relates to sounding boards, and more particularly to that class of sounding boards adapted to be placed in the rear of a pulpit, in order that the voice of the speaker may be so reflected as to be magnified, and be given the necessary force and distance to reach all portions of the auditorium.

The primary object of the present invention is to provide a sounding board of the character set forth which shall be adjustable in order that the desired range of the sound wave reflection may be obtained.

A further object of this device is to provide a device which shall be ornamental and easy to operate.

With these and other objects in view as will hereinafter appear, this invention consists in the detailed construction of an adjustable sounding board as herein described and more particularly set forth in the appended claims.

Referring to the drawings forming a portion of this specification and wherein similar reference numerals indicate similar parts wherever used, Figure 1 is a front view of the device; Fig. 2 is a rear view; Fig. 3 is a side view and Fig. 4 is a fragmentary detail showing the adjusting mechanism.

The numerals 5, 5 designate supports adapted to be secured against the rear wall of the pulpit by means of straps 6, 6, or in any other suitable manner. Adjacent to the top of the supports 5, 5 are provided ornamental members 7, 7, upon which rest the two legs 8, 8 of the sounding board 9, the said sounding board being preferably fastened to the members 7, 7, and the joint between the two hidden by means of an ornamental member 10. Secured to the rear of the sounding board 9 are two projections 11, 11, carrying plates 12, 12, provided with eyes 13. Connecting these eyes 13, 13 is a chain provided centrally with a relatively larger link 15.

Slidably mounted upon the upper ends of the supports 5, 5 are collars 16, 16, provided with eyes 17, the said eyes being connected by means of a chain 18 centrally provided with a relatively larger link 19.

Connecting the link 15 of the chain 14 and the link 19 of the chain 18 is a turn buckle 20 of any suitable type. When it is desired to change the angle of inclination of the sounding board a tightening of the turn buckle 20 will cause a pull upon the chain 14, which will tend to cause the outer edge 21 of the sounding board 9 to be drawn backward in the direction of the arrow, shown in Fig. 3. Should it be desired to again return the sounding board to normal position the turn buckle 20 may be loosened, whereupon the sounding board will return to its former position. It will thus be seen that the device may be adjusted to present various angles whereby to reflect the sound by the operation of the turn buckle 20.

As many changes could be made in the above construction and many apparently widely different embodiments of my invention could be made, without departing from the scope thereof, I intend that all matter contained in the above description or shown in the accompanying drawings shall be interpreted as illustrative and not in a limiting sense.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. A sound wave reflector, comprising, in combination a support, a sounding board mounted on said support, an upper flexible member connected at its ends to the rear of said sounding board at points to one side the center thereof, a lower flexible member connected at its ends to said support, and a member connecting said flexible members intermediate their ends and provided with means for varying its length to lessen or increase the distance between said flexible members and thereby to change the angle of inclination of said sounding board.

2. A sound wave reflector, comprising, in combination, a support, a sounding board mounted upon said support, a member having its ends connected to said sounding board, a second member having its ends connected to said support, and means connecting both of said members intermediate their ends and adapted to vary the distance between said members and thereby to cause a variance of the angle of inclination of said sounding board.

3. A sound wave reflector comprising, in combination, a support, a sounding board mounted upon said support, a flexible member mounted upon said sounding board, a second flexible member carried by said support and means connecting said flexible members adapted to vary the angle of inclination of said sounding board.

4. A sound wave reflector comprising, in combination, a support, a sounding board mounted thereon, a chain carried by said sounding board, a second chain mounted upon said support and a turn buckle connecting said chains to control the angle of inclination of said sounding board.

5. A sound wave reflector comprising, in combination, a support, a sounding board mounted upon said support, a chain provided with a centrally disposed enlarged link mounted upon said sounding board, a second chain provided with a centrally disposed enlarged link carried by said support, and a turn buckle engaging the centrally disposed links of said chains whereby operation of the turn buckle will cause tension upon said chains to vary the angle of inclination of said sounding board.

In testimony whereof I affix my signature in presence of two witnesses.

GODFRIED J. GAUL.

Witnesses:
MARGARET SHEALY,
NINA M. BARNUM.