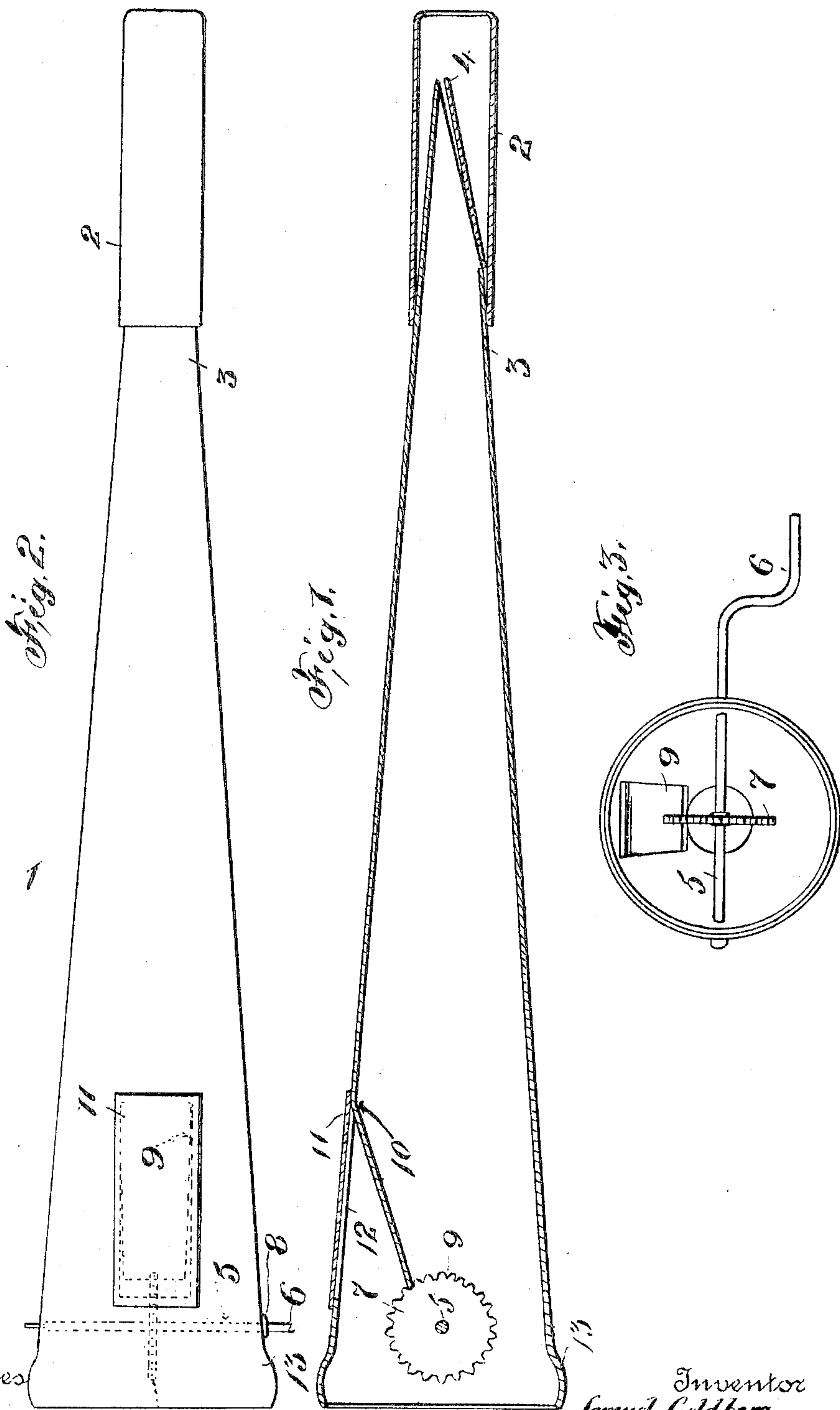


S. GOLDBERG.

HORN.

APPLICATION FILED JULY 16, 1904.



Witnesses
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UNITED STATES PATENT OFFICE.

SAMUEL GOLDBERG, OF NEW YORK, N. Y.

HORN.

No. 797,572.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, SAMUEL GOLDBERG, a citizen of the United States, and a resident of the city, county, and State of New York, have invented certain new and useful Improvements in Horns, of which the following is a specification.

The object of my invention is to utilize the body of an ordinary campaign-horn in providing a ratchet or cricket sounding means, whereby a double use is given to the horn-body without materially increasing the cost of the usual horn.

Other advantages will appear hereinafter.

In the drawings forming part of this specification, Figure 1 is a vertical section through my improved horn. Fig. 2 is a side elevation thereof, and Fig. 3 is a plan view.

I have applied my invention to an ordinary reed horn with a body 1 flaring at its lower end and having a mouthpiece 2 attached over the smaller end 3. In the smaller end I have utilized the ordinary reed 4 in the usual way. Within the horn-body I provide a cross-bar 5 with any suitable crank 6, which may preferably be made integral therewith, and preferably a bent wire, to which is attached a wheel 7. The cross-piece is held in the body in any desirable way, such as by flattening the end to enlarge it and prevent its withdrawal. Solder or any other means, such as 8, may be provided at the opposite side of the horn to likewise hold it in position. On this wheel I provide a means for creating a ratchet or cricket sound, preferably by providing teeth 9 on the periphery of the wheel, which come in contact with a suitably-disposed engaging member 10, which I preferably make by stamping out of the horn-body. This tongue 10 is bent inwardly from the body, so as to engage the teeth 9 of the wheel. If desired, a plate 11 may be soldered or otherwise secured over the aperture 12 created by the stamping of

the tongue 10. The flange 13 may be provided on the horn-body in the usual way. By this simple means of construction it is obvious that the usual horn-body is utilized for a double purpose without materially increasing the cost of the usual horn. At the same time the cricket or ratchet attachment is given a louder and clearer sound than the ordinary cricket by reason of the megaphone effect of the horn-body. The tongue 10 may be secured to the body in any other desired position or in any desired way without departing from the spirit of my invention in its broadest aspect. The ratchet-wheel may also be attached to the horn-body at either the large end or the small end, in either case the greater part of the weight of the horn being disposed either on one side or the other of the ratchet, so as to be able to properly swing the horn by means of the handle.

Having described my invention, what I claim is—

1. A reed horn with a wheel mounted in the horn-body, and provided with peripheral teeth, a vibrating member secured within the horn-body, and attached to engage with said teeth.

2. A reed horn having a cross-bar mounted in the horn-body and having a crank thereon, a toothed wheel on said cross-piece, a vibrating member stamped from the body of said horn and disposed so as to be vibrated by the said toothed wheel, and a plate secured to the horn-body over the opening caused by said vibrating member whereby the horn-body may be swung on said crank and cause the vibration of the said vibrating member.

Signed this 12th day of July, 1904.

SAMUEL GOLDBERG.

Witnesses:

PHIL BEAR,

GEORGE J. AVERY.