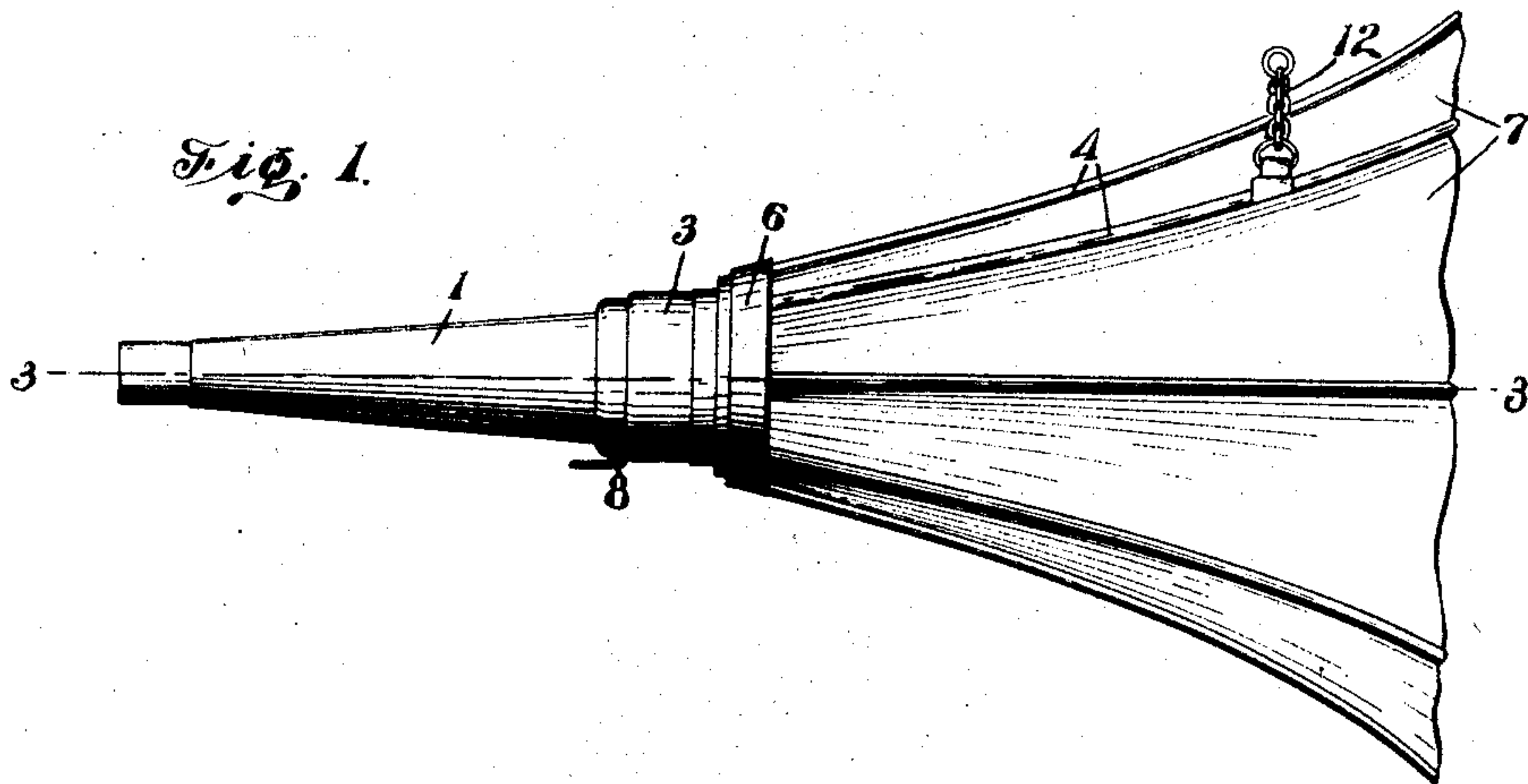


No. 811,900.

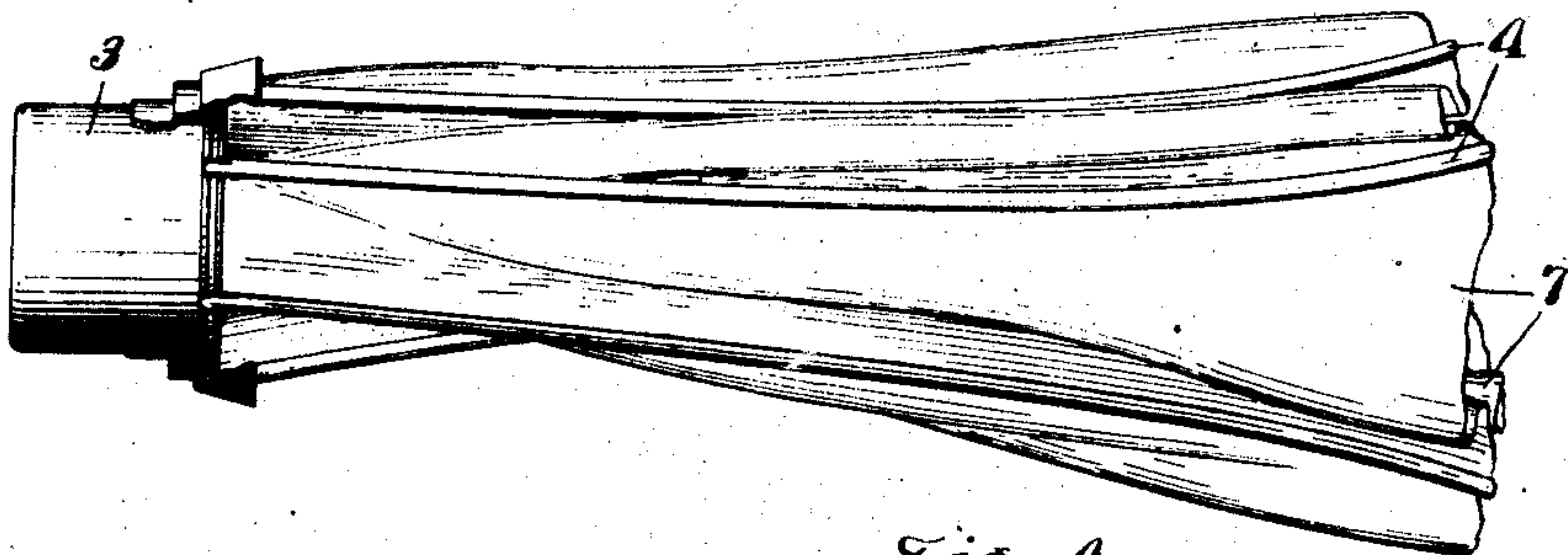
PATENTED FEB. 6, 1906.

J. T. BROWN.  
FOLDING PHONOGRAPH HORN.  
APPLICATION FILED DEC. 31, 1904.

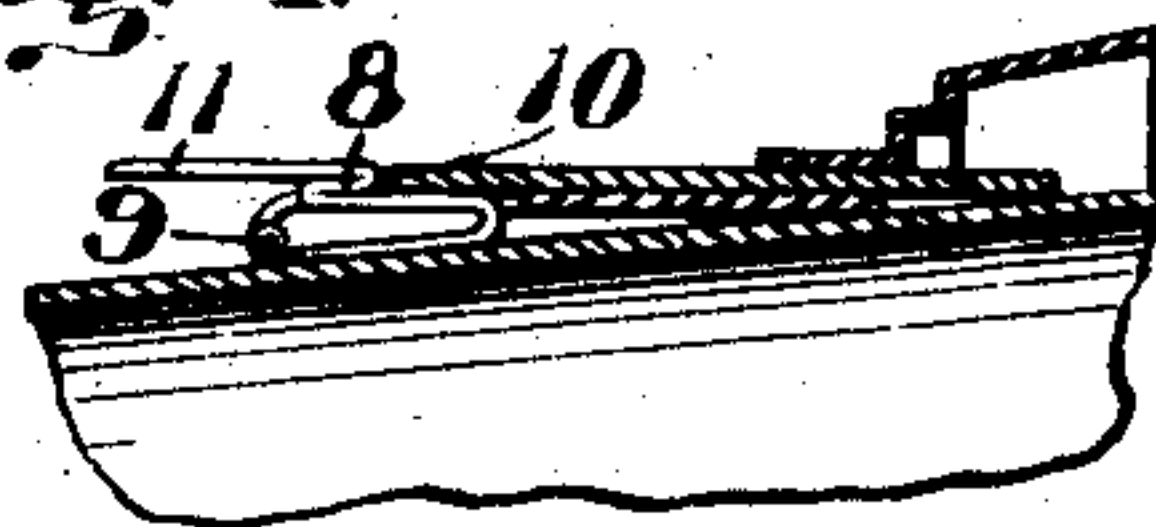
*Fig. 1.*



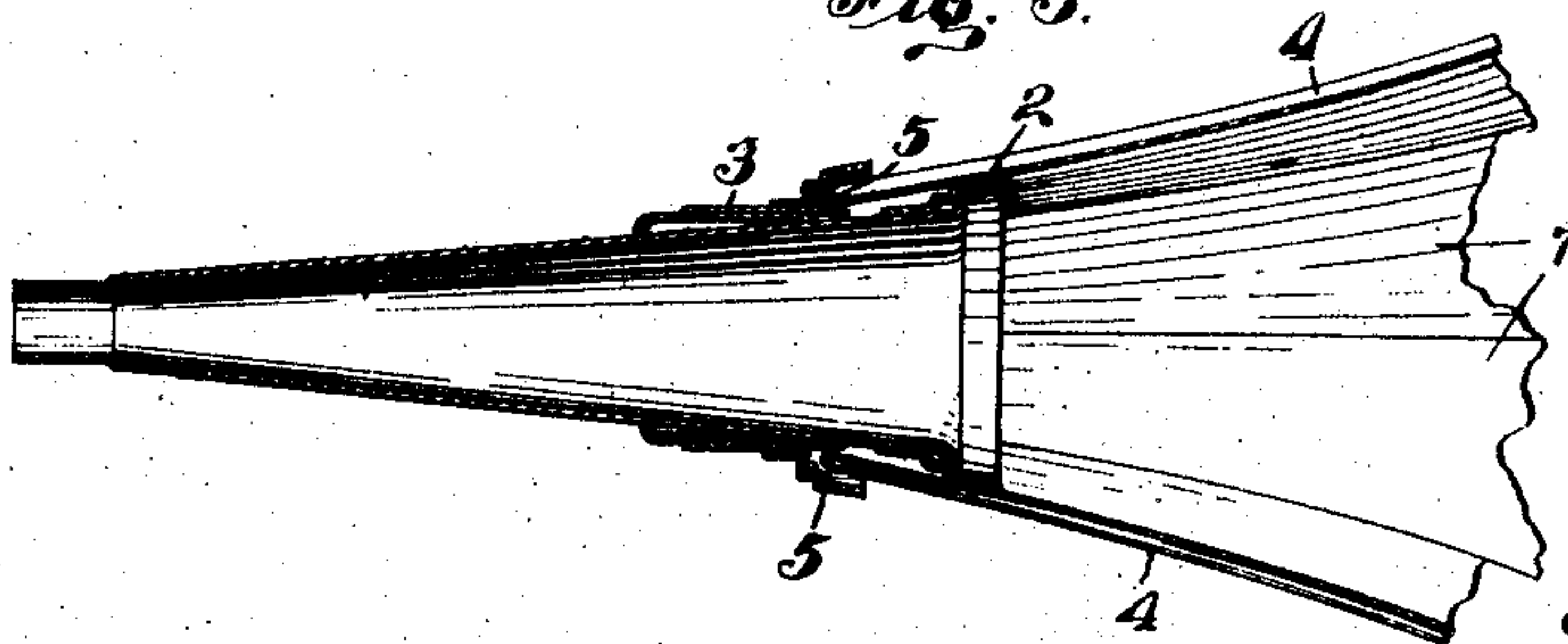
*Fig. 2.*



*Fig. 4.*



*Fig. 3.*



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# UNITED STATES PATENT OFFICE.

JAMES T. BROWN, OF NEW YORK, N. Y.

## FOLDING PHONOGRAPH-HORN.

No. 811,900.

Specification of Letters Patent.

Patented Feb. 6, 1906.

Application filed December 31, 1904. Serial No. 239,241.

*To all whom it may concern:*

Be it known that I, JAMES T. BROWN, a citizen of the United States, residing at 1524 First avenue, in the city, county, and State of New York, have invented a new and useful Folding Phonograph-Horn, of which the following is a specification.

My invention relates to a horn especially adapted for use with phonographs or similar devices; and it consists in the constructions, combinations, and arrangements herein described and claimed.

The objects of my invention are to provide a simple and durable form of collapsible horn which can be conveniently adjusted and which will be held rigidly in its expanded position.

Referring to the accompanying drawings, forming a part of this application, and in which similar reference-symbols indicate corresponding parts in the several views, Figure 1 is a side elevation illustrating one embodiment of my invention in its expanded position. Fig. 2 is a side elevation, partly in section, showing the collapsible portion of the horn in folded position. Fig. 3 is a sectional view on the line 3-3 of Fig. 1. Fig. 4 is a detail sectional view illustrating a preferred form of latch for locking the two portions of the horn together.

Referring especially to Figs. 1 to 4, 1 indicates the rigid mouthpiece of a horn, which may be formed of any suitable metal and which is provided with a tapered annular portion 2 for expanding the foldable portion of the horn. The foldable portion of the horn comprises a stiff sleeve 3, preferably formed of metal, to which an annular series of stiff ribs 4 are pivoted at 5. The sleeve 3 is provided with a tapered annular flange 6 for limiting the outward swing of the ribs 4 about their pivots 5, the limiting-flange 6 of the sleeve and the expanding portion 2 of the mouthpiece preferably being constructed with the same taper for the purpose of securely clamping the ribs 4 rigidly therebetween.

In the construction shown the ribs 4 are constructed of strips of metal bent in U-shaped form for clamping the edges of the suitably-arranged sections 7, of leather or other flexible material. This construction

permits a supporting means, such as a chain 12, to be secured near the outer ends of the ribs, thereby enabling the horn to be supported without undue strain.

The mouthpiece 1 carries a suitable latch 8 for securely locking the two portions of the horn together. As shown, especially in Figs. 1 and 4, this latch may be formed of sheet metal pivoted at 9 to the mouthpiece and provided with a lip 10 for engaging the end of the sleeve 3 when the parts are assembled, a thumb-piece 11 being provided for depressing the latch when it is desired to separate the parts of the horn.

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

1. A horn comprising a mouthpiece, a flexible portion, and cooperating means on said mouthpiece and flexible portion for expanding the latter and clamping it in expanded position, substantially as described.

2. A horn comprising a mouthpiece, a flexible portion, and cooperating tapered means on said mouthpiece and flexible portion for expanding the latter and clamping it in expanded position, substantially as described.

3. A horn comprising a mouthpiece, a flexible portion, cooperating tapered means on said mouthpiece and flexible portion for expanding the latter and clamping it in expanded position, and means for locking said flexible portion on the mouthpiece in expanded position, substantially as described.

4. A horn comprising a mouthpiece, a flexible portion, an annular flange carried by the flexible portion for limiting its expansion, and an expanding portion carried by the mouthpiece for expanding the flexible portion against said flange, substantially as described.

5. A horn comprising a mouthpiece, a flexible portion, a tapered annular flange carried by the flexible portion for limiting its expansion, and a tapered expanded portion carried by the mouthpiece for expanding the flexible portion against said flange, substantially as described.

6. A horn comprising a rigid mouthpiece-section and a collapsible section, said collapsible section being expanded by a movement of one of said sections relatively to the other.

7. A horn comprising a rigid mouthpiece-  
section and a collapsible section, the former  
telescoping within the latter and operative  
to expand the latter by a movement relative  
5 thereto.

8. A horn comprising a rigid mouthpiece-  
section and a collapsible section, the former

telescoping within the latter and the latter  
being expanded by a relatively longitudinal  
movement of one of said sections.

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Witnesses:

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