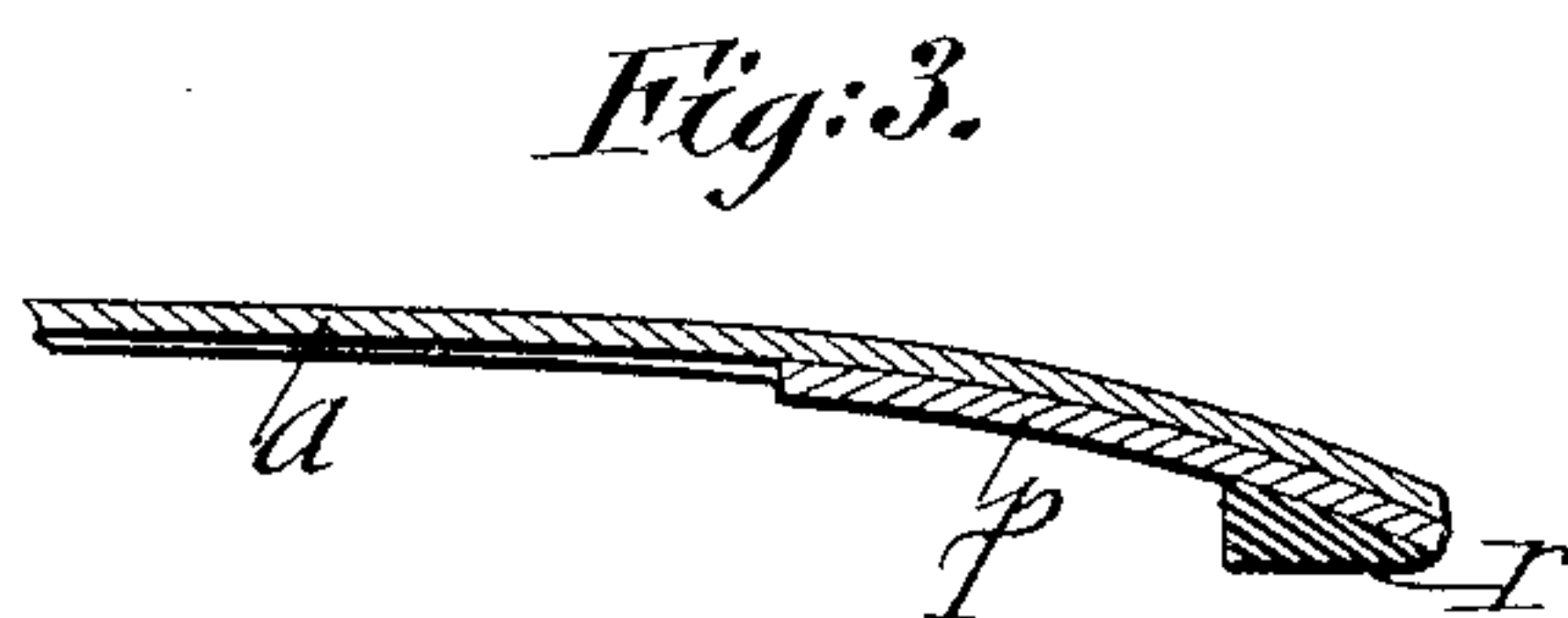
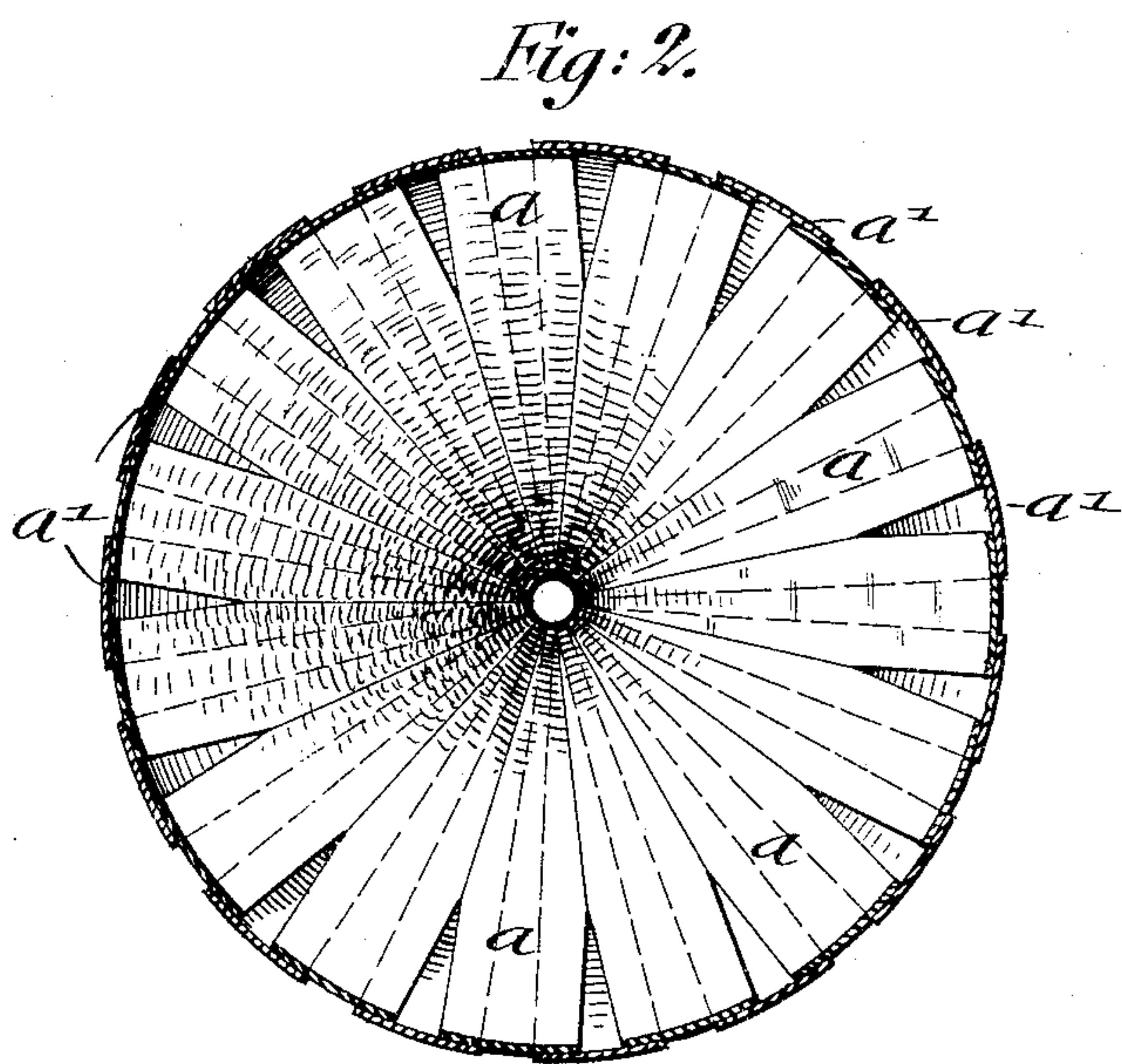
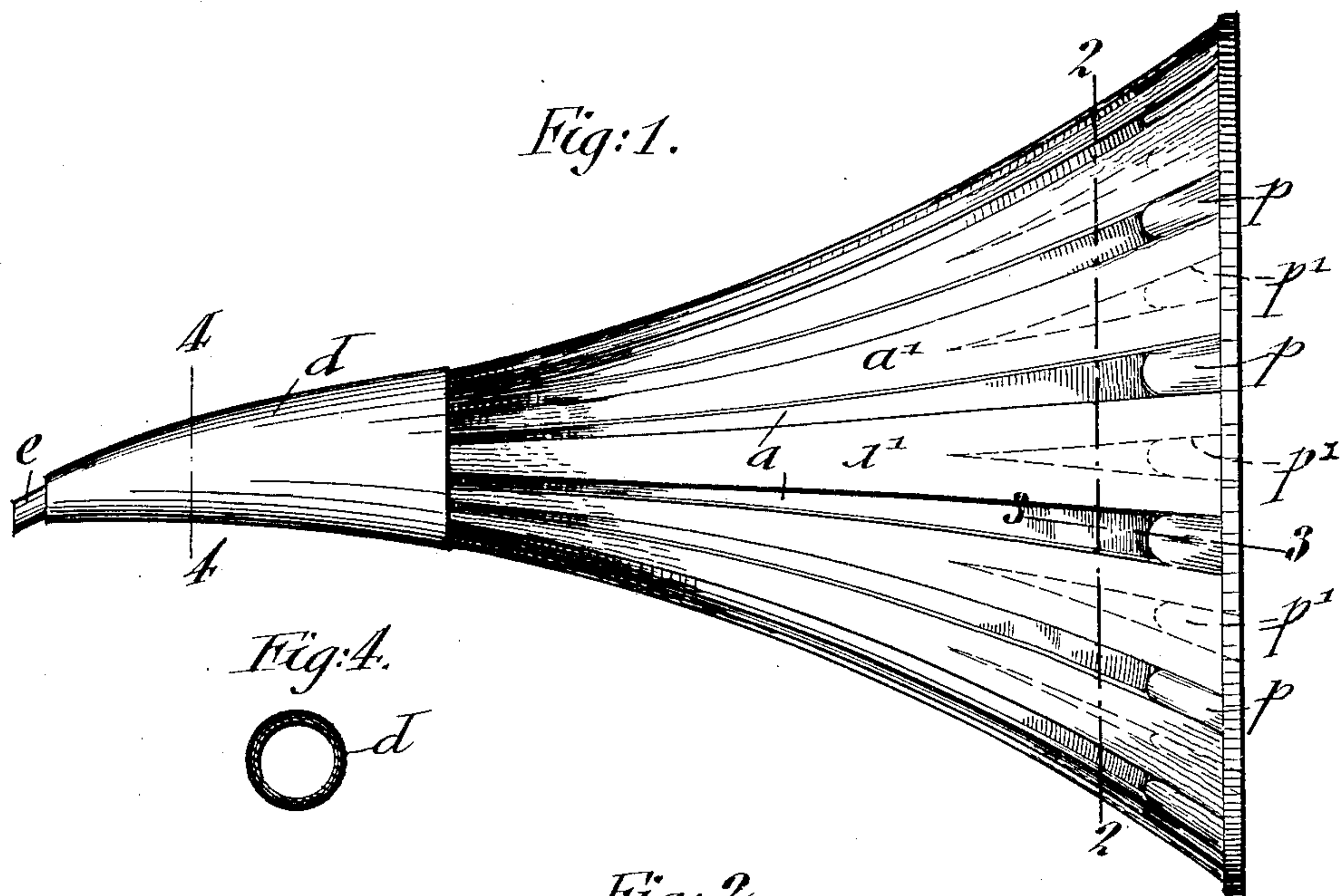


No. 784,385.

PATENTED MAR. 7, 1905.

A. R. CUNNIUS.
TRUMPET FOR TALKING MACHINES.

APPLICATION FILED OCT. 11, 1904.



Witnesses
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UNITED STATES PATENT OFFICE.

ALFRED R. CUNNIUS, OF NEW YORK, N. Y., ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, OF ONE-HALF TO LIPMAN KAISER, OF NEW YORK, N. Y.

TRUMPET FOR TALKING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 784,385, dated March 7, 1905.

Application filed October 11, 1904. Serial No. 227,992.

To all whom it may concern:

Be it known that I, ALFRED R. CUNNIUS, a citizen of the United States, residing in New York, borough of Brooklyn, in the State of New York, have invented certain new and useful Improvements in Trumpets for Talking-Machines, of which the following is a specification.

This invention relates to an improved trumpet for talking-machines of all kinds which combines lightness with strength and resistance against injury by being dropped or from other causes, always preserving its original shape and appearance; and the invention consists of a trumpet for talking-machines comprising a conically-tapering body composed of a number of layers, the outer layer being composed of tapering strips separated by spaces tapering inwardly from the larger end of said body, a reinforcing-rim surrounding the body at said larger end, and filling-pieces retained by said rim and extending inwardly into said tapering spaces.

The invention also consists in further novel features and combinations of parts, which will be hereinafter described and claimed.

In the accompanying drawings, illustrative of one embodiment of the invention, Figure 1 is a side elevation of my improved trumpet for talking-machines. Fig. 2 is a vertical transverse section of the same on line 2 2, Fig. 1. Fig. 3 is a detail section on line 3 3, Fig. 2, through the mouth of the trumpet, drawn on a larger scale; and Fig. 4 is a vertical transverse section on line 4 4, Fig. 1.

Similar letters of reference indicate corresponding parts.

My improved trumpet is made of conical shape and of thin strips, preferably of wood, which taper from the mouth to the inner small end. The body of the trumpet is made of two superposed layers of tapering strips *a a'*, the strips *a* of the inner layer breaking joints with the strips *a'* of the outer layer, as shown clearly in Fig. 2. The tapering strips are diminished in width toward the smaller end of the trumpet, some of them being terminated at some distance from the same, while

others run through, so as to form a small tubular end *e*. The small end of the trumpet is surrounded by a layer *d* of waterproof material—such as Japan cloth, hard rubber, or other suitable material—which serves as a handle for the trumpet and also for reinforcing the ends of the tapering strips at the small end of the trumpet. The outer end or mouth of the trumpet is reinforced by an exterior rim *r* of wood or other suitable material, and the spaces between the exterior strips adjacent the rim are ornamented by short rounded-off strips or filling-pieces *p*, that impart a conical edge to said strips, and thereby an ornamental appearance to the outer wider end or mouth of the trumpet. Filling-pieces *p'* are also interposed between the strips of the inner layer in the same manner, as shown in dotted lines in Fig. 1. The rim *r* holds the short filling-pieces *p p'* and the layers of tapering strips *a a'* in position and imparts increased strength and finish to the mouth of the trumpet. The filling-pieces form a uniform continuous support for the reinforcing-rim *r*, serving thereby, in addition to the rim, for strengthening the outer end or mouth of the trumpet.

As the trumpet is preferably made throughout of wood, it acts in the nature of a sounding-board and transmits the sounds spoken into the same in a better manner than the hard-rubber or other trumpets used heretofore for talking-machines and the like. Besides, the trumpet is more durable, as it can be dropped without injury or denting of the same, and it is also cheaper than the usual trumpets of brass and similar material.

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

1. A trumpet for talking-machines, comprising a conically-tapering body composed of a number of layers, the outer layer being composed of tapering strips separated by spaces tapering inwardly from the larger end of said body, a reinforcing-rim surrounding the body at said larger end, and filling-pieces retained by said rim and extending inwardly into said tapering spaces.

2. A trumpet for talking-machines, com-

prising a conically-tapering body made of
layers of tapering strips, the strips of each
layer being separated by spaces tapering in-
wardly from the larger end of the body and
5 breaking joints with the strips of the adjacent
layer, an outer reinforcing-rim surrounding
the body at the larger end thereof, filling-
pieces retained by said rim and extending in-
wardly into the tapering spaces of the outer

layer, and similar filling-pieces inserted in the 10
spaces between the strips of the inner layer.

In testimony that I claim the foregoing as
my invention I have signed my name in pres-
ence of two subscribing witnesses.

ALFRED R. CUNNIUS.

Witnesses:

PAUL GOEPEL,

HENRY J. SUHRBIER.