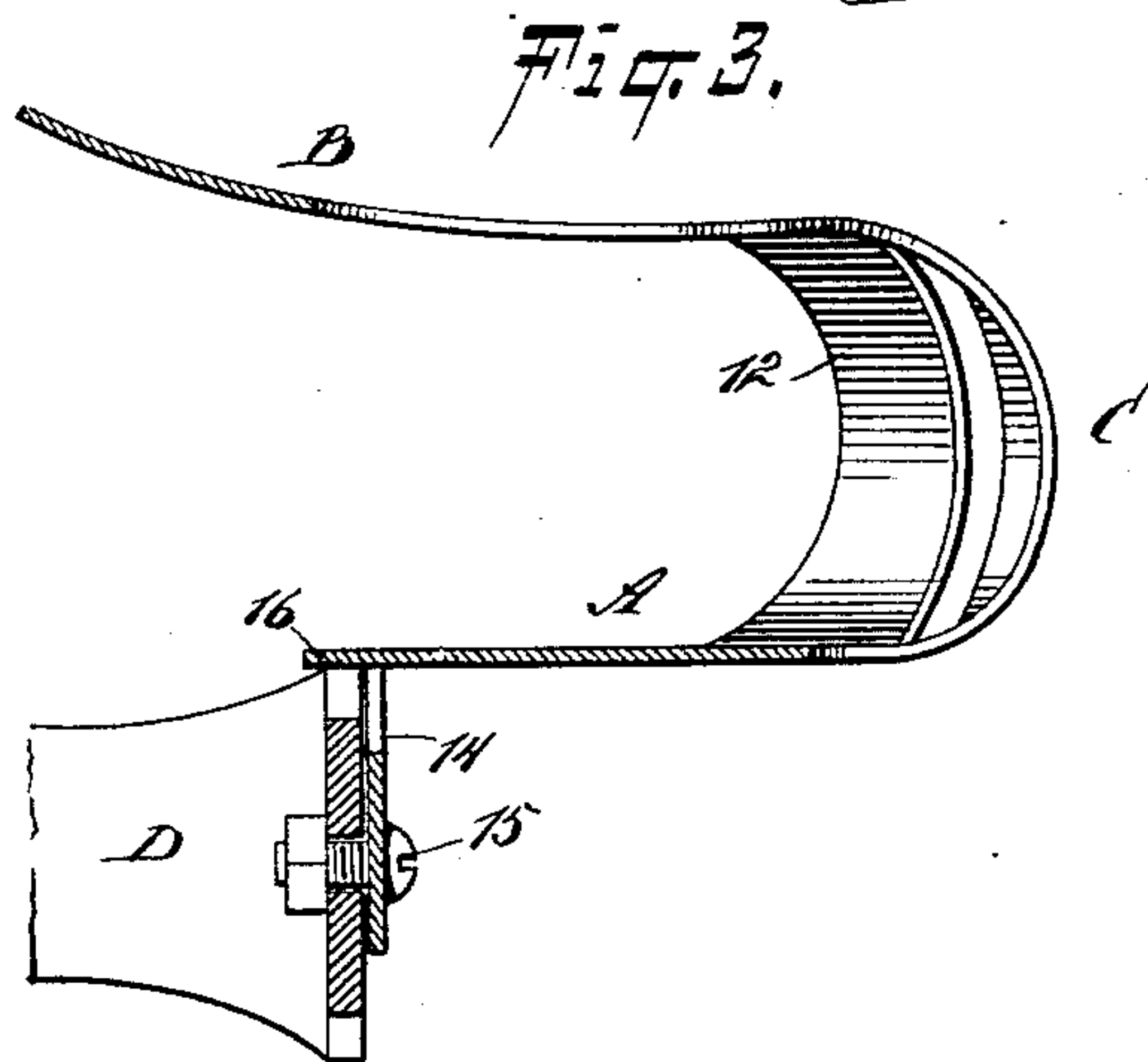
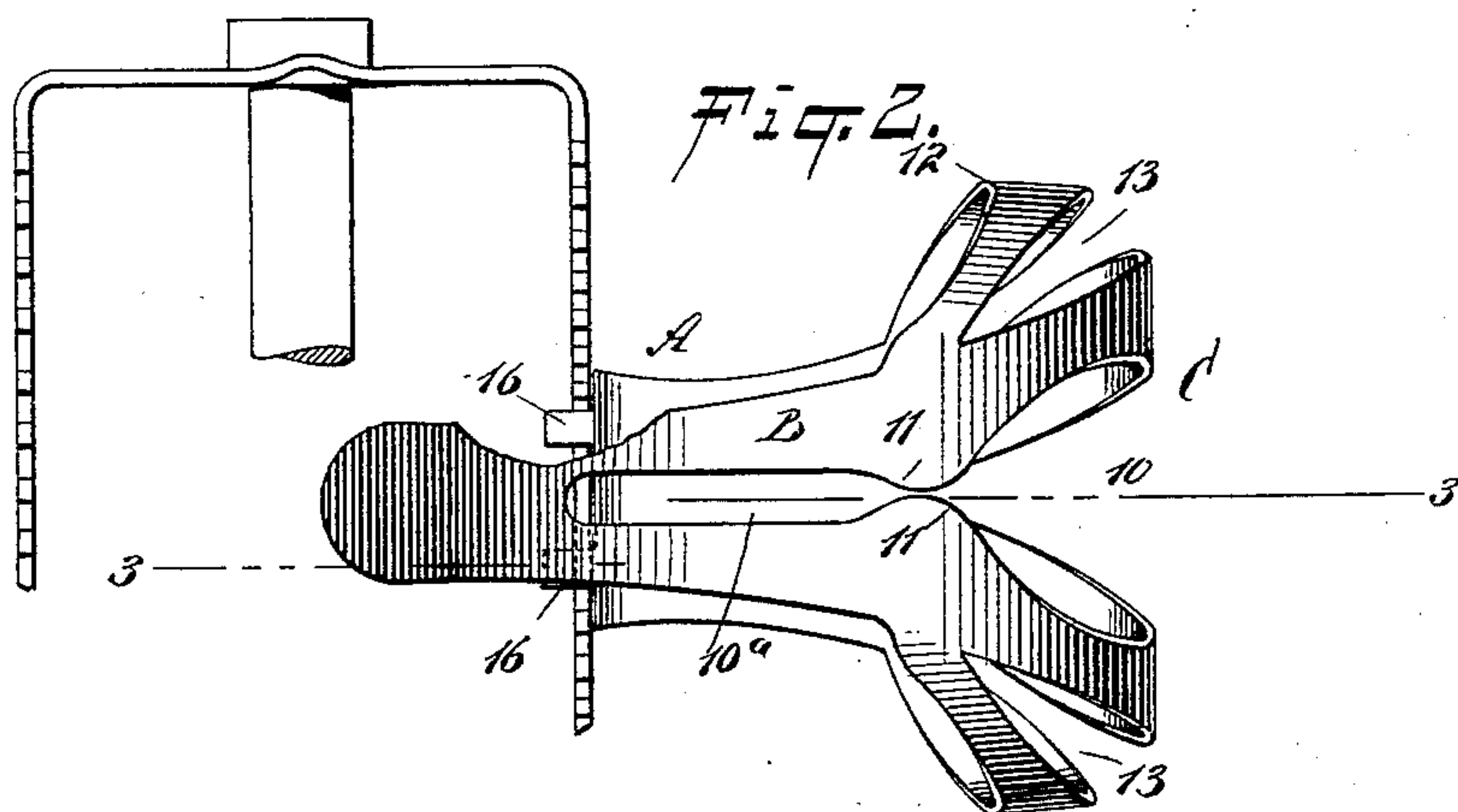
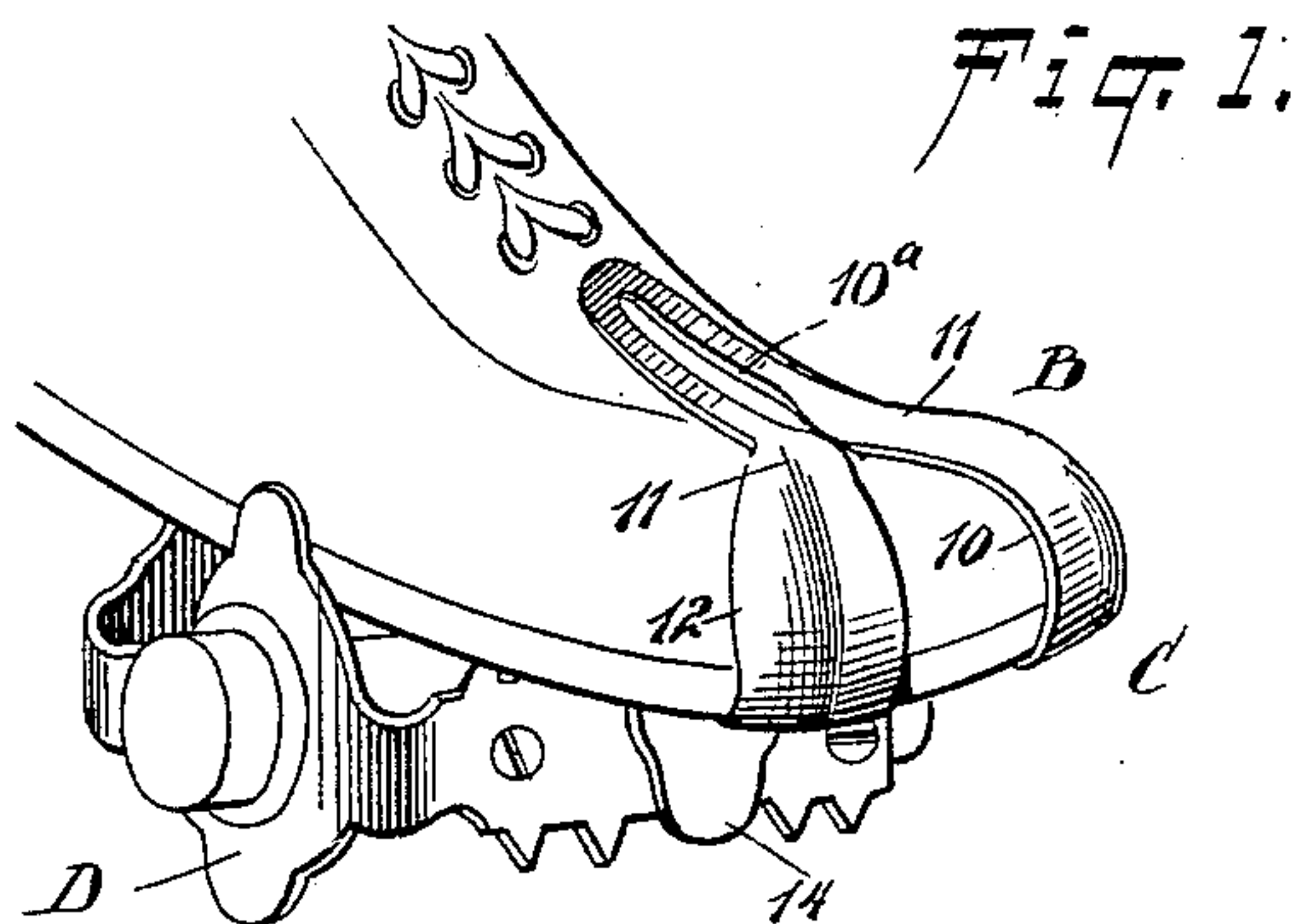


(No Model.)

D. BASCH.
TOE CLIP FOR BICYCLES.

No. 602,692.

Patented Apr. 19, 1898.



WITNESSES:

William P. Gaebel.

John A. Ken.

INVENTOR

D. Basch.

BY

Murray

ATTORNEYS.

UNITED STATES PATENT OFFICE.

DAVID BASCH, OF NEW YORK, N. Y.

TOE-CLIP FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 602,692, dated April 19, 1898.

Application filed May 17, 1897. Serial No. 636,906. (No model.)

To all whom it may concern:

Be it known that I, DAVID BASCH, of New York city, in the county and State of New York, have invented a new and Improved
5 Toe-Clip for Bicycles, of which the following is a full, clear, and exact description.

The object of my invention is to provide a toe-clip for bicycles so constructed that the toe portion of a shoe will not slip from the
10 clip and the clip will in no manner interfere with the action of the foot, this result being accomplished without adding materially to the weight of the toe-clip or rendering it more cumbersome than ordinary.

15 Another object of the invention is to construct the upper portion of the clip in such manner that it may be fitted to the vamp of the shoe so as not to clamp or unduly press upon the foot.

20 The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claim.

Reference is to be had to the accompanying
25 drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the improved toe-clip applied to a bicycle-pedal, showing the toe portion of the shoe within the
30 clip. Fig. 2 is a plan view of the improved clip, a part being broken away, and a plan view of a portion of a pedal. Fig. 3 is a vertical section through the same and through a portion of a pedal to which it is attached, the
35 section being taken on the line 3 3 of Fig. 2.

The clip is preferably made of sheet metal and comprises principally a bottom section A, a top section B, and a front section C,
40 connecting the top and the bottom sections. In the front section C an opening 10 is made, which opening, when the clip is viewed from the top, presents somewhat of the contour of the letter V; but the shape of this opening
45 may be varied as found necessary in practice.

By reason of the opening 10 the front of the clip is divided into two side portions, and one of said side portions is at an angle to the
50 other. The opening 10 connects with an opening 10^a in the top section B of the clip. Where the two openings 10 and 10^a join, op-

posing lips 11 are formed, said lips normally having their opposing edges quite close together, as shown in Fig. 2. The opening 10^a
55 and the lips 11 admit of a lateral and vertical adjustment of the clip to the foot, and should the top section of the clip adjacent to the front bear to too great an extent on the foot said pressure may be readily relieved by
60 bending or curving the lips 11 upwardly to a suitable extent.

The lips 11 constitute one of the features of this invention, and another feature consists in the formation of the front portion of
65 the clip, the said front portion at each side of its center being of such width and so shaped that while the front portions 12 will receive and neatly fit to the front portion of the toe of a shoe said front portions of the clip will
70 also extend along the sides of the shoe at the front and so neatly fit to that portion of the shoe, thereby preventing the toe of the shoe from slipping laterally while in the clip. To this end the side surfaces of the front por-
75 tions of the clip are at a greater or less angle to the front surfaces. The front portions of the toe-clip may be made solid, as shown in Fig. 1, or may be divided by openings 13, which openings, when viewed from the top, are
80 also preferably of V shape, as shown in Fig. 2. The openings 13 when employed materially lessen the weight of the toe-clip without in the slightest degree interfering with the functions of the front portions of the clip,
85 the open form of front holding the toe of the shoe as perfectly as the solid front portions shown in Fig. 1.

The attachment to the pedal D is effected by carrying the rear end of the bottom section A downward to form a bracket 14, through
90 which bracket a screw 15 or equivalent fastening device is passed into the pedal. Upon the upper surface of the bottom section a, at the rear, lugs 16 are formed, which lugs are
95 so placed that they will extend over the upper surface of that portion of the pedal D to which the clip is attached, thereby preventing the clip from shifting on the pedal and particularly from having lateral or side move-
100 ment.

It will be observed that the front of the toe-clip is in the form of a divided hood, each section of the hood being capable of receiv-

ing a portion of the front and a portion of a side of a shoe. The lugs 16 are preferably stamped out from the material of which the bracket is constructed, being carried upward
5 and made to stand in the same plane as the bottom of the clip, extending in a rearward direction.

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

A sheet-metal bicycle toe-clip, comprising the bottom, front, and top sections, divided

into two parts by a longitudinal opening extending from the front of the bottom section, through the front section, and rearwardly to 15 near the end of the top section, the walls of such opening where the front section merges into the top section being made to closely approach each other, forming lips which are capable of being bent vertically, as set forth. 20

DAVID BASCH.

Witnesses:

J. FRED. ACKER,
EVERARD BOLTON MARSHALL.