

(No Model.)

W. H. AYRES.
MUSIC BOOK OR FOLIO.

No. 495,870.

Patented Apr. 18, 1893.

Fig. 2

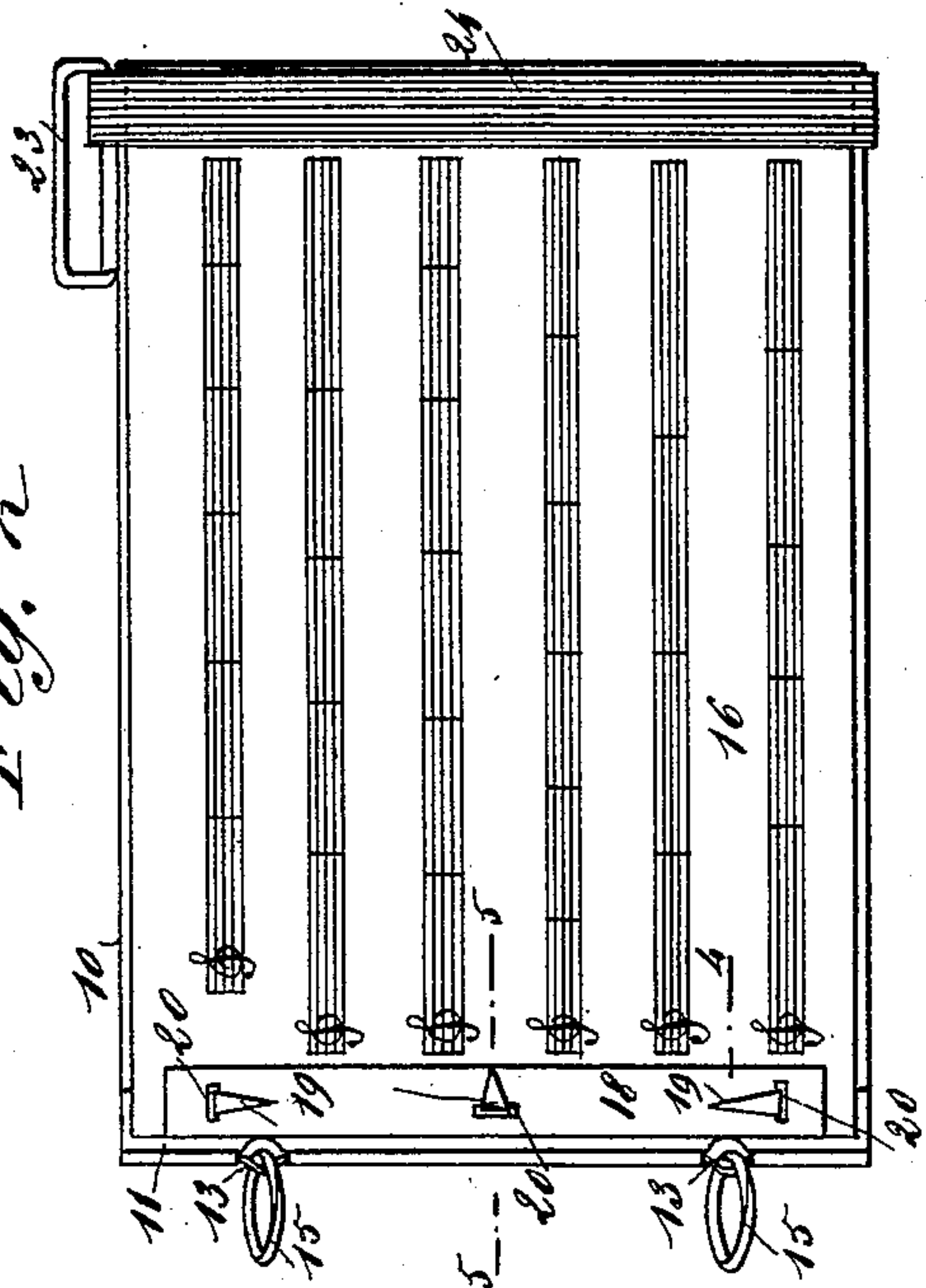


Fig. 1

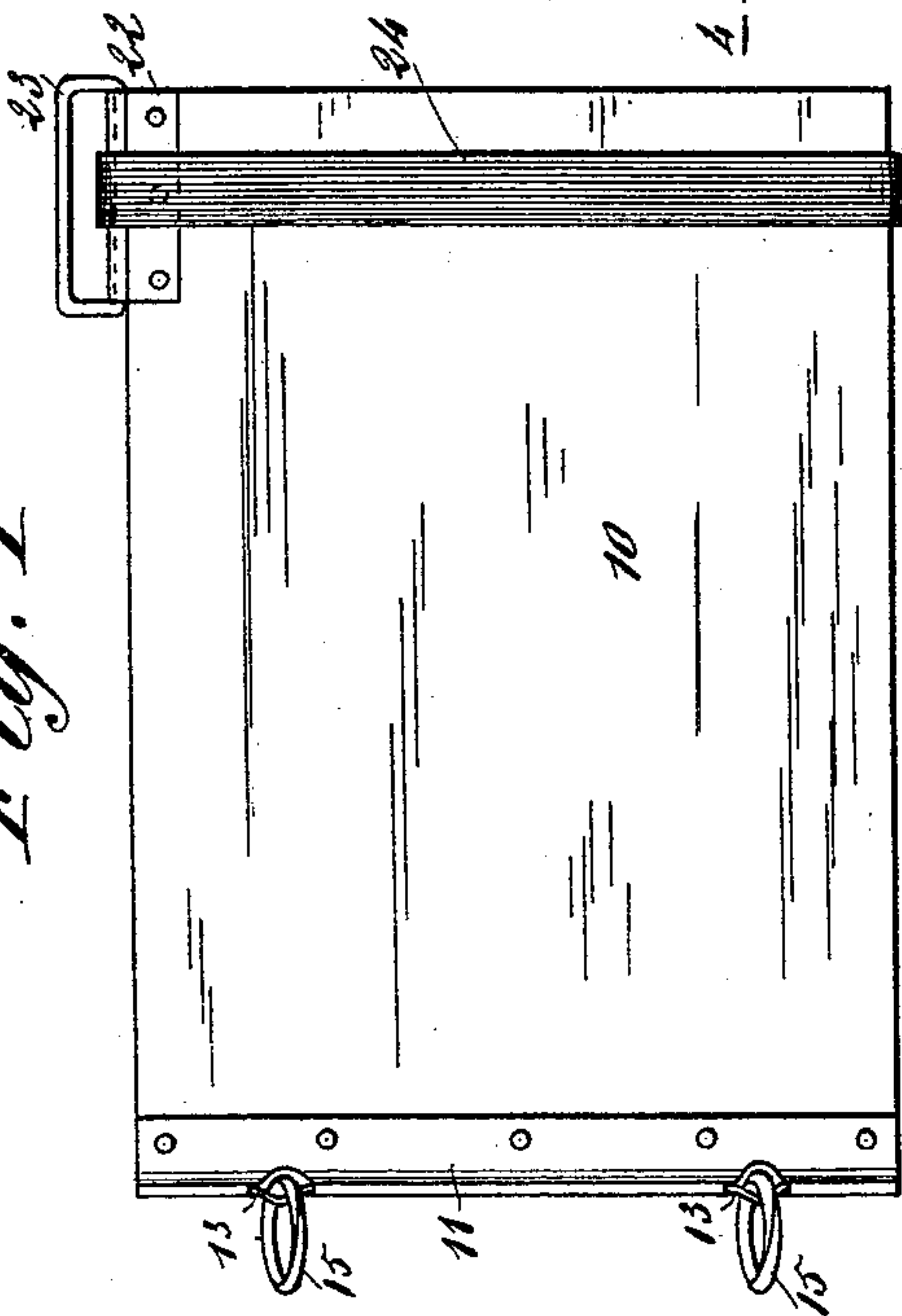


Fig. 4

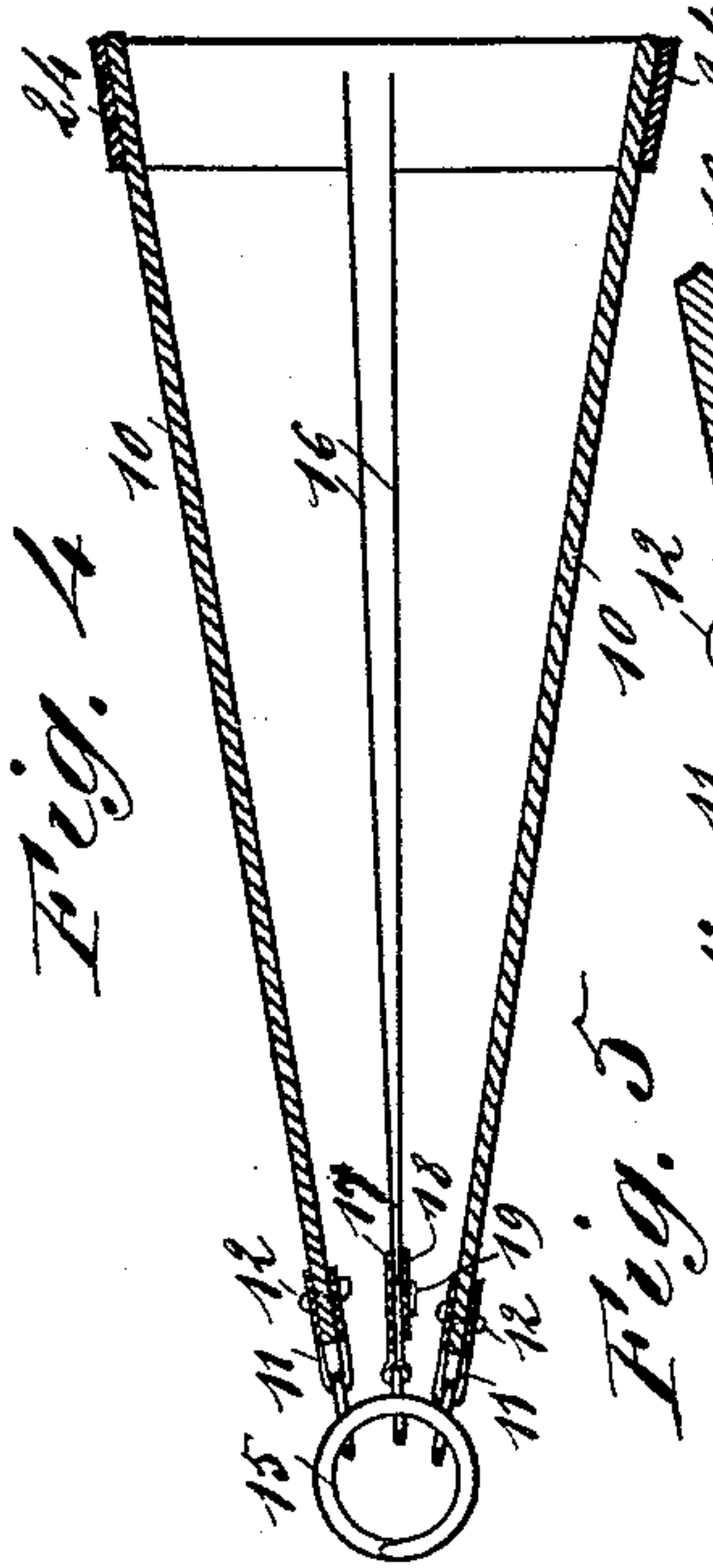


Fig. 5

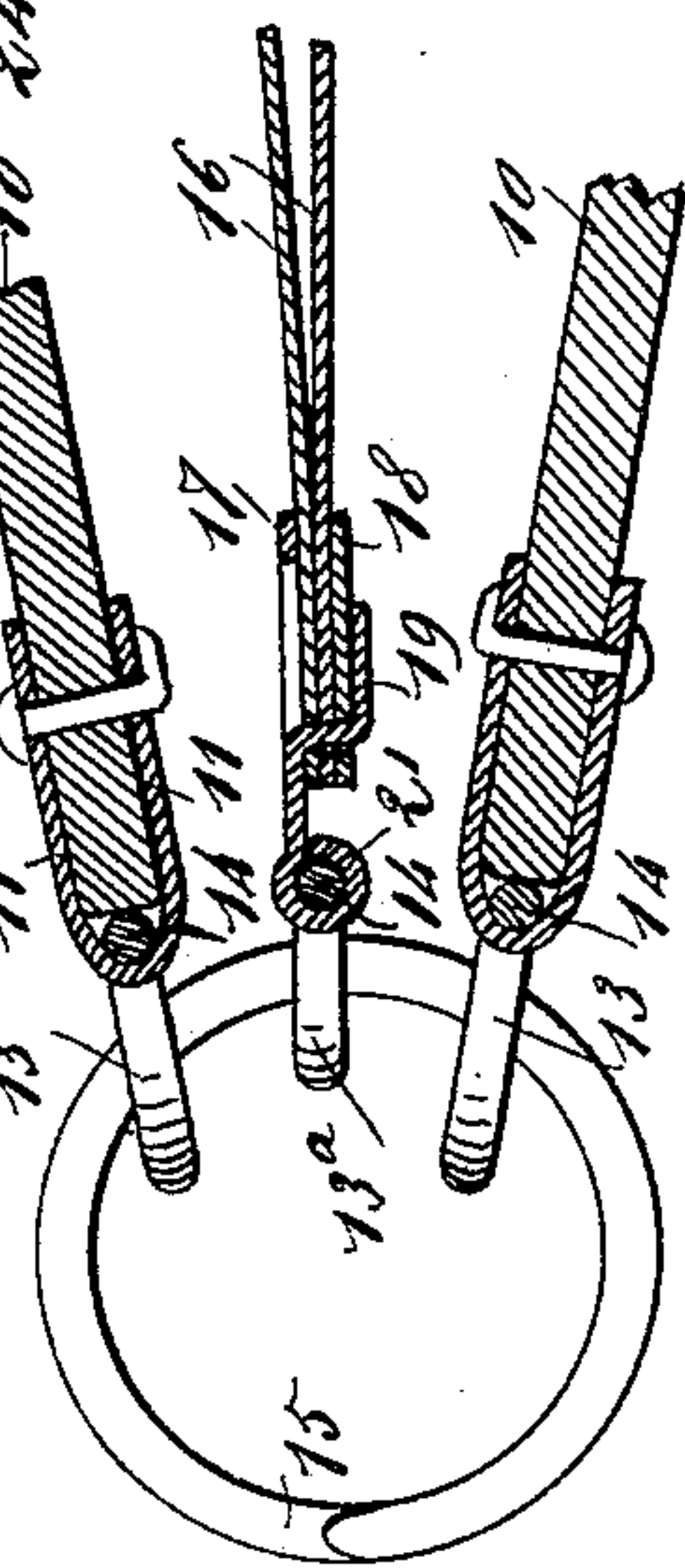
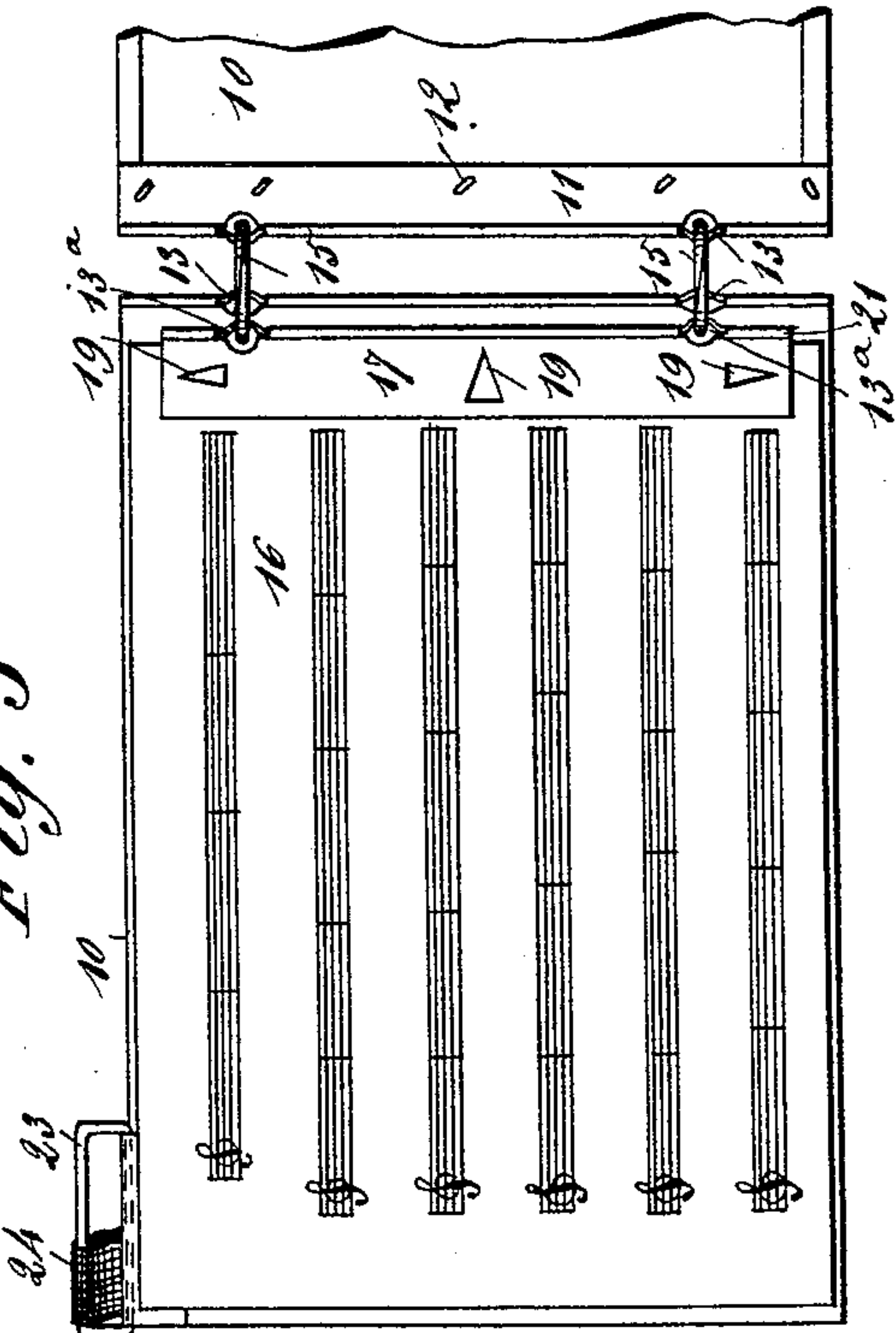


Fig. 3



WITNESSES:

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WILLIAM H. AYRES, OF SACKETT'S HARBOR, NEW YORK.

MUSIC BOOK OR FOLIO.

SPECIFICATION forming part of Letters Patent No. 495,870, dated April 18, 1893.

Application filed August 18, 1892. Serial No. 443,368. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. AYRES, of Sackett's Harbor, in the county of Jefferson and State of New York, have invented a new and Improved Music Book or Folio, of which the following is a full, clear, and exact description.

My invention relates to improvements in that class of music books or folios which are adapted to be supported upon portable music racks; and the object of my invention is to produce a cheap, simple, and strong book or folio which is constructed without the use of mucilage, glue, or other adhesive substances which are likely to give way, which is adapted to be folded with its covers back to back and held in position for convenient use, which has means for fastening the several leaves or sheets so that none of the music will be hidden either by the rack or the fastener, which has its sheets or leaves attached so that they cannot possibly give way under any ordinary usage, which is constructed so that any desired number of sheets or leaves may be quickly and strongly fastened in place, and which in general is better adapted for ordinary use than the music books or folios generally employed.

To these ends my invention consists in certain features of construction and combinations of parts, which will be hereinafter described and claimed.

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

Figure 1 is a plan view of the closed book or folio. Fig. 2 is a plan with the book opened and the covers folded back to back and fastened in place. Fig. 3 is a broken plan of the opened book. Fig. 4 is a longitudinal section on the line 4—4 in Fig. 2, and with the covers partially opened; and Fig. 5 is a broken sectional plan on the line 5—5 in Fig. 2, and with the parts very much enlarged to clearly show the construction.

The book or folio is provided with the usual covers 10 of board or other suitable material, and these have at their meeting ends strips 50 of metallic binding 11, each strip being doubled over the edge of the board, as shown clearly in Fig. 5, and the binding strips are

fastened by rivets 12 or other suitable fastenings. Near opposite end portions of the strips 11 and on the edges of the same are eyes 13 55 which are preferably formed of wires 14, held in the loops of the strips 11, although the eyes may be produced in any convenient way, and the eyes engage split rings 15 which are like the common key rings, and the rings serve as 60 hinges for the covers and enable the covers to be easily separated when necessary. The rings 15 also serve as means of attachment or hinges for the sheets of music 16 which are held between the covers in the usual way. 65

The sheets 16 of music have their binding ends held between metallic strips 17 and 18, and on the strip 17 are produced prods or prongs 19 which are formed by striking them from the body of the metal, and these prods 70 or prongs are adapted to be pushed through the material of the sheets 16 and through the slots 20 in the opposite strips 18, after which the prongs are doubled or bent over upon the strip 18, as shown in Figs. 2 and 5, and the 75 music sheets are thus securely fastened together. The strip 17 is made slightly wider than the strip 18 and is doubled over at one edge, as shown at 21, so as to hold in place a wire 14 like that already described, and the 80 wire is formed into eyes 13^a at points near the end portions of the strip, and these eyes are adapted to engage the rings 15 which thus serve to hold them and the connected music sheets in place. Each two strips will bind two 85 sheets of music back to back, and with their printed sides outward; and any number of the strips may be used until the rings are full. It will be seen then that the strips and covers are all held together by a metallic binding, but 90 the connection is so loose that the covers may be easily placed back to back and the sheets may be folded upon either cover. On one of the covers near its free end and on one side edge, is secured a metallic strip 22 which carries a keeper 23, the length of the keeper being parallel with the cover. In this keeper is 95 secured an elastic band 24 which is adapted to be placed over the end portions of the covers 10 and the music sheets 16, thus binding 100 the free edges of the covers and sheets together. The keeper is longer than the band 24 is wide, so that the band may be adjusted longitudinally of the covers and made to fit

over the extreme end portions of the sheets 16 so as not to obscure the music, and the band may also be made to hold the sheets even though they be very short.

5 From the foregoing description it will be seen that when the covers are folded back to back and the music sheets placed against either of them, the operation may be very easily and quickly performed without the least
10 danger of injuring the book or folio. It will also be seen that an ordinary rack may be attached to the back cover of the folio so as not to obscure the music sheets on the front side.

15 Any number of the strips may be filled with sheets of music and can be placed in the folio as desired, or changed at any time by removing one cover from the rings and adding or removing strips to or from the rings, where-
20 upon the cover may be replaced and the folio is complete.

It will be seen that if more music sheets are to be added or if those in use are to be replaced by others, it is only necessary to
25 straighten out the prongs 19, separate the strips 17 and 18, and attach the new music in the manner already described.

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

1. A music book or folio, comprising covers and sheets having eyes pivotally connected thereto, and split rings engaging the eyes, substantially as described.

35 2. A music book or folio, comprising covers

and sheets having binding strips at their inner ends and provided with eyes pivoted thereto by the said binding strips, and split rings engaging the eyes, substantially as described.

3. A music book or folio, comprising suitable covers having metallic strips at their binding edges, eyes held in the loops of the strips, split rings held to engage the eyes, music sheets having separable metallic binding strips at their inner ends, and eyes held in the loops of the binding strips of the sheets and adapted to engage the binding rings of the covers, substantially as described. 40 45

4. In a music book or folio, the combination 50 with the leaves, of binding strips of unequal width, the wider strip having an eye pivoted thereto, one of the said strips being provided with prongs and the other with openings to receive the said prongs, substantially as herein 55 shown and described.

5. The combination with the covers and their connecting binding rings, of the music sheets held between the covers, the separable strips adapted to bind between them the ends 60 of the music sheets, a fastening device to secure the binding strips together, and eyes produced upon the edge of one of the strips and adapted to engage the binding rings, substantially as described.

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Witnesses:

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