



Date of Application, 12th May, 1894—Accepted, 7th July, 1894

COMPLETE SPECIFICATION.

Improvements in Perforated Tune Discs and Sheets for Mechanical Musical Instruments.

I, FRIEDRICH ADOLF RICHTER of Rudolstadt in the Principality of Schwarzburg-Rudolstadt, Germany, Manufacturer, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

5 Hitherto perforated cards or music discs or music sheets for mechanical musical instruments have been constructed in such a manner that they could be used for one kind of music only, either for striking steel reeds or tongues or for opening and closing valves of harmoniums or flute-stops.

10 The object of my invention consists in making the said cards or music discs or music sheets for double action so that one part of the disc or sheet may be capable of striking steel tongues whilst the other part of the same disc or sheet is capable of opening and closing valves or stops. By this means it is possible to apply at the same time different kinds of music in the same piece of music.

15 My invention will be fully understood by the accompanying drawing in which Figure 1 is a top view of a music disc and

Figure 2 a top view of a music sheet, both constructed according to my invention.

20 On that part of the disc Figure 1 or the sheet Figure 2, which is arranged for striking steel tongues the music signs form apertures *b* of equal size and the other portion of the disc or sheet which is arranged for opening and closing valves or stops, shows apertures *a* of such a length as is necessary for producing the desired length of tone.

25 The arrangement of the music signs can preferably be made so that the signs for the one kind of music run through the middle part of the track of signs as represented in Figure 2.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed I declare that what I claim is:—

30 1. Perforated cards or music discs or music sheets having the one part arranged for striking steel tongues and the other part arranged for opening and closing valves or stops so that two different kinds of music may be played at the same time by means of the same disc or sheet substantially as described.

35 2. In perforated cards or music discs or music sheets the arrangement of two kinds of music signs, the one kind forming apertures of equal size being destined for striking steel tongues and the other kind of music signs forming apertures of a length as necessary for producing the desired length of tone being destined for opening and closing valves or stops, substantially as described.

Dated this 12th day of May 1894.

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Fig. 1

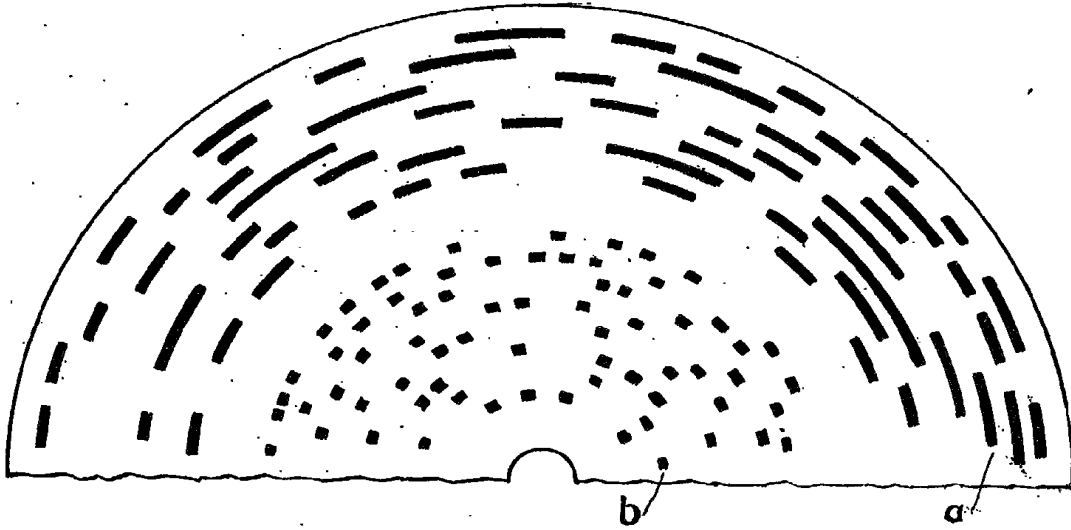
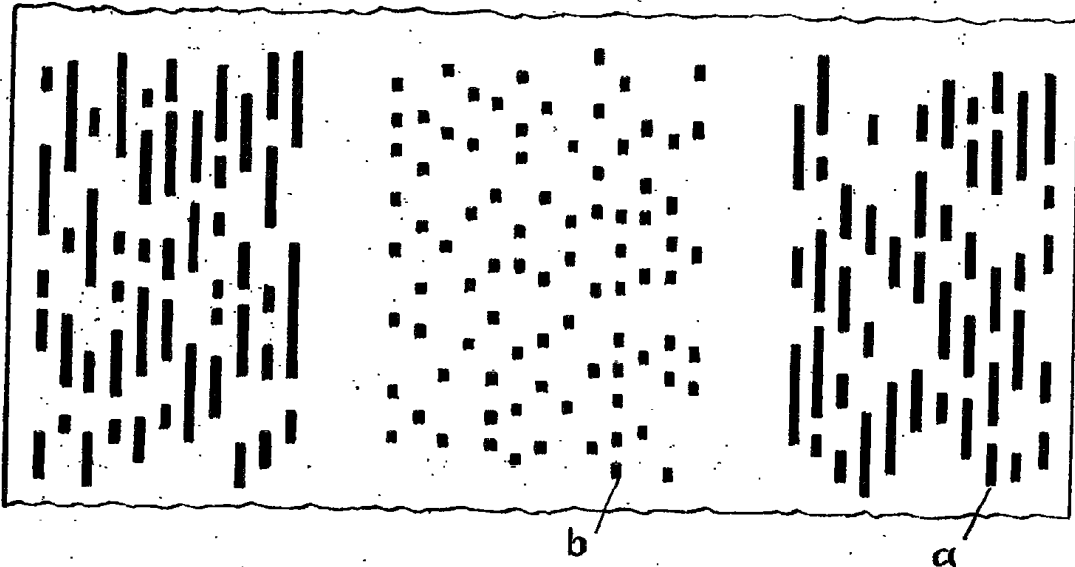


Fig. 2



[This Drawing is a reproduction of the Original on a reduced scale.]