

F. L. YOUNG,

PERFORATED MUSIC SHEET.
APPLICATION FILED APR. 22, 1909.

963,108.

Patented July 5, 1910.

Fig. 1.

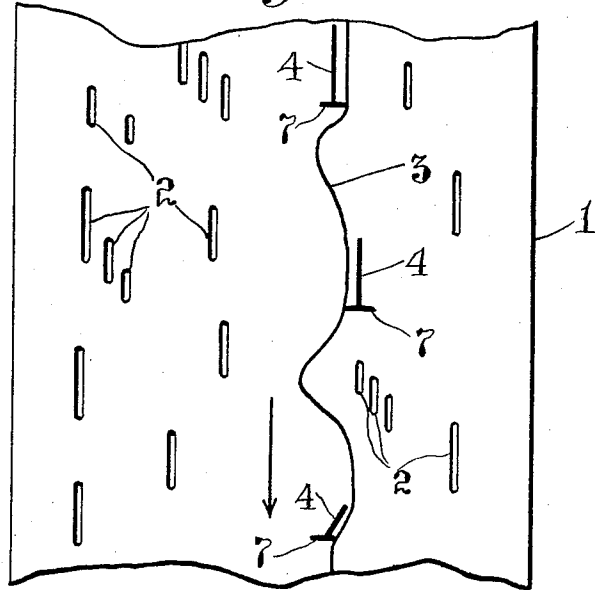
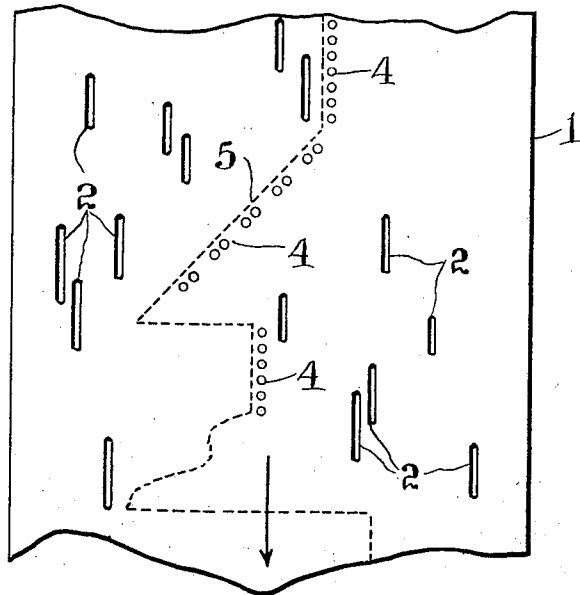


Fig. 2.



Attest:
B. S. Daniels

Inventor:
F. L. Young
by *Oscar F. Young* his Atty.

UNITED STATES PATENT OFFICE.

FRANCIS L. YOUNG, OF NEW YORK, N. Y., ASSIGNOR TO AEOLIAN COMPANY, OF NEW YORK, N. Y., A CORPORATION OF CONNECTICUT.

PERFORATED MUSIC-SHEET.

963,108.

Specification of Letters Patent.

Patented July 5, 1910.

Application filed April 22, 1902. Serial No. 491,552.

To all whom it may concern:

Be it known that I, FRANCIS L. YOUNG, a citizen of the United States, and resident of the city of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Perforated Music-Sheets, of which the following is a specification.

This invention relates to improvements in perforated music sheets such as are used in connection with automatic pneumatic playing attachments for pianos, etc.

The object of my invention is to provide such a music sheet with indications or marks of instruction, so that the operator may know when to apply and when to release the forte or loud pedal, which instructions are so applied on the sheet as to permit the operator to follow them with his eye as they successively appear to view, without straining the eye while at the same time following and observing other lines or marks of instruction on the sheet.

In the accompanying drawings, in which like letters of reference indicate like parts in all of the figures: Figure 1 represents part of a perforated music sheet provided with a line which indicates the speed of playing and also such indicators showing when and where the forte pedal is to be applied and released. Fig. 2 is another sheet showing a slightly modified form.

The music sheet 1 is of conventional construction and is provided with note slots and perforations 2 and with a line 3 which for example indicates the tempo at which the piece is to be played and which is to be followed by a tempo lever or other tempo controlling device. Adjacent to this line, I provide short lines or marks 4 which indicate that when the beginning of such a line 4 reaches the tracker board the forte pedal shall be applied and when the end of such line leaves the tracker board the forte pedal shall be released. So as to determine precisely when the forte pedal is to be applied a transverse line 7 is produced at the forward end of the lines 4 and extends to the line 3. When this line 7 reaches the row of

ducts in the tracker the forte pedal is applied.

As shown in Fig. 2 the lines 4 may be composed of dots with greater or less breaks between the dots. Likewise as shown in Fig. 2 the line 3 may be replaced by a dotted line 5 which, for example, may indicate loudness of playing.

The lines 3 or 5 always indicate some musical effect which is to be produced by the player or operator, either in matter of speed or as to the force of the blow delivered or as to accenting and the lines 4 always indicate by their position and length when the forte pedal is to be applied, the length of time during which this forte pedal is to be maintained in operative position and when the same is to be released. By arranging the lines 4 close to and practically following the convolutions or configurations of the lines 3 or 5, indicating musical effects to be produced, the player can easily follow the instructions given by the lines 3 and 5 and at the same time the instructions given by the lines or indicators 4 without special strain on the eye and without being required to observe various parts of the perforated sheet at the same time.

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

1. A perforated music sheet provided with an indicating line extending substantially both lengthwise and transversely of the sheet to indicate effects to be produced in playing and additional independent indicating lines closely adjacent to said first mentioned line, said additional lines throughout their respective lengths being substantially parallel with said first mentioned line and said additional lines following each other successively, at greater or less intervals, along said first mentioned line and said additional lines serving to indicate musical effects differing from those indicated by said first mentioned line substantially as set forth.

2. A perforated music sheet provided with an indicating line extending substantially lengthwise of the sheet and also transversely

to the sheet, additional indicating lines adjacent to and substantially parallel with the first mentioned indicating line and a transverse line at the beginning of each additional
5 indicating line said transverse line extending to the first mentioned indicating line, substantially as set forth.

Signed at New York city, in the county of New York and State of New York this 20 day of April A. D. 1909.

FRANCIS L. YOUNG.

Witnesses:

B. M. STULZ,
OSCAR S. GUNZ.