

No. 621,372.

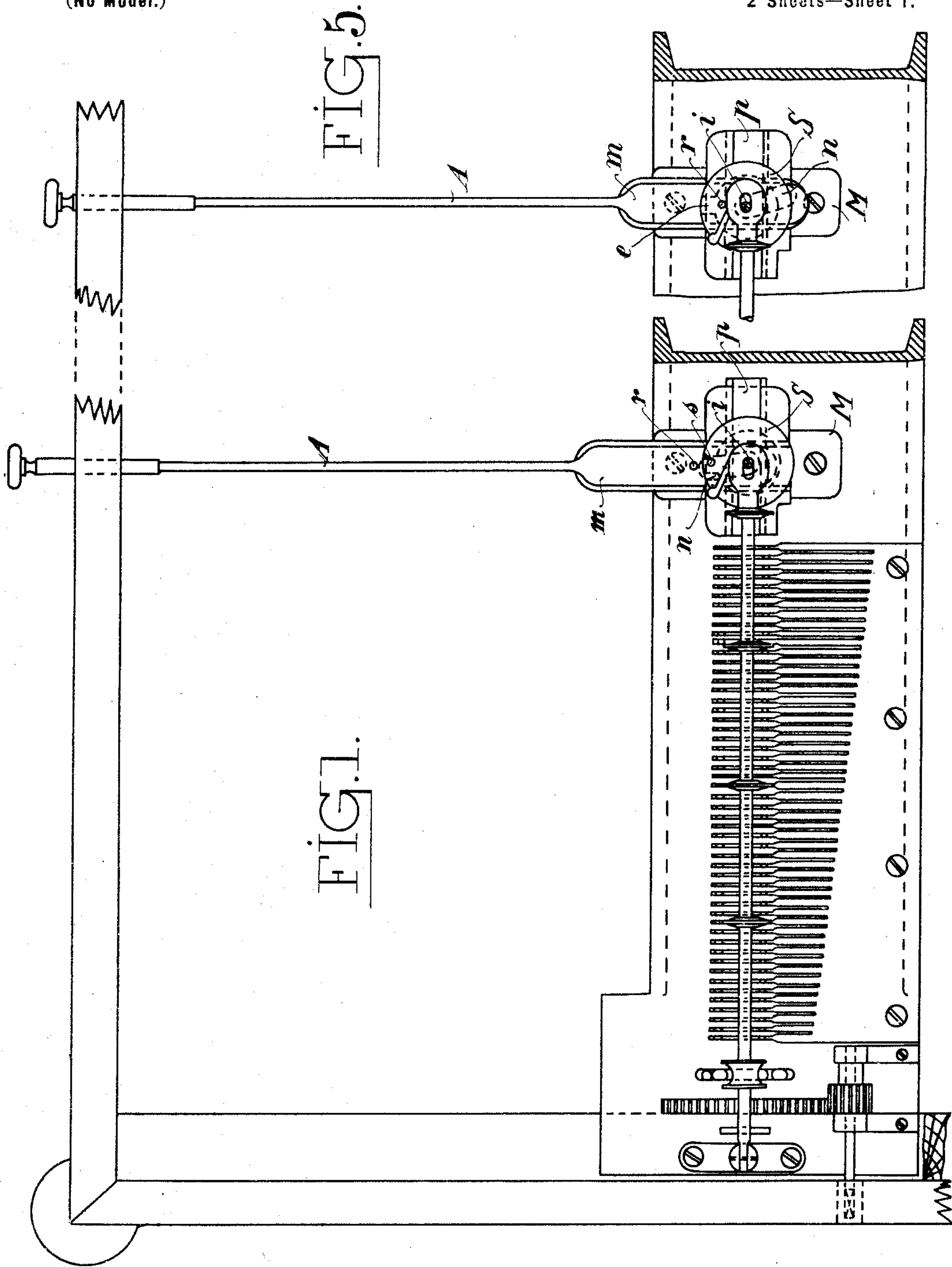
Patented Mar. 21, 1899.

T. A. PLESSING.
MECHANICAL MUSICAL INSTRUMENT.

(Application filed Apr. 23, 1898.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses:
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Inventor:
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(No Model.)

2 Sheets—Sheet 2.

FIG. 3.

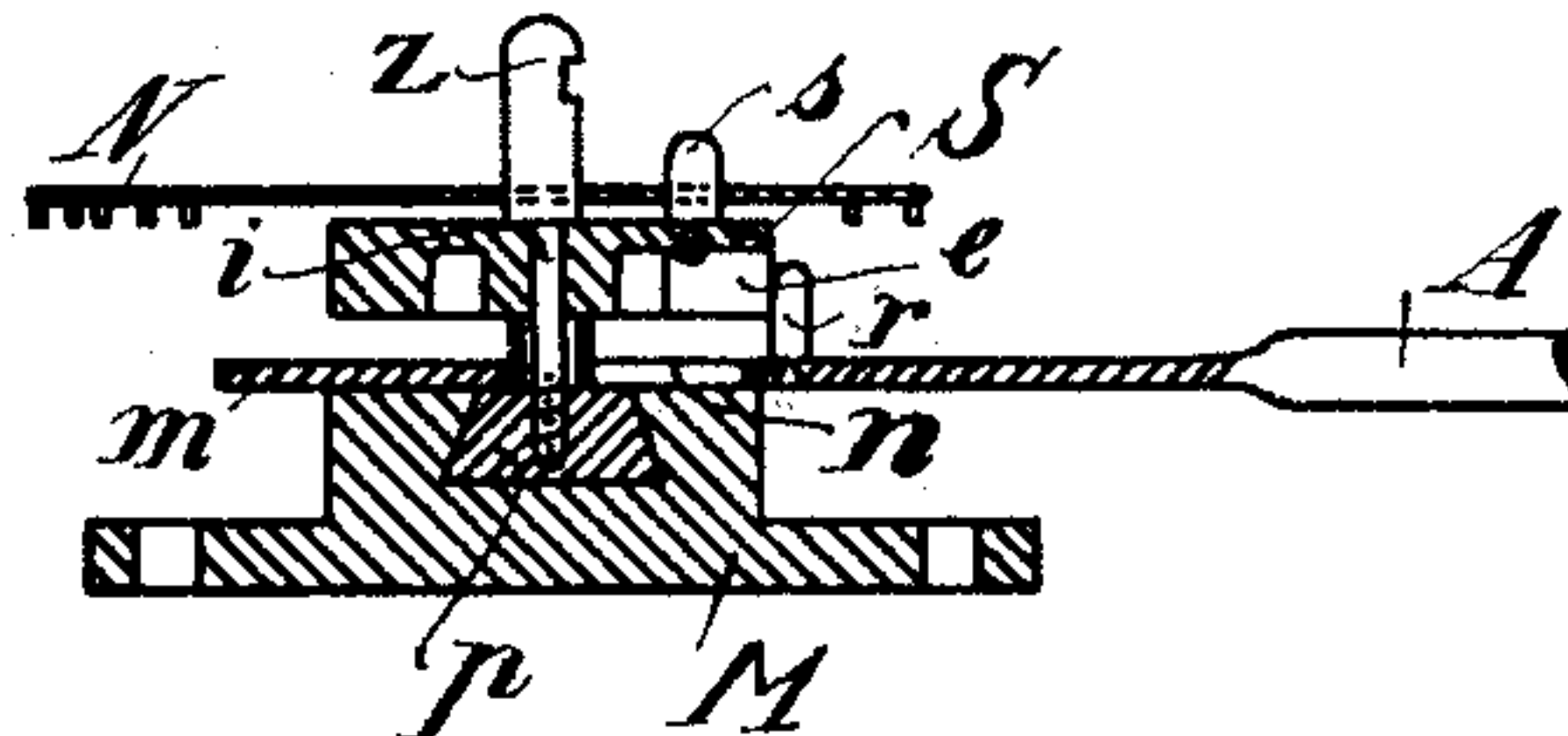


FIG. 4.

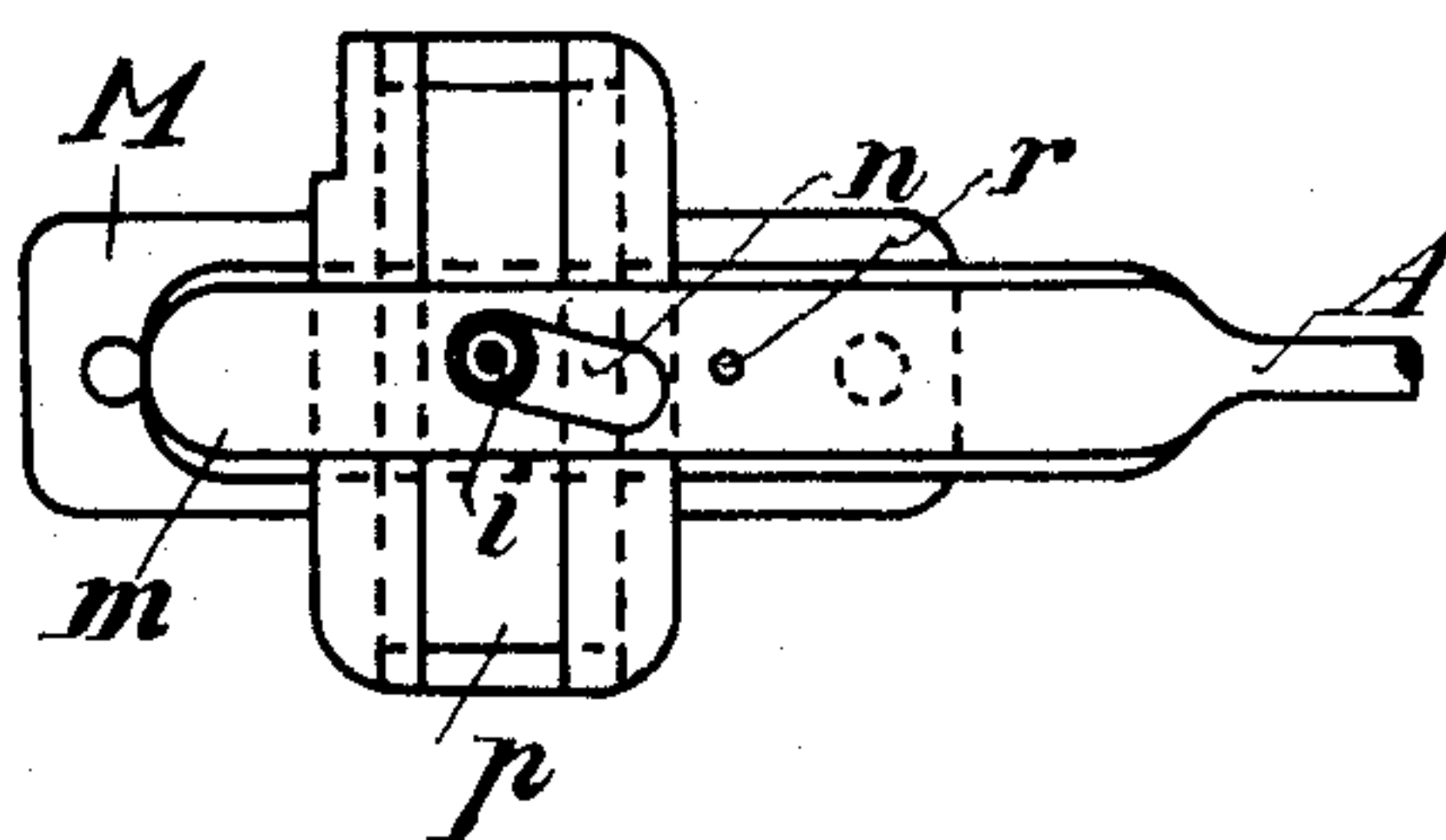
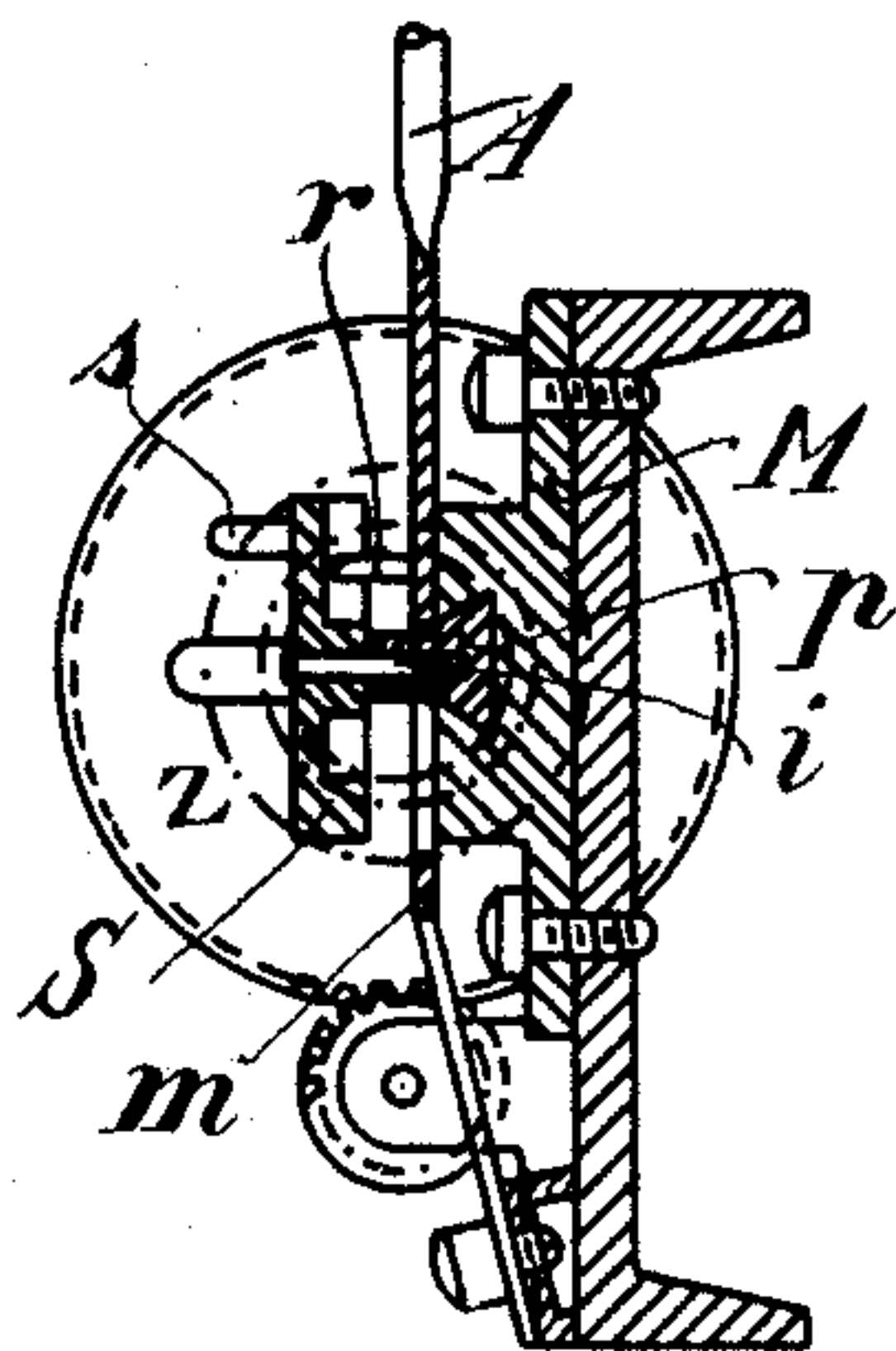


FIG. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

TRAUGOTT ALWIN PLESSING, OF LEIPSIC, GERMANY.

MECHANICAL MUSICAL INSTRUMENT.

SPECIFICATION forming part of Letters Patent No. 621,372, dated March 21, 1899.

Application filed April 23, 1898. Serial No. 678,610. (No model.)

To all whom it may concern:

Be it known that I, TRAUGOTT ALWIN PLESSING, a subject of the King of Saxony, and a resident of Leipsic, Kingdom of Saxony, Germany, have invented certain new and useful Improvements in Mechanical Musical Instruments, of which the following is a full, clear, and exact description.

The present invention consists of a device in connection with mechanical musical instruments with note disks or sheets having two tunes thereon, by means of which the said note-disk may be adjusted to play and repeat one or other of the said tunes at will without, as heretofore, the necessity of repeating the second tune before the first can be repeated.

In order to render the present specification more easily intelligible, reference is had to the accompanying drawings, in which similar letters of reference denote similar parts throughout the several views.

Figure 1 is a plan of the driving mechanism of a music-works; Fig. 2, a sectional elevation of the spindle carrying the note-disk; Fig. 3, a sectional elevation of the device for shifting the note-disk; Fig. 4, a sectional plan of Fig. 3, and Fig. 5 a similar plan showing the extension of the operating-lever for the note-disk.

The note-disk N is carried by the center-pin z and a supporting-disk S mounted loosely thereon and having a coupling-pin s . The center-pin z is extended downwardly, as at i , and fixed at its lower end into a sliding plate p , adapted to slide in the dovetail guide-plate M, upon the upper surface of which moves the flattened end m of the operating-lever A, the opposite end of said lever being guided in the casing of the instrument, as will be clearly seen from Fig. 5. The flattened end m of the lever A is provided with a slot n , which embraces an antifriction-sleeve on the part i of the pin z , so that when the said lever A is moved backward or forward the shoe or slide p and the pin z will be shifted laterally, as will be evident from the drawings. In order, however, to prevent a readjustment of the disk during the playing of one of the

tunes thereon, the supporting-disk S is provided with a downwardly-turned rim having a notch e cut therein, and the lever A m has an upwardly-extending pin r , adapted to pass through said notch behind the rim when the lever A is shifted. Thus it will be impossible to shift the lever if the notch is not in position to receive the pin r . The notch is arranged at the end of the tune on the disk, so that the tune can only be changed when the one before has been played out.

It is hardly necessary to explain that the invention relates to that class of note-disks having two tunes thereon and in connection with which the tune is changed by shifting the center of the note-disk as regards the music-works.

I claim as my invention—

1. In a mechanical music-works having a note-disk-supporting disk and center-pin whereon said note-disk is centered, the combination of a slide p to support said pin, a shifting-bar A m having slot to embrace said pin and adapted to shift the same when the said lever is moved longitudinally substantially as described.

2. In a mechanical music-works having a note-disk with several note characters representing tunes, a center-pin on which said disk is centered a disk supporting and operating disk to carry said note-disk, the combination of a laterally-movable slide, means for guiding the same, said slide being adapted to carry said center-pin and a shifting-bar having slot to embrace and operate said pin, a downwardly-turned rim to said supporting-disk having a notch therein, corresponding in position to the end of note characters representing the tune, and an upwardly-extending pin in said operating-lever to pass behind said rim through the slot substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

TRAUGOTT ALWIN PLESSING.

Witnesses:

HANS TACK,
RUDOLPH FRICKE.