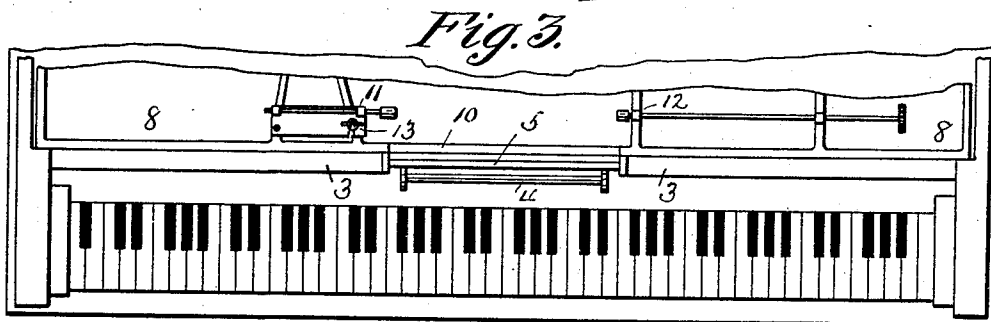
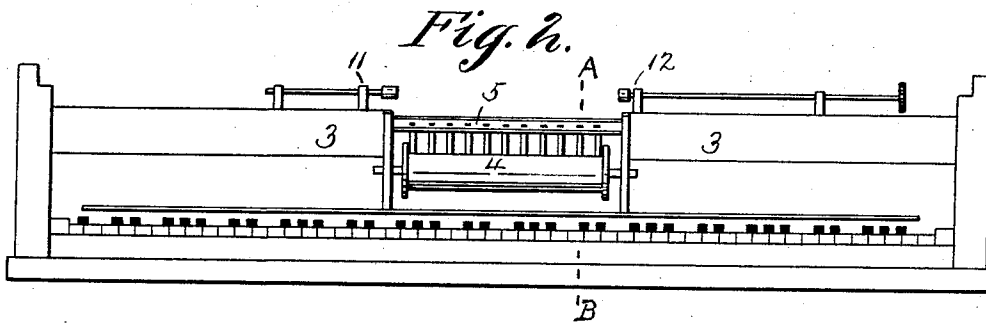
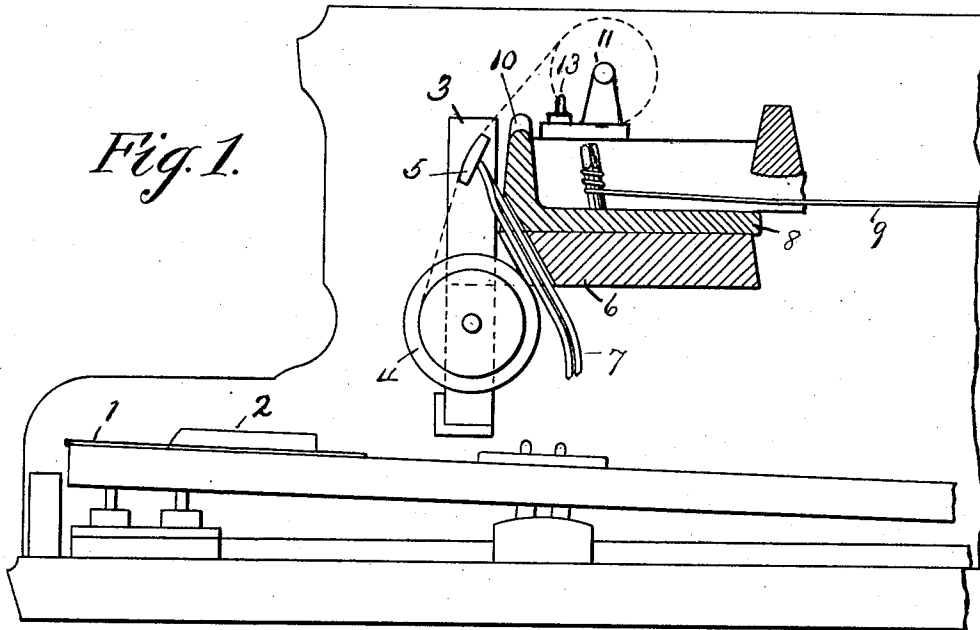


R. A. GALLY.  
MUSICAL INSTRUMENT ROLL PARTS.  
APPLICATION FILED DEC. 21, 1912.

1,065,602.

Patented June 24, 1913.



*Witnesses:*

*L. J. Zeller.*  
*J. H. Macy.*

*Inventor:*

*Robt. A. Gally*

# UNITED STATES PATENT OFFICE.

ROBERT A. GALLY, OF CINCINNATI, OHIO, ASSIGNOR TO THE BALDWIN COMPANY, OF CINCINNATI, OHIO.

## MUSICAL-INSTRUMENT ROLL PARTS.

1,065,602.

Specification of Letters Patent.

Patented June 24, 1913.

Application filed December 21, 1912. Serial No. 737,959.

*To all whom it may concern:*

Be it known that I, ROBERT A. GALLY, a citizen of the United States, residing at Cincinnati, in the county of Hamilton, State of Ohio, have invented certain new and useful Improvements in Musical-Instrument Roll Parts, of which the following is a specification.

Previous endeavors in positioning of tracker bars and rolls in musical instruments having a keyboard and self-playing devices where there is a limited space for such bars and rolls, and that space immediately above the keys, as in grand pianos and the like, have necessitated the elongating or raising of the interior space of the case of the instrument, while the present invention avoids such enlargement, and places the tracker bar and rolls in most convenient position for sight and reach.

In the drawings, Figure 1 is a section taken across the middle of the apparatus, viewed from right end, at line A, B, of fig. 2, which Fig. 2 is a front view of the same structure; Fig. 3 being a plan of same. The keyboard shown has the usual "natural" and "sharp" keys, 1 and 2, the sharp

being higher at their front parts than natural keys 1. Lying lengthwise of the row of keys 1 and 2, and a moderate distance above them, is a so-called front rail 3. The space between the keys 1, 2, and rail 3 not being sufficient to contain a take-up roller as 4 in best position, the middle part of said rail 3 is cut away to make room for a portion of said roller 4. This cut-away place enables the positioning of the tracker bar 5 within it, and even entirely rearward of the front line of rail 3 as shown in Fig. 1. To aid the positioning of roller 4 and tracker bar 5, the wrest plank 6 is also cut away at its middle front portion, also allowing an easy passing of the tubes 7 of the tracker bar 5 to clear the rear of roller 4. The metal plate 8 which supports the sound producing strings 9, being positioned with its front part on the wrest-plank 6 close to the rear edge of front rail 3, its front edge is preferably slanted away at its lower part for the same length as the cut-away portion of the rail 3 and wrest-plank 6, thus giving still more clearance for the tubes 7 of tracker bar 5. Plate also has a cut-away 10 at top of front edge, to clear music sheets.

To have the bearings 11 and 12 for the

removable music roll so placed as to avoid enlargement of case, said bearings 11 and 12 are positioned above the wrest-plank 6 and metal plate 8, and preferably attached to said metal plate 8. Such attachment of the bearing as 11, may be made so the bearing is movable, as by wing nut 13, whereby the bearing may be moved aside or entirely removed for clear space when tuning.

Many modifications of this invention may be made and yet be subject to what I claim as my invention.

### Claims:

1. A manual keyboard of a musical instrument having the front part of some of its keys higher than others; a wrest-plank and a front rail above said keys rearward of said high front parts of said keys, said wrest-plank and rail being adjacent to each other, and said rail having a cut-away part midway its front; and a take-up roller positioned partly within and partly below said cut-away part of said rail.

2. A manual keyboard of a musical instrument having the front part of some of its keys higher than others; a wrest plank and a front rail above said keys rearward of said high front parts of said keys, and having a cut-away part midway their fronts; and a take-up roller positioned partly within and partly below said cut-away parts.

3. A manual keyboard of a musical instrument having the front part of some of its keys higher than others; a wrest-plank and a front rail above said keys rearward of said high front parts of said keys, said wrest-plank and rail being adjacent to each other, and said rail having a cut-away part midway its front; and a tracker bar positioned within said cut-away part of said rail.

4. A manual keyboard of a musical instrument having the front part of some of its keys higher than others; a wrest plank and a front rail above said keys rearward of said high front parts of said keys and having a cutaway part midway their fronts; and a tracker bar having tubes thereto; said tracker bar positioned in said cutaway part of said rail, and said tubes extending through said cutaway part of said wrest plank.

5. A manual keyboard of a musical instrument having the front part of some of its keys higher than others; a wrest plank and

front rail above said keys rearward of said high front parts of said keys, and having a cutaway part midway their fronts, a string supporting plate on top said wrest-plank and immediately rearward of said rail and having its front part reduced rearwardly adjacent said cutaway parts; and a tracker bar having tubes thereto, said tracker bar positioned in said cutaway part of said rail, and said tubes extending through said cutaway part of said wrest plank and the rearwardly reduced space in said front part of said plate.

6. A manual keyboard of a musical instrument having the front part of some of its keys higher than others; a wrest plank and a front rail above said keys rearward of said high front parts of said keys and having a cutaway part midway their fronts; a tracker bar positioned in said cutaway part of said front rail; and a take-up roller positioned partly within said cutaway parts of both the wrest plank and front rail.

7. A manual keyboard of a musical instrument having the front part of some of its keys higher than others; a wrest plank and a front rail above said keys rearward of said high front parts of said keys and having a cutaway part midway their fronts; and a tracker bar having tubes thereto; said tracker bar positioned in said cutaway part of said rail, and said tubes extending through said cutaway part of said wrest plank, and a take-up roller positioned partly within said cutaway parts of both the wrest plank and front rail and immediately in front of said tubes of the tracker bar.

8. A manual keyboard of a musical instrument having the front part of some of its keys higher than others; a wrest-plank and a front rail above said keys rearward of said high front parts of said keys, said wrest-plank and rail being adjacent to each other, and said rail having a cutaway part midway its front; and a take-up roller positioned partly within and partly below said cutaway part of said rail, and music-spool bearings rearward of said rail.

9. A manual keyboard of a musical instrument having the front part of some of its keys higher than others; a wrest plank and a front rail above said keys rearward of said high parts of said keys, and having a cutaway part midway their fronts; and a take-up roller positioned partly within and partly below said cutaway parts, and music-spool bearings above said wrest plank and rearward of said rail.

10. A manual keyboard of a musical instrument having the front part of some of its keys higher than others; a wrest plank and a front rail above said keys rearward of said high front parts of said keys, and having a cutaway part midway their fronts; and a take-up roller positioned partly with-

in and partly below said cutaway parts, a string-supporting plate on top said wrest plank, and music spool bearings in operative position above said plate and wrest plank and rearward of said rail.

11. A manual keyboard of a musical instrument having the front part of some of its keys higher than others; a wrest-plank and a front rail above said keys rearward of said high front parts of said keys, said wrest-plank and rail being adjacent to each other, and said rail having a cutaway part midway its front; and a tracker bar positioned within said cutaway part of said rail, and music-spool bearings in operative position rearward of said rail.

12. A manual keyboard of a musical instrument having the front part of some of its keys higher than others; a wrest plank and a front rail above said keys rearward of said high front parts of said keys and having a cutaway part midway their fronts; a tracker bar positioned in said cutaway part of said front rail; and a take-up roller positioned partly within said cutaway parts of both the wrest plank and front rail, and music-spool bearings in operative position above said wrest plank and rearward of said front rail.

13. A manual keyboard of a musical instrument having the front part of some of its keys higher than others; a wrest plank and a front rail above said keys rearward of said high front parts of said keys, and having a cutaway part midway their fronts; and a take-up roller positioned partly within and partly below said cutaway parts, a string supporting plate on top said wrest plank, and a music-spool bearing in operative position above said plate and wrest plank and rearward of said rail, said bearing attached to said plate.

14. A manual keyboard of a musical instrument having the front part of some of its keys higher than others; a wrest plank and a front rail above said keys rearward of said high front parts of said keys, and having a cutaway part midway their fronts; and a take-up roller positioned partly within and partly below said cutaway parts, a string-supporting plate on top said wrest plank, and a music-spool bearing in operative position above said plate and wrest plank and rearward of said rail, said bearing being movably attached to said plate.

15. A manual keyboard on a musical instrument having the front part of some of its keys higher than others; a wrest plank and a front rail above said keys rearward of said high front parts of said keys, and having a cutaway part midway their fronts; and a take-up roller positioned partly within and partly below said cutaway parts, a string-supporting plate on top said wrest plank, and a music-spool bearing in oper-

active position above said plate and wrest plank and rearward of said rail, said bearing being removably attached to said plate.

16. A manual keyboard of a musical instrument having the front part of some of its keys higher than others; a wrest plank and a front rail above said keys rearward of said high front parts of said keys, and having a cutaway part midway their fronts; and a take-up roller positioned partly within and partly below said cutaway parts, a string-supporting plate on top said wrest plank, and music-spool bearings in operative position above said plate and wrest plank and rearward of said rail, said plate having its upper front edge cut away midway its front, rearward of the cutaway part of the front rail.

17. A manual keyboard of a musical instrument having the front part of some of its keys higher than others; a wrest plank and a front rail above said keys rearward of said high front parts of said keys, and having a cutaway part midway their fronts; and a take-up roller positioned partly within and partly below said cutaway part, a

tracker bar within the cutaway part of said front rail, a string-supporting plate on top said wrest plank, and music-spool bearings in operative position above said plate and wrest plank and rearward of said rail, said plate having its upper front edge cut away midway its front rearward of the cutaway part of the front rail.

18. A manual keyboard of a musical instrument having the front part of some of its keys higher than others; a wrest plank and a front rail above said keys rearward of said high front parts of said keys, and having a cutaway part midway the front of said rail, a tracker bar positioned within said cutaway part of said rail, a string-supporting plate on top said wrest plank, and music-spool bearings in operative position above said plate and wrest plank and rearward of said rail, said plate having its upper front edge cut away midway its front rearward and cutaway part of the front rail.

ROBT. A. GALLY.

Witnesses:

J. W. MACY,  
LUCIEN WULSIN.

It is hereby certified that in Letters Patent No. 1,065,602, granted June 24, 1913, upon the application of Robert A. Gally, of Cincinnati, Ohio, for an improvement in "Musical-Instrument Roll Parts," errors appear in the printed specification requiring correction as follows: Page 1, line 75, for the compound word "sut-away" read *cut-away*; page 2, line 121, for the word "on" read *of*; page 3, line 48, for the word "and" read *the*; and that the said Letters Patent should be read with these corrections therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 26th day of August, A. D., 1913.

[SEAL.]

THOMAS EWING,

*Commissioner of Patents.*

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Signed and sealed this 26th day of August, A. D., 1913.

[SEAL.]

THOMAS EWING,

*Commissioner of Patents.*