

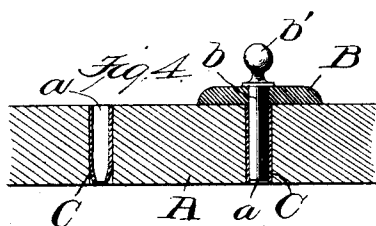
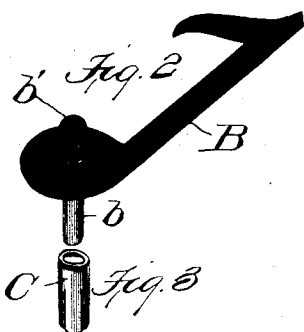
(No Model.)

ANNIE L. PALMER & ALBERT L. PALMER.
MUSIC CHART.

No. 539,539.

Patented May 21, 1895.

Fig. 1.



Witnesses
J. R. Cornwall
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His atty.

UNITED STATES PATENT OFFICE.

ANNIE L. PALMER AND ALBERT L. PALMER, OF ST. LOUIS, MISSOURI.

MUSIC-CHART.

SPECIFICATION forming part of Letters Patent No. 539,539, dated May 21, 1895.

Application filed January 22, 1895, Serial No. 535,760. (No model.)

To all whom it may concern:

Be it known that we, ANNIE L. PALMER and ALBERT L. PALMER, citizens of the United States, and residents of the city of St. Louis, State of Missouri, have invented a certain new and useful Improvement in Music-Charts, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification, wherein—

Figure 1 is a side elevational view of our improved chart. Fig. 2 is a detail view of one of the characters detached. Fig. 3 is a detail of one of the spring-pockets. Fig. 4 is a sectional view illustrating the manner of attaching the characters.

This invention relates to a new and useful improvement in music charts, and consists in the construction, arrangement, and combination of the several parts comprising the chart, all as will hereinafter be described and afterward pointed out in the claims.

In the drawings, A indicates the base board, which is preferably painted white, and ruled with the black staff lines as shown. This base board is provided with openings *a* at intervals apart, and preferably in vertical alignment, on and between the staff lines, and above and below said lines.

B indicates detachable characters or symbols which are adapted to be attached to the chart, by means of studs *b* projecting from their under sides, which studs are received in the openings of the base board. These studs are preferably formed independent of the characters, and are provided with knobs *b'* at their upper ends. When the stud is inserted in an opening in the character, solder is preferably applied, to form a bond between the parts.

In the openings in the base board, we insert metal pockets or sleeves C (see Fig. 3) which are preferably made of spring brass tubing, cut to the required length, and sawed or slitted at one end, the independently movable sections so formed being bent inwardly so as to reduce the diameter of the opening in the pocket or sleeve at its lower end. When the studs *b* are inserted in these pockets, the contracted walls thereof, by their resiliency, spread, but exert a binding or grasping tendency upon the stud, which holds the same and its character in any adjusted position. This

retention of the characters in an adjusted position, is important, as it reduces the number of characters necessary to write a given line, or piece of music, as many of the characters, may be inverted or the positions thereof transposed, such, as utilizing one character for a whole or a half rest, by arranging it above or below the line, or arranging a slur to include a number of notes.

We have not illustrated all the musical notations which we intend to use, as they are too numerous, but it will be seen from the few illustrated, that all characters may be employed. Whole notes will preferably have a white center and a black margin. Half notes will be the same, with the exception of a black stem. Quarter notes will be entirely black. Eighth notes, sixteenth notes, &c., will also be black having on their stems their peculiar marks of valuation.

Having thus described our invention, what we claim, and desire to secure by Letters Patent of the United States, is—

1. The combination with a base-board which is formed or provided with holes or perforations, sleeves in said holes or perforations, which sleeves are so constructed as to form yielding, contracted openings, characters or symbols, and stems on said characters or symbols which are adapted to be inserted in the sleeves in the base-board to hold the characters or symbols in rotatably adjusted positions on the base-board; substantially as described.

2. The combination with a base board formed with holes or perforations, of metallic pockets or sleeves which are fitted in said holes, one end of said pockets being slitted or sawed and such sawed ends being bent inwardly to form a contracted opening, and a rotatably adjustable character or symbol which is provided with a stem adapted to fit in said pocket and be held in an adjusted position by the contracted walls of said pocket, substantially as described.

In testimony whereof we affix our signatures, in presence of two witnesses, this 15th day of January, 1895.

ANNIE L. PALMER.
ALBERT L. PALMER.

Witnesses:

WILLIAM FAIRLEE,
P. H. LEVIN.