

E. E. MEADOWCROFT.
 STYLE BAR FOR PHONOGRAPHS.
 APPLICATION FILED SEPT. 3, 1909.

1,013,198.

Patented Jan. 2, 1912.

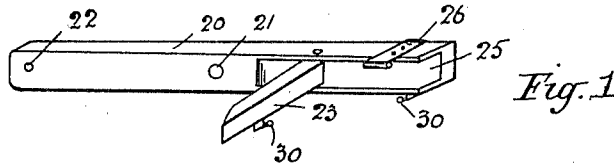


Fig. 1

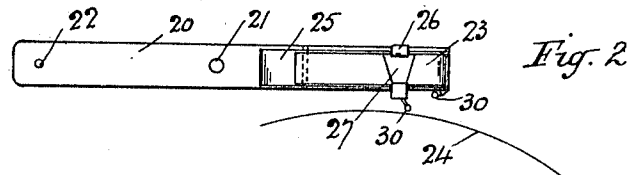


Fig. 2

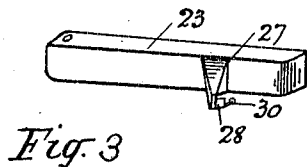


Fig. 3

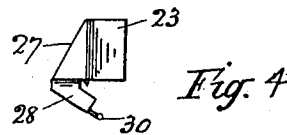


Fig. 4

WITNESSES:

H. A. Perrigan.
F. W. Hagan.

INVENTOR,
 EDWARD ERNEST MEADOWCROFT,
 by *Ivan Olden*
 Attorney.

UNITED STATES PATENT OFFICE.

EDWARD ERNEST MEADOWCROFT, OF HOBART, TASMANIA, AUSTRALIA.

STYLE-BAR FOR PHONOGRAPHS.

1,013,198.

Specification of Letters Patent.

Patented Jan. 2, 1912.

Application filed September 3, 1909. Serial No. 516,108.

To all whom it may concern:

Be it known that I, EDWARD ERNEST MEADOWCROFT, a subject of the King of Great Britain, residing at 121 Bathurst street, Hobart, Tasmania, Australia, have invented certain new and useful Improvements in Style-Bars for Phonographs, of which the following is a specification.

This invention has been devised for the purpose of utilizing two styles on the same style bar in phonographs and like machines, so that it may be possible to play ordinary two minute and also the long four minute records without altering the bar except to bring the required style into contact with the record.

Referring to the accompanying drawings, Figure 1 is a perspective view of the style bar, according to the present invention, showing an additional style bar attached thereto and in open, inoperative position. Fig. 2 is a side elevation of the same showing the additional style bar in closed operative position. Fig. 3 is a perspective view of the additional style bar, detached, and Fig. 4 is an end view of the same.

In operation, the style-bar 20 is fulcrumed at 21 and connected with the reproducer at 22. In order to provide for a second style upon the main bar, I hinge or otherwise movably connect thereto an additional style bar 23 and adapt it to be brought into, or thrown out of touch with the record 24, as desired. One style is upon the bar 20 and another upon the additional bar 23. When not in use, the latter is swung out away from 20, but when the style upon 23 is to be used its bar is brought into the groove 25 in the bar 20 and locked therein by means of the flat spring 26.

To assist the spring in keeping the extra bar in the groove, the bar 23 is provided with a projecting member 27, the face of which inclines outward from the upper edge of the bar. The edge of the spring 26 finds a bed upon the inclined face of the projection 27 and when it is necessary to pull the bar 23 away from bar 20, the inclined face of 27 will assist in effecting the release of the spring. The member 27 is also provided with a tail piece 28 which carries the extra style.

By means of the slot or recess 25 and the spring 26 the extra style bar 23 will be securely and effectively housed during action. The groove 25 should be such as to insure that the bar 23 shall comfortably fit therein without being free to move loosely.

In applying the invention to the different machines it may be necessary to somewhat modify the arrangement of parts to suit the smaller construction but this may be done without departing from the spirit and scope of the invention as claimed.

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

1. In a talking machine of the class indicated, in combination, a main style bar, a style thereon, an additional bar carrying a second style and hinged to the main bar and capable of being closed in upon said main part to constitute one bar and means for locking said additional bar to said main bar, for the purpose explained.

2. In a talking machine of the class indicated, in combination, a main style bar in which is a deep longitudinal groove, an additional style bar hinged to the main bar and capable of reposing in said groove, and a flat steel spring secured to and overlapping the main bar transversely and extending over the edge of the additional bar when the latter is housed in the groove, as described.

3. In a talking machine of the class indicated, in combination, a main style bar that has a deep longitudinal groove in one of its sides, a style on the main bar, an additional bar carrying an extra style and hinged to the first and adapted to come into the groove, a projecting member on said additional bar the face of which inclines from the upper edge of said bar and a flat spring transversely disposed on and projecting from the principal bar and which is adapted to engage upon said inclined face, as set forth.

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

EDWARD ERNEST MEADOWCROFT.

Witnesses:

I. B. POOCK,
H. C. TAPPING.