

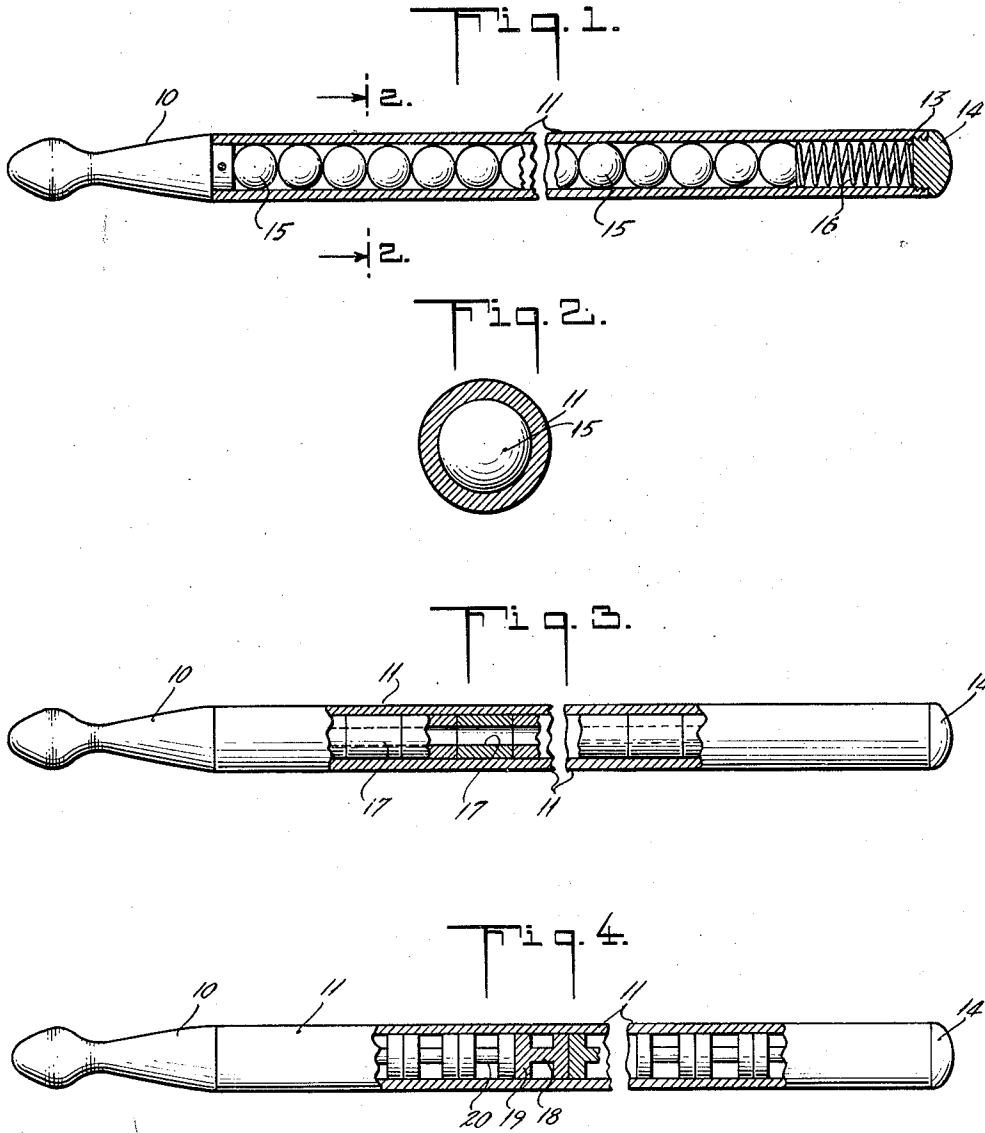
Sept. 5, 1950

M. BRAMSON

2,521,336

DRUMSTICK

Filed May 10, 1946



INVENTOR
MAURICE BRAMSON

BY *John H. McCall*
ATTORNEY

UNITED STATES PATENT OFFICE

2,521,336

DRUMSTICK

Maurice Bramson, Brooklyn, N. Y.

Application May 10, 1946, Serial No. 668,811

1 Claim. (Cl. 84-422)

1

The present invention relates to drumsticks and is more particularly directed toward weighted drumsticks adapted for use by a drummer as a wrist exerciser or for playing.

The conventional drumstick has a handle and a drum striking tip at one end of the handle, and the weight, feel, and inertia of the usual drumstick depends upon its diameter, length, and the material from which it is made. In order that a drummer may exercise the wrists and develop the muscles of the forearm without actually playing the drum, it has been found desirable to use a stick simulating the drumstick as an exerciser, which can be handled much the same as the drumstick in playing the drums. The ordinary drumstick is not entirely suitable for such an exerciser as it does not create a sufficient reaction in the joints and muscles of the user.

The present invention contemplates that the drumstick will have a tubular handle adapted to carry a filler, the filler being made up of a number of elements replaceably received in the handle, and will be such as to cause a reaction in the user's arms whereby the muscles may be strengthened and the desired flexibility and suppleness of the wrists maintained.

Other and further objects will hereinafter appear as the description proceeds.

The accompanying drawings show, for purposes of illustrating the present invention, three embodiments in which the invention may take form, it being understood that the drawings are illustrative of the invention rather than limiting the same.

In these drawings:

Figure 1 is a longitudinal sectional view through an improved form of drumstick;

Figure 2 is a section on the line 2-2 of Figure 1; and

Figures 3 and 4 are views similar to Figure 1 illustrating modified forms of filler.

The drumstick has a drum striking tip 10 of conventional shape. This tip is securely carried on a tubular handle 11 either by being integral therewith or by joining together two parts. The handle may be made of any suitable drilled or tubular material and is here shown as being internally threaded at 13 to receive a cap 14. In external appearance the drumstick will appear the same as an ordinary drumstick.

In the form shown in Figure 1 the handle of the drumstick is filled by a number of balls 15 held against longitudinal movement in the handle by a compression spring 16. These balls may be made of various materials and have various weights so that the over-all weight of the filler can be varied.

Figure 3 illustrates filler elements 17 which are tubular and Figure 4 illustrates filler elements 18 which have large diameter ends 19 and smaller diameter mid portions 20. The filler elements

2

used at one time need not all be alike in weight, but should all be the same diameter so that they will not be loose in the handle. They may be made of graduated lengths, wall thicknesses and weight so that in any particular handle one can insert a number of the filler elements and as the filler elements have such variation in weight, the mass distribution lengthwise of the handle and the over-all weight of the drumstick can be varied through wide limits. Where desired the filler may be a single piece of material held in place by the cushion spring. In this way it is possible for the user to load the drumstick so that it may have a wide range of weight, as well as inertia effects when it is manipulated, and cause varying effects on the muscles of the operator, as well as in the playing of the instruments when it is used for the production of music.

Since it is obvious that the invention may be embodied in other forms and constructions within the scope of the claim, I wish it to be understood that the particular forms shown are but a few of these many forms, and various modifications and changes being possible, I do not otherwise limit myself in any way with respect thereto.

What is claimed is:

A drumstick comprising a smooth bore tube forming the dominant length of the stick, a striking tip fixedly secured to one end of the tube, a cap threadedly secured to the other end of the tube, and a preselected filler for the tube for securing correspondingly varied inertia effects of the drumstick when used for playing or for muscle exercise and comprising a series of filler elements of the same overall length inside the bore of the tube and a compression spring of uniform compressed length, the spring and filler elements being confined between the cap and tip so as to fill the tube, the filler elements being of uniform diameter to fit inside the tube and of selected mass so that the weight and position of the center of gravity of the drumstick may be varied in accordance with the character and distribution of filler elements.

MAURICE BRAMSON.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
275,627	Foster et al.	Apr. 10, 1883
807,493	Phillips	Dec. 19, 1905
861,158	Bucknum	July 23, 1907
897,201	Gannon	Aug. 25, 1908
1,130,355	Von Eschen	Mar. 2, 1915

FOREIGN PATENTS

Number	Country	Date
3,989	Australia	Dec. 10, 1931