

NEW PRODUCT PATENT APPLICATION
PRODUCT DESCRIPTION
HIGH IMPACT DRUM STICKS
FOR THE MUSIC INDUSTRY

June 4, 2002

It is my intention to describe a new product in the development and introduction of a new type of drum stick for the playing of percussive type impact musical products. This new type of stick can also be crafted in to a similarly styled striker to be used in the similar playing or creating of musical or rhythmic notes as they relate to music.

These sticks (so they shall be referred to) are very simple in design but utilize many special conventions in the construction and design of the over all shape, weight, materials and composition. These sticks shall be offered with numerous physical attributes to satisfy the physical or mechanical feel of the object in order to make it pleasing to the hand to use, while maximizing the physical effect that they have both esthetically and acoustically.

The stick consists of a hollow tube, fashioned in some pleasing configuration as to be appropriate for use with a particular task. This tube is filled with a membrane like pliable tube that is molded in such a way as to allow for motion of a filler liquid material, contained within the membrane, and to allow for the control of the motion of the stick by the hand.

This internal membrane like pliable tube is filled with a liquid to be offered in numerous viscosity's. This high density, replaceable combination of tube and liquid, is interchangeable with replacement selections of varying stature so that a wide range of weights, and motion attributes can be achieved at selected random times to suit the player which will result in a wide range of impactual scenarios.

The internal membrane/tube is shaped in such a way that it restricts or confines the internal liquid to the handle area region of the tube while slow or low force motion is applied to the stick. Upon rotational force or motion of the stick in a specific manner as to act upon the liquid, the liquid is forced via centripetal force outwardly toward the tip or striking area of the stick which results in a change of balance of the stick. This change of balance results in a dramatically higher tip weight. This resulting change in balance will result in a substantial change in the impact force. Upon cessation of the rotational force, the liquid is squeezed back in to the handle and is positioned for a supplemental impact sequence.