which has a negative effect on the mixing thereof.

It has been experimentally found that when the small basket is located at its uppermost point, the balls, which can be seen at all times, located on the sides of the drum have very few possibilities of falling into the small basket and therefore receiving a prize, such that the player will never bet on these balls, increasing the possibilities of success in the game, unlike the “theoretical” probabilities for which the machine was designed with the subsequent negative effect this entails.

Related examples of prior-art can be found for instance in EP 2665046 and US 5419557.

Description of the Invention

The proposed device is precisely provided for facilitating the mixing of balls in drums of recreational machines, such that as it can be applied to any type of drums used in recreational machines having a rotational shaft, a small basket for receiving each ball as it exits, sensors for detecting the position of the drum, etc., it has the particularity that the device itself consists of a preferably rigid or semi-rigid diametrical part mounted such that it can freely pivot through its ends, at respective diametrically opposed points on the rotational shaft of the drum of the recreational machine, such that said part initially has an essentially rectangular laminar configuration with a slight convergence of its side edges and notches in its lower edge corresponding to passages for the balls, such that when the part or device is mounted in a pivoting but free manner, the thrust from the balls themselves make it move to one side and to the other side, thereby achieving better mixing of the balls participating in the game, specifically inside the drum.

The rigid or semi-rigid laminar part making up the device for facilitating the mixing of balls can be opaque or transparent, being opaque in order to prevent seeing the balls inside the drum and being transparent to allow seeing such balls and therefore avoid any suspicion that “cheating” is possible in the development of the game.

CLAIMS

1. A device for facilitating the mixing of balls in drums of recreational machines,

said device comprises a horizontally long laminar part, in the form of a plate,

characterized in that said laminar part has a free pivoting mounting provided at the ends thereof with means for attaching inside a corresponding drum in an articulated or pivoting manner, according to a rotational shaft of said drum,

wherein said laminar part pivots freely to one side or the other side, wherein pivoting being established by the balls themselves by being thrust against the laminar part.

2. The device for facilitating the mixing of balls in drums of recreational machines according to claim 1, wherein the horizontally long laminar part has an essentially rectangular configuration, the side edges of which have a convergence so as to fit with the inner curvature of the drum, whereas the lower edge is provided with notches which are suitable in terms of the shape and size thereof for allowing the balls housed in the drum to pass therethrough.

3. The device for facilitating the mixing of balls in drums of recreational machines according to the preceding claims, wherein the horizontally long laminar part making up the device is made of a transparent material.

4. The device for facilitating the mixing of balls in drums of recreational machines according to claims 1 and 2, wherein the horizontally long laminar part making up the device is made of an opaque material.