

(No Model.)

S. DE GAETANO
BILLIARD CUSHION.

No. 578,009.

Patented Mar. 2, 1897.

Fig. 1

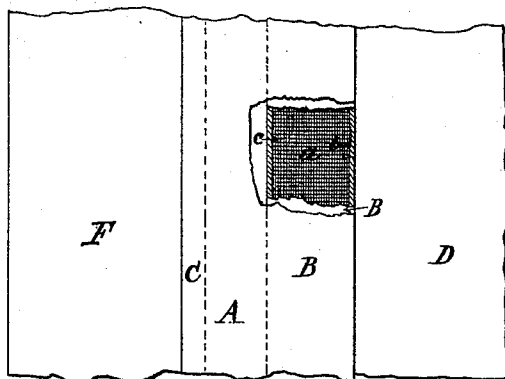


Fig. 2

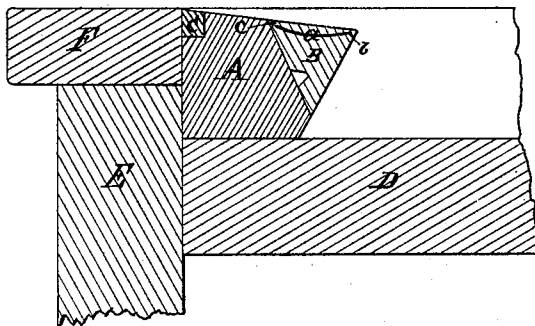
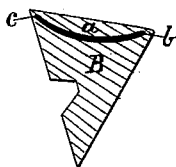


Fig. 3



Witnesses
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UNITED STATES PATENT OFFICE.

STEPHEN DE GAETANO, OF BROOKLYN, NEW YORK.

BILLIARD-CUSHION.

SPECIFICATION forming part of Letters Patent No. 578,009, dated March 2, 1897.

Application filed June 23, 1896. Serial No. 596,572. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN DE GAETANO, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State
5 of New York, have invented certain new and useful Improvements in Billiard-Cushions, of which the following is a specification.

My invention comprises the construction of the rubber cushion throughout its entire
10 length with an elastic strip of hair-cloth curved in cross-section and embedded in the rubber just beneath the upper surface and extending from near the outer to near the inner
15 edge of said surface for the purpose of effecting a quick rebound with slight compression on the impact with a ball, as will be hereinafter described and claimed, reference being had to the accompanying drawings, wherein—

20 Figure 1 represents a top view of a portion of a billiard or pool table provided with my present improvement, the rubber being partly broken away to show the elastic strip within it. Fig. 2 is a cross-section of Fig. 1. Fig. 3
25 is a cross-section of the cushion proper.

Before describing further the details of construction I will here state that strips of textile material, including hair-cloth, have been heretofore used to cover the concussion-
30 face of the rubber cushion of billiard-tables, and such strips have also been used embedded in the rubber from its lower inner part to near its upper outer edge.

Referring to the drawings, A designates the
35 wooden rail of the cushion-frame; B, the usual triangular rubber strip, which is the cushion proper; C, the strip securing the edge of the cloth covering; D, part of the slate table; E, side rail of table-frame, and F top rail of ta-
40 ble-frame.

a is the elastic strip of one or more thick-
nesses of hair-cloth, embedded in the cushion B just beneath the upper surface of the latter. The strip a is curved in cross-section, preferably concavely when seen from above, 45 as in Figs. 2 and 3, its edges b and c reaching nearly to the upper, inner, and outer edges, respectively, of the triangular rubber cushion, so that when a ball strikes the edge at b it will rise slightly by the impact, causing com- 50 pression crosswise of the strip of hair-cloth, increasing the depth of the curvature or concavity at the center thereof, where letter a is placed, "setting the spring," so to say, which, resuming its normal position by the force of 55 its elasticity, instantaneously rebounds the ball proportionately to the force of impact. This makes a very quick and yet comparatively soft cushion.

Having thus described my invention, I 60 claim—

1. In a billiard or pool table, the combination, with the elastic cushion, of an elastic strip curved in cross-section and embedded in and beneath the upper surface of said cushion, 65 between the upper outer and inner edges thereof.

2. In a billiard or pool table, the combination, with its elastic cushion, of a strip of hair-cloth curved in cross-section and embedded 70 in and beneath the upper surface of said cushion, between the upper outer and inner edges thereof.

Signed at Bloomfield, in the county of Essex and State of New Jersey, this 19th day of De- 75 cember, A. D. 1895.

STEPHEN DE GAETANO.

Witnesses:

A. W. ALMQVIST,
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