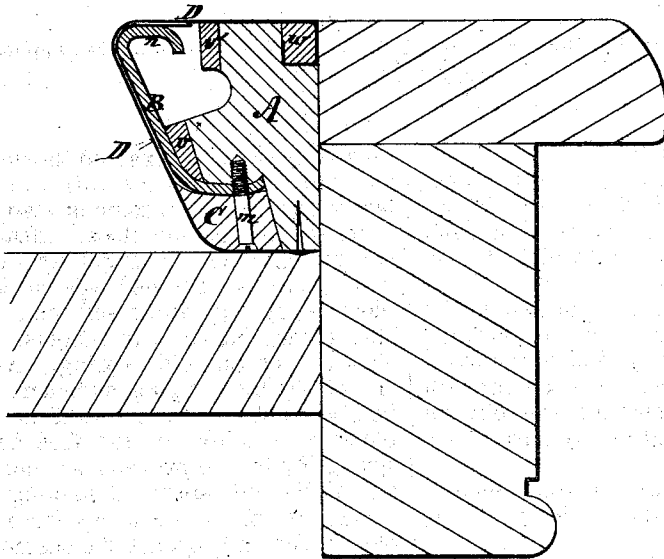


D. D. COLLINS & J. P. HYDE.

Billiard-Cushions.

No. 155,570.

Patented Oct. 6, 1874.



Witnesses.

C. Thornton

A. E. Collins

Inventors.

Devis D. Collins

James P. Hyde

per Henry C. Roder

Attorney.

UNITED STATES PATENT OFFICE.

DENIS D. COLLINS AND JAMES P. HYDE, OF NEW YORK, N. Y.

IMPROVEMENT IN BILLIARD-CUSHIONS.

Specification forming part of Letters Patent No. **155,570**, dated October 6, 1874; application filed January 23, 1874.

To all whom it may concern:

Be it known that we, DENIS D. COLLINS and JAMES P. HYDE, of New York, in the State of New York, have invented a new and Improved Billiard-Cushion, of which the following is a specification:

The nature of our invention consists in the application of a spring made out of rawhide, securely fastened at its lower end to the cushion frame or block, and then covered over with the cloth in the usual manner, whereby an equal elasticity is obtained in any part of the cushion.

The accompanying drawing represents a section of a billiard-cushion embodying our invention.

A is the cushion-block, to which the lower part of the spring B is attached by means of the bar C and suitable screws *m*. The upper part of this spring B is left free, and only confined by the usual cloth D, secured to the block by means of the bar *w*, inserted into the top of the block, and fastened, by nails, against the bottom in the usual manner. On the upper end and face of this spring B the cloth may be made double, with any soft material between the same, as at present made on nearly all billiard-cushions. This spring B we make out of rawhide, which is cut of the required length and width, then soaked in water or any other suitable fluid, and then

pressed between blocks into the desired shape, and left in said blocks until the hide is perfectly dry, when the same is ready to be fastened to the cushion-block. Near the lower end of this hide spring B a strip of india-rubber, *v*, may be fastened against the cushion-block A, or any other soft and elastic substance may be used, to increase thereby the elasticity of this hide spring. At the upper end of the hide spring sufficient space must be given between its end and the side of the block A to allow for the free action of the spring B; but to prevent any noise from the end of the hide spring B striking against the wooden block A, resulting from a powerful blow of the ball against the cushion, we insert a strip of india-rubber or other elastic substance, *v'*, into or against the upper side surface of the cushion-block A.

What we claim as our invention, and desire to secure by Letters Patent, is—

In combination with the cushion-block A, the hide spring B, when applied and secured to said block, substantially as and for the purpose described.

DENIS D. COLLINS.

JAMES P. HYDE.

Witnesses:

HENRY E. ROEDER,
C. THORNTON.