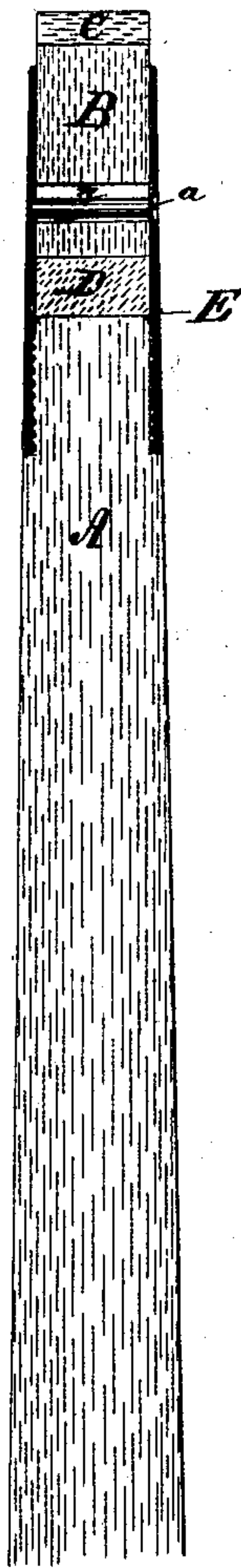


L. NEMETZ.

Billiard-Cues.

No. 136,535.

Patented March 4, 1873.



Witnesses.

Charles Thonston
A. E. Collins

Inventor

Leopold Nemetz
per H. C. Roeder
his attorney

UNITED STATES PATENT OFFICE.

LEOPOLD NEMETZ, OF NEW YORK, N. Y.

IMPROVEMENT IN BILLIARD-CUES.

Specification forming part of Letters Patent No. **136,535**, dated March 4, 1873.

To all whom it may concern:

Be it known that I, LEOPOLD NEMETZ, of New York, in the county and State of New York, have invented certain Improvements in Billiard-Cues, of which the following is a specification:

This invention consists in the construction of billiard-cues, in such a manner that the end which is provided with a leather pad can easily be replaced by a new end in case the leather should come off or become unfit for use; and, further, in the combination of an India rubber or other elastic substance between the movable end and the main part of the cue, whereby the effective force is considerably increased.

The accompanying drawing represents a section of a billiard-cue embodying my invention.

A represents part of a cue, on the end of which a tube, E, is screwed or otherwise fastened. Into this tube E a wooden plug, B, is inserted, fitting tightly the inside of said tube, which is made perfectly smooth and straight in the inside. The outer end of this plug B has a leather pad, C, attached in the usual manner, and forms the point or end of the

billiard-cue. This plug B is secured by means of the screw *a*, and can consequently be easily replaced in case the leather pad C should become unfit for use or should fall off. Between the inner end of this wooden plug B and the end of the cue A an India-rubber pad, D, or any other elastic substance is placed, forming an elastic cushion for the plug B while striking the ball, and increasing thereby considerably its force. The hole *n* through the plug B, through which the screw *a* passes, is made oblong to allow the desired motion backward upon the India-rubber pad D. Whenever the India-rubber pad D is not used, the end of the plug B must bear hard against the end of the cue A, and the hole *n* must be made to fit the bolt *a*.

What I claim as my invention, and desire to secure by Letters Patent, is—

The sliding slotted block B, in combination with a ferrule, E, India-rubber or elastic pad D, and billiard-cue A, arranged substantially as and for the purpose hereinbefore set forth.

LEOPOLD NEMETZ.

Witnesses:

HENRY E. ROEDER,
CHESTER THORNTON.