

R. H. SANBORN.
BILLIARD-CUE TIP.

No. 195,773.

Patented Oct. 2, 1877.

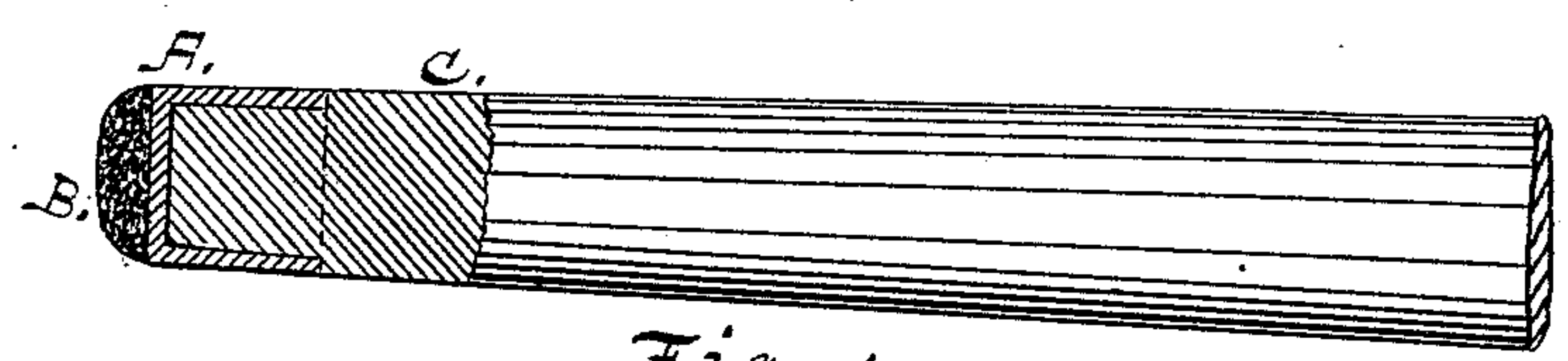


Fig. 1

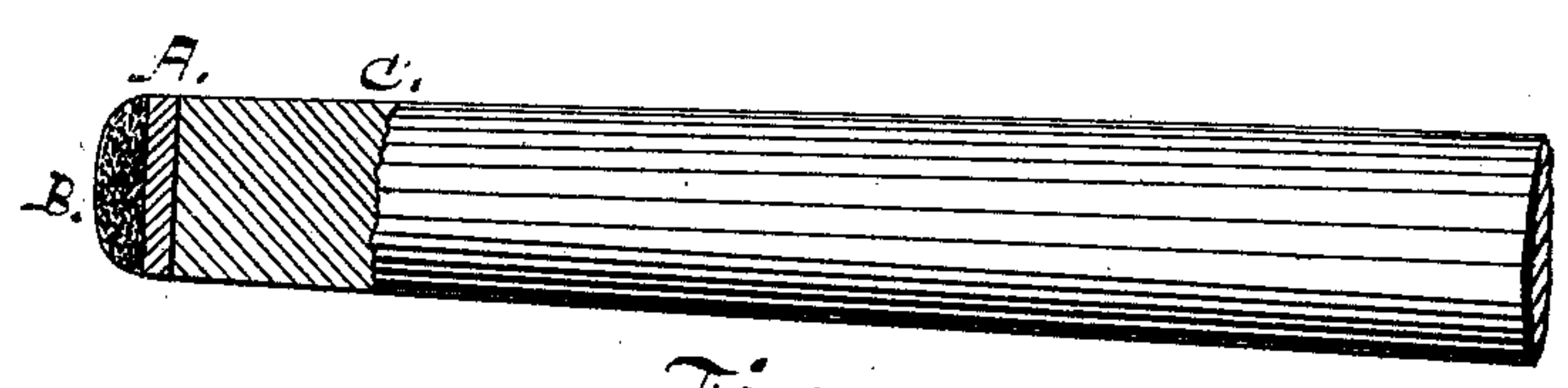


Fig. 2

Witness

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UNITED STATES PATENT OFFICE.

RUFUS H. SANBORN, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN BILLIARD-CUE TIPS.

Specification forming part of Letters Patent No. **195,773**, dated October 2, 1877; application filed February 15, 1877.

To all whom it may concern:

Be it known that I, RUFUS H. SANBORN, of Newark, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Billiard-Cue Tips, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figures 1 and 2 are modifications of the form in which the tips may be prepared and attached to the cue.

The object of my invention is to provide a tip for a billiard-cue that may be readily attached, and that will not be liable to work off in using, as is the tendency of those now employed, and one that will not be affected by moisture and the variations of temperature, and has in itself the adhesive quality.

And for this purpose I make the base A, for the tip part B, of celluloid or any form of pyroxyline, the same being soluble by alcohol, ether, or similar solvent. This base is to receive and hold the tip—usually made of leather, which, being of a somewhat soluble nature, like celluloid, admits of a ready and inseparable union with it. To unite the base and tip it is only necessary to apply to one surface of the base a solvent, like alcohol, which will dissolve it, when the tip, pressed into this soft surface, will become incorporated with it, as though a part of itself, and, when left to dry, will be inseparable by any ordinary means or liability.

Instead of applying a solvent to the surface of the base, a celluloid cement may be applied, and the tip, pressed into this, will be united and held the same as in the other case.

This base, as seen in Fig. 1, is the end of a cap made to fit on the end of the cue C, which may serve as a protective or ornamental ferrule; but, as seen in Fig. 2, the base is used without the sides forming the cap or ferrule.

When tips are to be united to a cue it is only necessary to apply either the solvent or cement above named to the inner surface of the base, and press it upon the end of the cue, when it will unite as permanently with the wood of the cue as the base and tip are united.

In the ordinary manufacture of tips for cues, the base and tip will be united at once; but this is not certainly necessary, as the element of novelty is, in this base, in its property to be readily united with the tip and cue, and it may be made and sold separately from the tips, which, in the hands of those who use them, may be united, as before shown.

Having thus described my invention, what I claim as my improvement, and desire to secure by Letters Patent, is—

1. As a new article of manufacture, the base A for the tip of a billiard-cue, made of celluloid or other pyroxyline compound, substantially as and for the purpose specified.

2. The combination of the celluloid base A above named and tip B, forming the tip for a billiard-cue, substantially as set forth.

In witness of my invention I here sign my name this 13th day of February, 1877.

RUFUS H. SANBORN.

Witnesses:

HORACE HARRIS,

ALBERT A. SANBORN.