

No. 682,886.

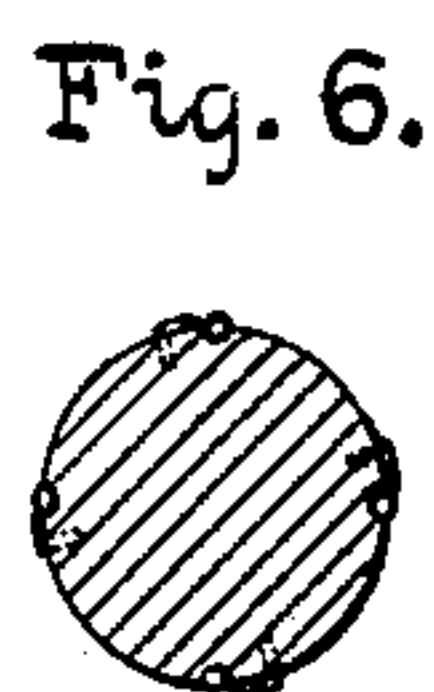
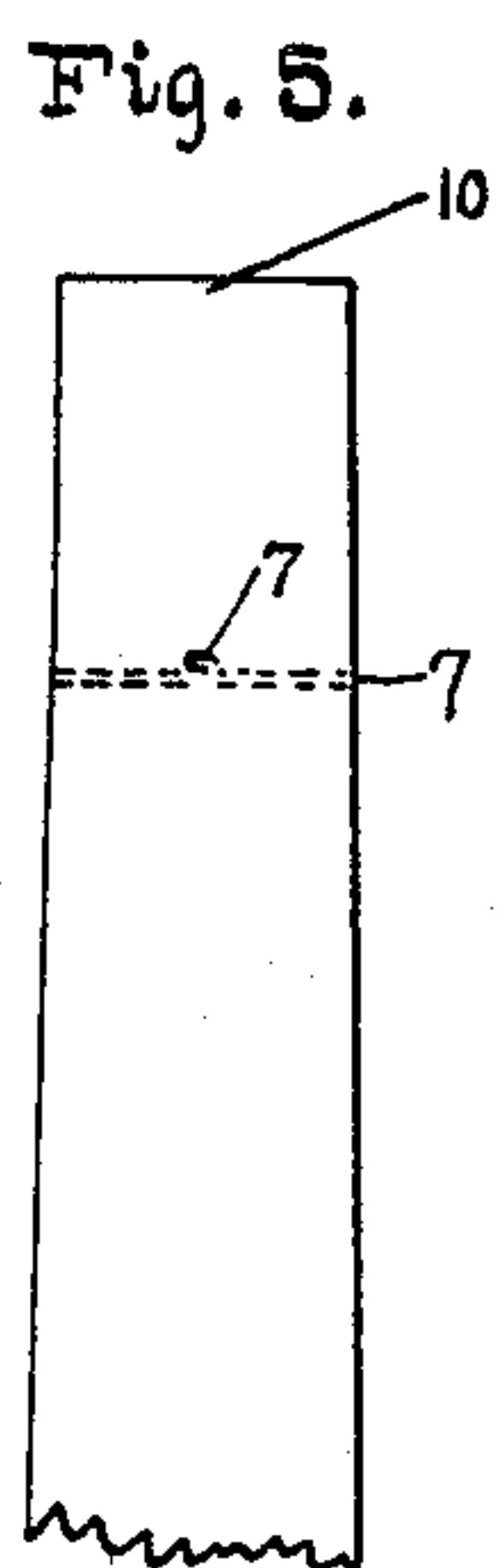
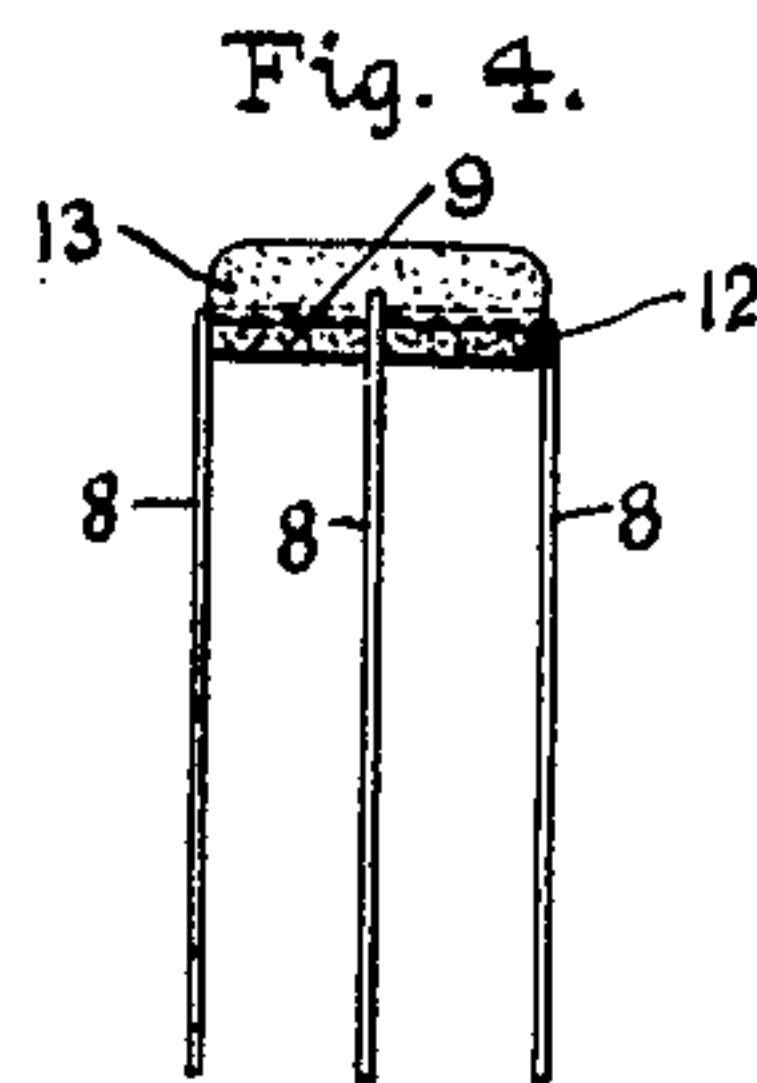
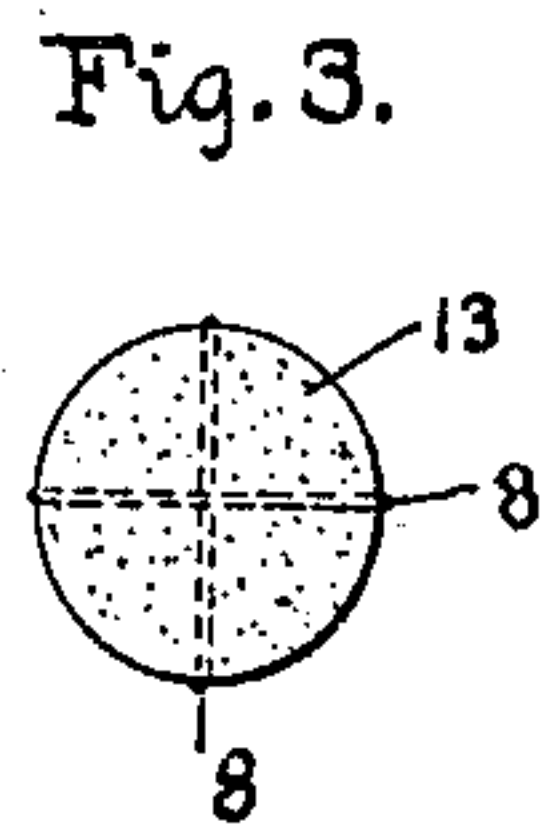
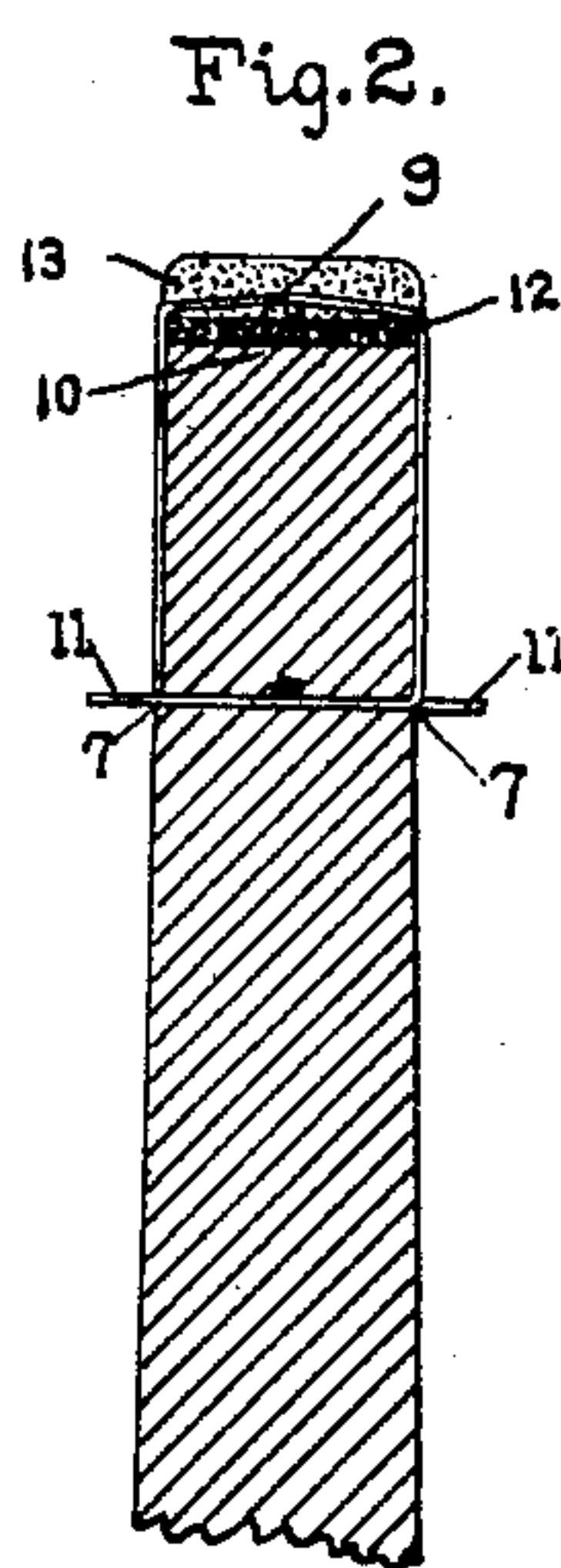
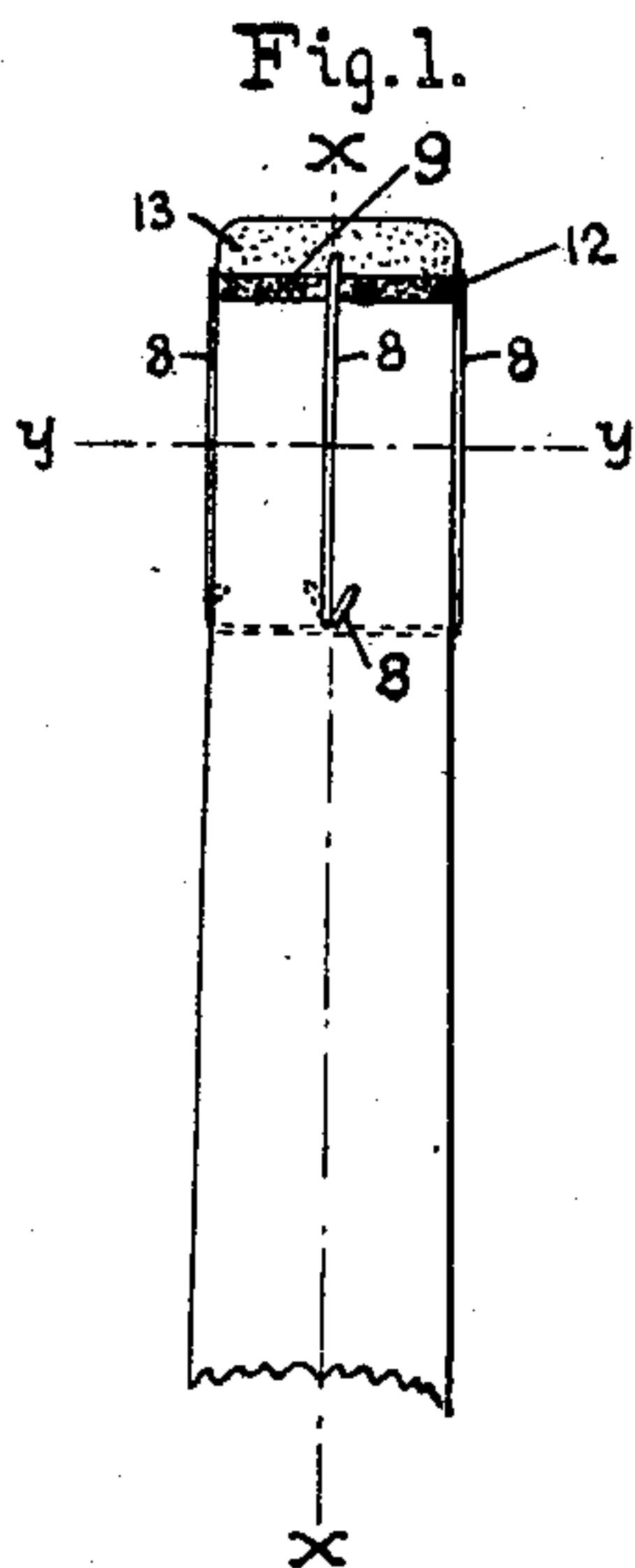
Patented Sept. 17, 1901.

N. POEHLMAN & V. GROSS.

CUE TIP FASTENER.

(Application filed June 10, 1901.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

NICHOLAS POEHLMAN AND VINCENT GROSS, OF BALTIMORE, MARYLAND.

CUE-TIP FASTENER.

SPECIFICATION forming part of Letters Patent No. 682,886, dated September 17, 1901.

Application filed June 10, 1901. Serial No. 64,013. (No model.)

To all whom it may concern:

Be it known that we, NICHOLAS POEHLMAN and VINCENT GROSS, citizens of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Cue-Tip Fasteners, of which the following is a specification.

This invention relates to new and useful means by which tips are securely fastened to cues used in playing games, such as billiards, pool, bagatelle, &c.; and it consists of the following:

In the accompanying drawings, Figure 1 is a side view. Fig. 2 is a longitudinal section on the line X X, Fig. 1, showing the ends 11 of the wires 8 in position to be turned and driven into the cue. Fig. 3 is a top view of the tip and attaching-wires. Fig. 4 is a side view of the same. Fig. 5 is a side view of the cue with the tip removed. Fig. 6 is a cross-section on line Y Y, Fig. 1.

Similar numerals refer to like parts throughout the several views.

The cue 10 is provided with one or more small holes 7 at right angles to each other, near the striking end, to receive the attaching-wires 8.

The tip is of the ordinary kind, consisting of two layers of leather glued together. The part 12 contiguous to the cue 10 is of a hard nature. The other part 13 is soft and pliable. The attaching-wires 8 are forced through the pliable part 13, one above the other, at right angles, as shown in Figs. 3 and 4. The hard or lower portion 12 of the tip 9 is glued to the end of the cue 10. The wires 8 are then passed through the holes 7 in opposite directions and drawn sufficiently tight to embed them in the cue, as shown in Fig. 6. The wires are then cut off at the holes 7, leaving the projecting ends 11, Fig. 2, long enough to be turned and driven into the cue 10, as shown in Fig. 1, thereby securely and permanently fixing the tip to the cue. By

this construction when the tip is secured to the cue the strain exerted on the wires 8 to hold the tip 9 in place comes on the hard part 12 and prevents the wires from cutting through the tip 9. Thus a fastening is produced which securely holds the tip 9 to the cue 10 and leaves the soft portion 13 free to afford a pliable cushion so essential in this class of cues.

It is obvious that by this construction a simple, cheap, and durable fastener is produced and does away with the annoyance and expense of tips constantly falling or being knocked off the cues.

While we have shown and described a tip composed of two parts, we do not desire to confine ourselves to that class of tips, for it is obvious that a tip composed of a single piece can be used.

In the drawings two wires are shown; but a greater or less number may be used.

Having thus described the invention, what we claim, and desire to secure by Letters Patent, is—

1. In a cue-tip fastener, the combination of a cue 10, provided with one or more holes 7, and a tip, 9, provided with one or more attaching-wires, 8, the ends of which pass through the holes, 7, for the purpose set forth.

2. In a cue-tip fastener, the combination of a cue 10, provided with one or more holes 7, a tip 9, provided with one or more attaching-wires 8, the ends of which pass through the holes 7, and the ends of said wires driven into the cue substantially as shown and described.

In testimony whereof we affix our signatures in the presence of two witnesses.

NICHOLAS POEHLMAN.
VINCENT GROSS.

Witnesses:

THOS. C. BAILEY,
B. F. BOYDEN.