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PATENTED MAY 15, 1906.

F. K. GOFF & H. P. SIMMONS.
TENPIN.

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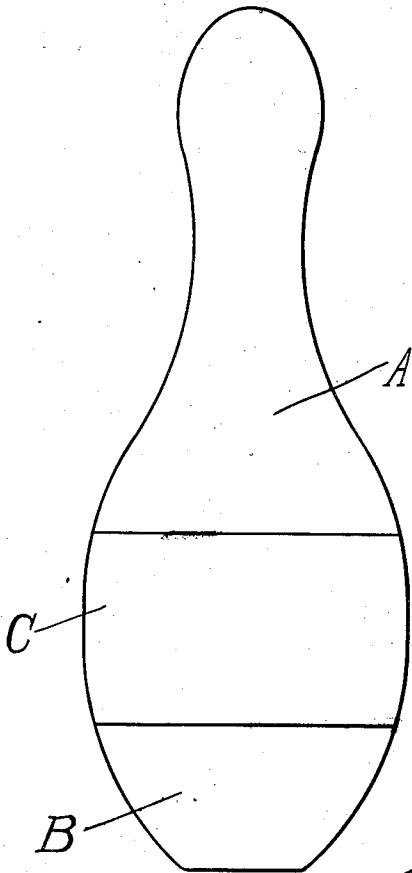


FIG. 1.

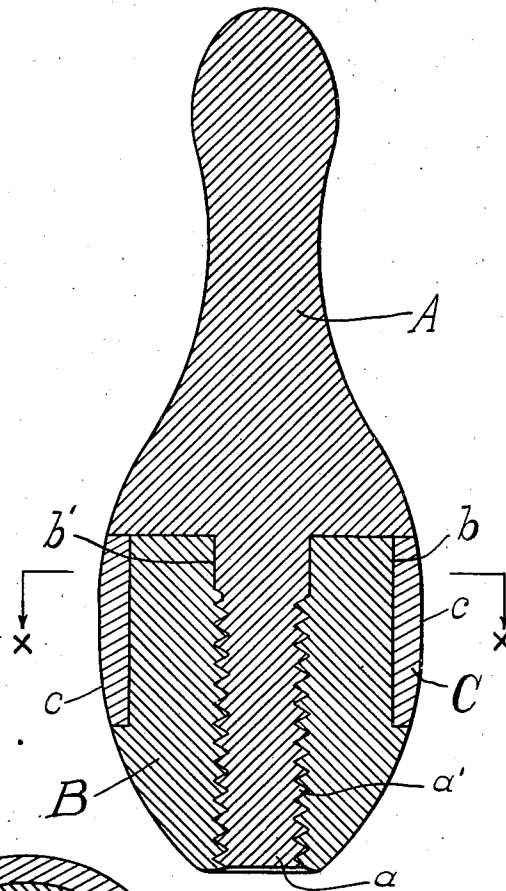
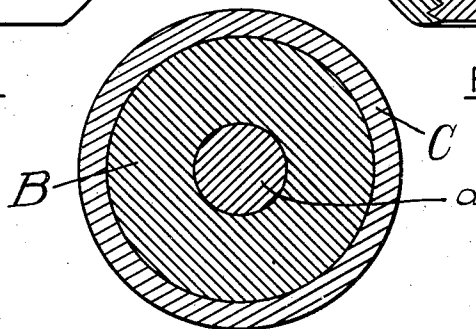


FIG. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

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TENPIN.

No. 820,490.

Specification of Letters Patent.

Patented May 15, 1906.

Application filed March 22, 1905. Serial No. 251,424.

To all whom it may concern:

Be it known that we, FREDERICK K. GOFF and HENRY P. SIMMONS, citizens of the United States, residing at East Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Tenpins, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to improvements in tenpins, and has for its purposes, primarily, a structure which will retain its original form after continued usage.

At present after temporary use the impact of the hard material in the ball upon the curved body of the pin reduces and renders irregular the diameter of the latter and in some instances causes cracks or fractures.

Our invention consists in providing a protecting-band at the most exposed surface of the pin-body and, further, in providing a sectional body.

In the accompanying drawings, forming a part of this specification, Figure 1 is a side elevation of a tenpin embodying our invention; Fig. 2, a vertical central section of the same, and Fig. 3 a transverse section on line $x x$ of Fig. 2.

Like reference characters indicate like parts throughout the views.

In the drawings, A represents the upper or neck portion of the pin provided with a flat bottom and central projection a . The latter has a threaded surface a' . The pin-body B has a vertical central threaded opening b' to receive the threaded shank or projection a . The side of the body is channeled, b , to receive a thick compressed-paper band C. The exterior of the band is curved, c , to correspond with the contour of the remainder of the body. The band C is frictionally seated in the channel b prior to screwing the shank a into the pin-body.

The channel b in the body B extends to the upper end of the body, and hence it will be observed that when the body is disconnected from the upper or neck portion the band C

may be readily removed and as readily replaced with a new band.

The compressed-paper band is efficient in preventing the impact of the ball from injuring the pin, and yet it does not unduly increase the weight of the pin or render the same more noisy or more springy or elastic than when it is formed entirely of wood. The latter will be appreciated as an important advantage when it is remembered that because of it scores made with pins embodying our invention may be justly compared with scores made with all wood pins. Moreover, the band of compressed paper does not tend to crack or otherwise injure the balls used in bowling, which balls are generally made of wood.

Having described our invention, what we claim is—

1 A tenpin comprising a neck member, a body member detachably connected to the neck member and having a circumferential channel in its side extending to its upper end, and an auxiliary band removably arranged in the channel of the body member and against the neck member.

2. A tenpin comprising a neck member having a central, depending and threaded projection, a body member having a central threaded opening receiving the threaded projection of the neck member and also having a circumferential channel in its side extending to its upper end, and an auxiliary band removably arranged in the channel of the body member and against the neck member.

3. A tenpin comprising a body of wood, and a band of compressed paper, surrounding the body of wood and arranged to receive the impact of a ball rolled against the pin.

In testimony whereof we have affixed our signatures in presence of two witnesses.

FREDERICK K. GOFF.
HENRY P. SIMMONS.

Witnesses:

HORATIO E. BELLOWES.
WILLIAM E. BROWN.