

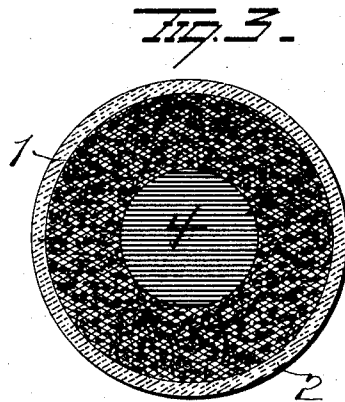
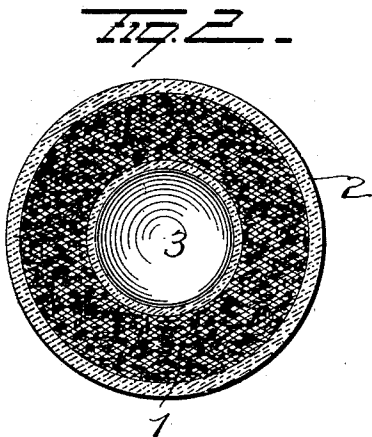
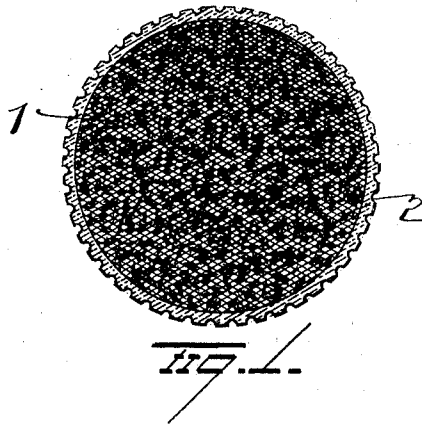
No. 719,499.

PATENTED FEB. 3, 1903.

K. V. PAINTER.  
BALL.

APPLICATION FILED OCT. 13, 1902.

NO MODEL.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

KENYON V. PAINTER, OF CLEVELAND, OHIO.

## BALL.

SPECIFICATION forming part of Letters Patent No. 719,499, dated February 3, 1903.

Application filed October 13, 1902. Serial No. 127,055. (No model.)

*To all whom it may concern:*

Be it known that I, KENYON V. PAINTER, a resident of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Balls; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improved ball, and more particularly to golf-balls and the like, the object of the invention being to provide a ball of this character which will have great elasticity and driving power when struck a hard blow; and it consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in section, illustrating one form of my improvements; and Figs. 2 and 3 are views of modifications.

In Fig. 1, 1 represents a sphere of sponge or porous rubber composed of one or more pieces of a size when extended greater or smaller than the completed ball. Instead of employing sponge or porous rubber I might employ any rubber having particles thereof removed or perforated in any desired manner, forming cells or air-ducts to give to the rubber great resiliency, and I wish to be understood that when the term "sponge-rubber" or "porous" is hereinafter used it is intended to include rubber perforated in any description whatever. The sponge or porous rubber constituting the core or body of the ball is subjected to great compression, and while under compression an outer shell or covering 2, of paper, gutta-percha, or other material possessing the required strength, toughness, and elasticity is applied directly to the outer surface of the compressed sponge or porous rubber core and serves to maintain

it in its compressed condition and impart great elasticity and driving power to it when the ball is struck a sharp blow.

In Fig. 2 I have shown a hollow core 3 in the center of the ball, and in Fig. 3 I have illustrated a solid core 4 of any material to give to the ball any weight desired. The cores 3 and 4 may be made of paper, gutta-percha, metal, or other material. A great many other modifications might be resorted to without departing from my invention, and hence I do not confine myself to the precise construction set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

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

1. A ball comprising a compressed core or body of sponge or porous rubber, inclosed within and maintained under compression by a mechanically-applied outer shell or covering of hard fibrous material, which constitutes the outer surface of the ball, substantially as set forth.

2. A ball comprising a compressed core or body of sponge or porous rubber inclosed within and maintained under compression by a shell or covering of paper, which constitutes the outer surface of the ball, substantially as set forth.

3. A ball, comprising a solid core, perforated or sponge or porous rubber of one or more pieces around the same, and a cover over the sponge or porous rubber holding it under tension.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

KENYON V. PAINTER.

Witnesses:

FRANK R. HERRICK,  
CLAYTON K. FAUVER.