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R. COMPIANO

3,031,680

BOWLING GLOVE

Filed Dec. 7, 1959

Fig. 1.

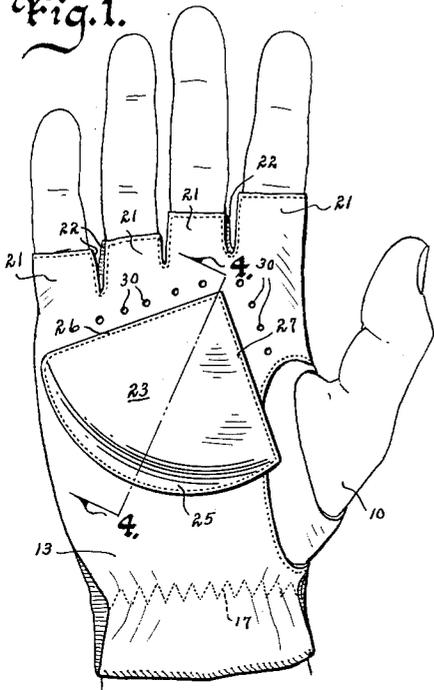


Fig. 2.

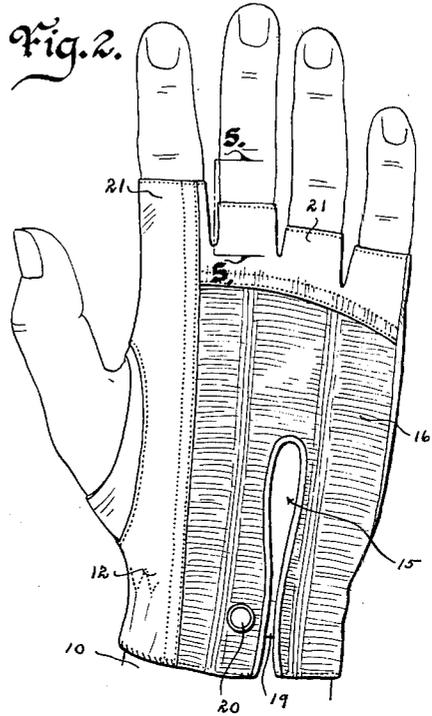


Fig. 3.

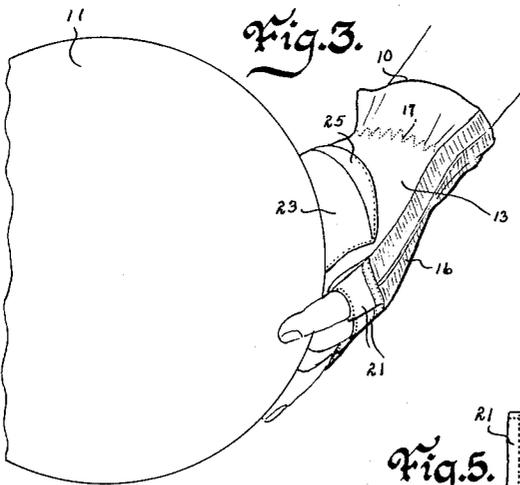


Fig. 4.

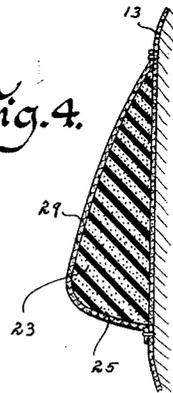
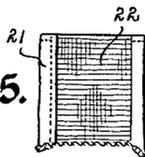


Fig. 5.



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**3,031,680**  
**BOWLING GLOVE**

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This invention is a continuation-in-part of my application on a bowling glove, filed February 13, 1959, Serial Number 793,098, and now abandoned, and relates to a game glove, and more particularly to a glove to be worn during bowling.

Originally bowling balls had only two holes, i.e., one for a thumb hold and one for a finger hold. With only the two holes, the diameter of the bowling ball substantially fits the hand and palm of the average user. Present bowling balls have three holes, one for a thumb and two for two fingers. The diameter of the ball, however, remained standard. The average hand just does not successfully conform to the curvature of the present ball. In particular, with the thumb and two fingers in place in the holes, the left side heel portion of the hand is considerably above and out of contact with the ball surface. Obviously, under such conditions the ball is difficult to manually control.

Therefore, one of the principal objects of my invention is to provide a glove that gives complete successful contact with and to the surface of a bowling ball.

A further object of this invention is to provide a bowling glove of high flexibility.

A further object of this invention is to provide a bowling glove that provides better manual ball control.

A still further object of this invention is to provide a built-up glove for bowling that relieves excessive thumb pressure on the ball.

Still further objects of my invention are to provide a bowling glove that is economical in manufacture, durable in use, and refined in appearance.

These and other objects will be apparent to those skilled in the art.

My invention consists in the construction, arrangements, and combination, of the various parts of the device, whereby the objects contemplated are attained as hereinafter more fully set forth, specifically pointed out in my claims, and illustrated in the accompanying drawings, in which:

FIG. 1 is a palm view of my glove on the hand of a user,

FIG. 2 is a back view of my glove on the hand of the user,

FIG. 3 is a reduced perspective view of my glove, illustrating its position between the hand of the user and the bowling ball,

FIG. 4 is an enlarged cross sectional view of the pad portion of the glove taken on line 4-4 of FIG. 1, and more fully illustrates its construction, and

FIG. 5 is an enlarged side view of the elastic portion of one of the finger stalls of the glove and is taken on line 5-5 of FIG. 2.

In these drawings I have used the numeral 10 to generally designate the hand and wrist of a user of my glove. The numeral 11 designates an ordinary bowling ball. My glove has a back side 12 and a front or palm side 13. The back portion is open at 15. The finger portions of the glove are all half lengths so that the fingers will extend therefrom as shown in FIG. 2. The glove may or may not have a thumb portion. Imposed in the back side 12 of the glove and at each side and forward of the open portion 15 is a resilient flexible section 16, as shown in FIG. 2. This flexible resilient portion may be of ordinary resilient elastic material. The elasticity of the portion 16 is transversely that of the longitudinal length of the glove. It is highly desirable that the glove have good flexibility

at the wrist area and the numeral 17 designates elastic stitching extending in a zigzag path across the front wrist portion of the glove, as shown in FIG. 1. The opening 15 permits easy access of the hand into the glove. After the glove has been installed on the hand of the user, the wrist portion of the glove is secured together by any suitable means. In the drawings I show a tab 19 and snap button 20. It is also highly desirable that the finger stall portions 21 of the glove have a certain amount of flexibility and elasticity. To accomplish this, on the inner side of the glove finger portions I have inserted a flexible resilient section 22, as shown in FIG. 5. These portions 22 may be of suitable elastic cloth, and their elasticity extends transversely of the longitudinal length of the fingers of the user of the glove. The most important feature of the glove, however, is the treatment of the palm or front side. As herebefore indicated, the left side and heel or fleshy part of the palm of the hand is normally some distance from the curved surface of the ball. It is at this location of the glove when in the hand that I provide a wedge build-up which I have designated by the numeral 23. This wedge 23 is pie-shaped as shown in FIG. 1 in that its rear marginal edge, designated by the numeral 25, is curved or arcuate. Its forward edge 26 and its side edge 27 are relatively straight. As shown in FIG. 1, the straight front edge 26 and straight edge 27 meet at the area of the glove that is directly to the rear of the root of the glove between the forefinger portion and the middle finger portion. The rear circular portion 25 of the wedge extends from a point rear of the little finger portion of the glove to near the center base of the thumb portion. By this construction the forward straight edge 26 and the side straight edge 27 form substantially a right angle as shown in FIG. 1. The wedge portion decreases in thickness as it extends both forwardly toward the front edge 26 and laterally as it extends toward the straight edge 27. Thus, the thickest portion of the wedge is near the center length of the curved edge portion 25. By this construction the wedge as to thickness vanishes as it approaches the straight forward edge 26 and the side straight edge 27. When the glove is on the hand of a user, this wedge built up portion will be at the heel portion of the hand, as shown in FIG. 3, and therefore will automatically fill the space normally existing between the heel of the palm of the hand and the bowling ball. The wedge may be held in place on the front of the glove by any suitable means. In the drawings I show the wedge held by a leather or like case 29 sewed to the face of the glove. This wedge may be of any suitable material but I recommend that it have at least some flexibility and resiliency such as foam rubber, felt, rubber, and also some plastics are satisfactory. When in use, the hand with the wedge build-up will successfully conform with and to the curvature of the bowling ball. Due to the increased control of the ball, it has been found that both amateurs and professional bowlers immediately improve their game by the use of my glove.

To further increase the flexibility of the glove, and also to permit air to freely pass in or out of any space between the inside of the glove and the inside palm of the hand of the user, I have provided a plurality of holes 30 in the palm portion of the glove. These holes 30 are adjacent the straight forward edge 26 of the wedge portion and the straight side edge 27 of the wedge portion. The length of the forward straight edge 26 of the wedge pad is substantially that of the combined widths of the finger portions of the little finger, ring finger and middle finger. This length of the front straight edge 26 of the pad is substantially that of the length of its side straight edge portion 27.

Some changes may be made in the construction and ar-

angement of my bowling glove without departing from the real spirit and purpose of my invention, and it is my intention to cover by my claims, any modified forms of structure or use of mechanical equivalents which may be reasonably included within their scope.

I claim:

1. In a bowling glove, a glove having a palm portion, a back portion, a wrist portion and fingers and thumb areas, and a wedge portion on the palm portion of said glove; said wedge portion having a substantially straight front edge, a substantially straight side edge extending longitudinally of the glove adjacent the thumb area of said glove, and extending substantially perpendicularly from the inner end of said front edge, and a rear curved edge extending from the outer end of said front edge to the rear end of said side edge; said wedge portion decreasing in thickness as it extends from said rear edge toward its front and side edges.

2. In a bowling glove, a glove having a palm portion, a back portion, a wrist portion and fingers and thumb areas, a flexible resilient section in the back portion of said glove, and a wedge portion on the palm portion of said glove; said wedge portion having a substantially straight front edge, a substantially straight side edge extending longitudinally of the glove adjacent the thumb area of said glove, and extending substantially perpendicularly from the inner end of said front edge, and a rear curved edge extending from the outer end of said front edge to the rear end of said side edge; said wedge portion decreasing in thickness as it extends from said rear edge toward its front and side edges.

3. In a bowling glove, a glove having a palm portion, a back portion, a wrist portion and fingers and thumb areas, an elastic section in the back portion of said glove having resiliency only in a direction transversely of the longitudinal axis of said glove, and a wedge portion on the palm portion of said glove; said wedge portion having a substantially straight front edge, a substantially straight side edge extending longitudinally of the glove adjacent the thumb area of said glove, and extending substantially perpendicularly from the inner end of said front edge, and a rear curved edge extending from the outer end of said front edge to the rear end of said side edge; said wedge portion decreasing in thickness as it extends from said rear edge toward its front and side edges.

4. In a bowling glove, a glove having a palm portion, a back portion, a wrist portion and fingers and thumb areas, and a wedge portion on the palm portion of said glove; said wedge portion having a substantially straight front edge, a substantially straight side edge extending longitudinally of the glove adjacent the thumb area of said glove, and extending substantially perpendicularly from the inner end of said front edge, and a rear edge extending from the outer end of said front edge to the rear end of said side edge; said wedge portion decreasing in thickness as it extends from said rear edge toward its front and side edges.

5. In a bowling glove, a glove having a palm portion, a back portion, a wrist portion and fingers and thumb areas, and a flexible resilient wedge portion on the palm portion of said glove; said wedge portion having a substantially straight front edge, a substantially straight side edge extending longitudinally of the glove adjacent the thumb area of said glove, and extending substantially perpendicularly from the inner end of said front edge, and a rear curved edge extending from the outer end of said front edge to the rear end of said side edge; said wedge portion decreasing in thickness as it extends from said rear edge toward its front and side edges.

6. In a bowling glove, a glove having a palm portion,

a back portion, a wrist portion and fingers and thumb areas, and a wedge portion on the palm portion of said glove and covering substantially the entire central area of the palm portion of said glove; said wedge portion having a substantially straight front edge, a substantially straight side edge extending longitudinally of the glove adjacent the thumb area of said glove, and extending substantially perpendicularly from the inner end of said front edge, and a rear curved edge extending from the outer end of said front edge to the rear end of said side edge; said wedge portion decreasing in thickness as it extends from said rear edge toward its front and side edges.

7. In a bowling glove, a glove having a palm portion, a back portion, a wrist portion and fingers and thumb areas, and a wedge portion on the palm portion of said glove; said wedge portion having a substantially straight front edge, a substantially straight side edge extending longitudinally of the glove adjacent the thumb area of said glove, and extending substantially perpendicularly from the inner end of said front edge, and a rear edge extending from the outer end of said front edge to the rear end of said side edge; said wedge decreasing in width substantially uniformly as it progresses forwardly and inwardly toward the juncture of said front and side edges.

8. In a bowling glove, a glove having a palm portion, a back portion, a wrist portion and partial finger portions and a thumb area, an elastic section in each of said finger portions having a resiliency only in directions transverse of the longitudinal axis of said glove, and a wedge portion on the palm portion of said glove; said wedge portion having a substantially straight front edge, a substantially straight side edge extending longitudinally of the glove adjacent the thumb area of said glove, and extending substantially perpendicularly from the inner end of said front edge, and a rear curved edge extending from the outer end of said front edge to the rear end of said side edge; said wedge portion decreasing in thickness as it extends from said rear edge toward its front and side edges.

9. In a bowling glove, a glove having a palm portion, a back portion, a wrist portion and partial finger portions and a thumb area, an elastic section in each of said finger portions having a resiliency only in directions transverse of the longitudinal axis of said glove, a resilient means at the wrist portion of said glove, and a wedge portion on the palm portion of said glove; said wedge portion having a substantially straight front edge, a substantially straight side edge extending longitudinally of the glove adjacent the thumb area of said glove, and extending substantially perpendicularly from the inner end of said front edge, and a rear curved edge extending from the outer end of said front edge to the rear end of said side edge; said wedge portion decreasing in thickness as it extends from said rear edge toward its front and side edges.

10. In a bowling glove, a glove having a palm portion, a back portion, a wrist portion and fingers and thumb areas, and a wedge portion on the palm portion of said glove; said wedge portion extending to a point forward of the lateral plane area of the thumb area and extending to a point closely adjacent the finger areas of said glove; said wedge portion being in the form of a padding decreasing in thickness as it extends forwardly.

#### References Cited in the file of this patent

#### UNITED STATES PATENTS

2,258,999	Nunn	Oct. 14, 1941
2,309,516	Lindfelt	Jan. 26, 1943
2,314,545	Lindfelt	Mar. 23, 1943
2,456,678	Cole	Dec. 21, 1948
2,710,970	Kennedy	June 21, 1955