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Patented Sept. 10, 1901.

C. CLASSEN.

SWIMMING APPARATUS FOR ATTACHMENT TO THE LEGS.

(Application filed Apr. 10, 1901.)

(No Model.)

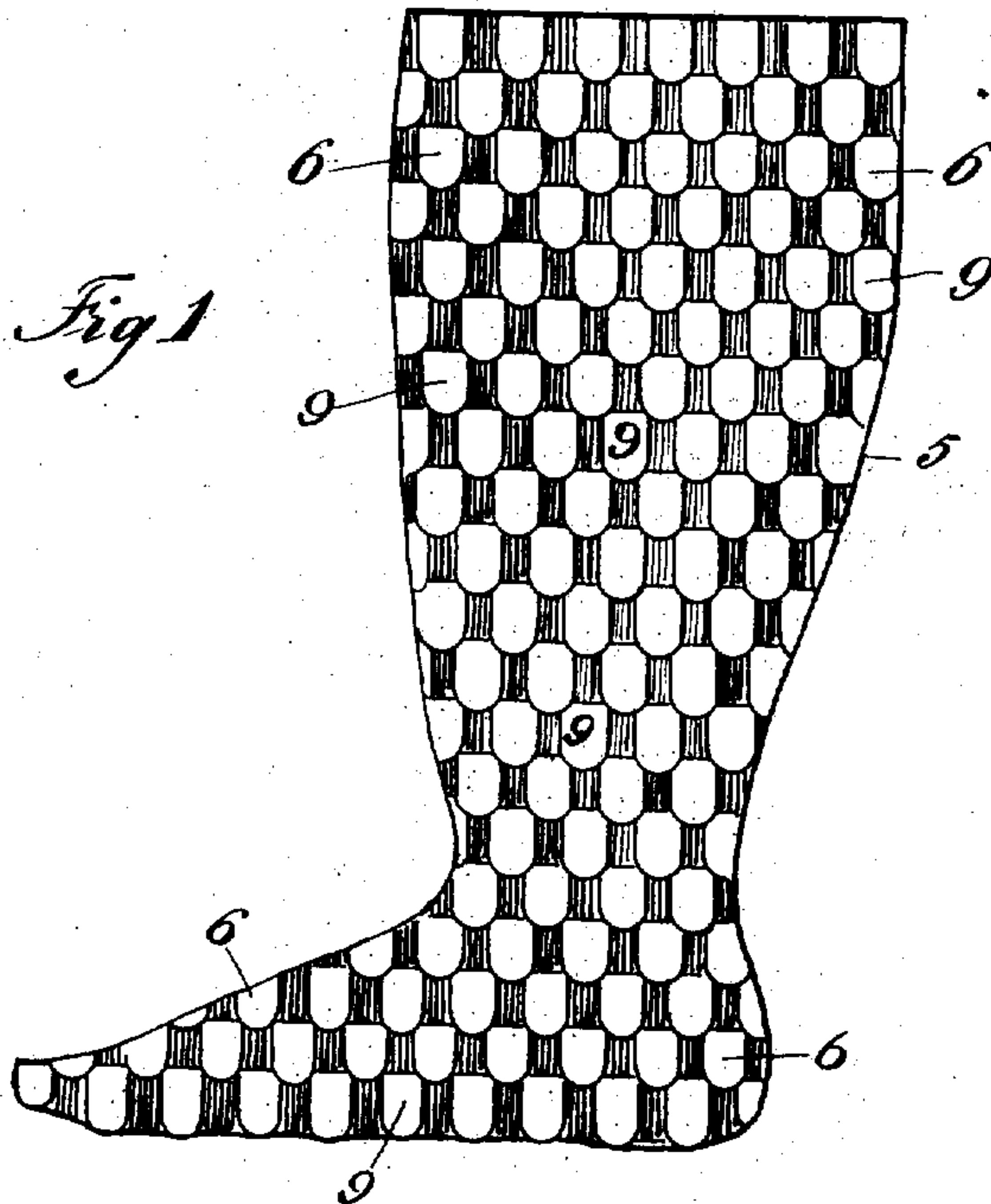


Fig 2

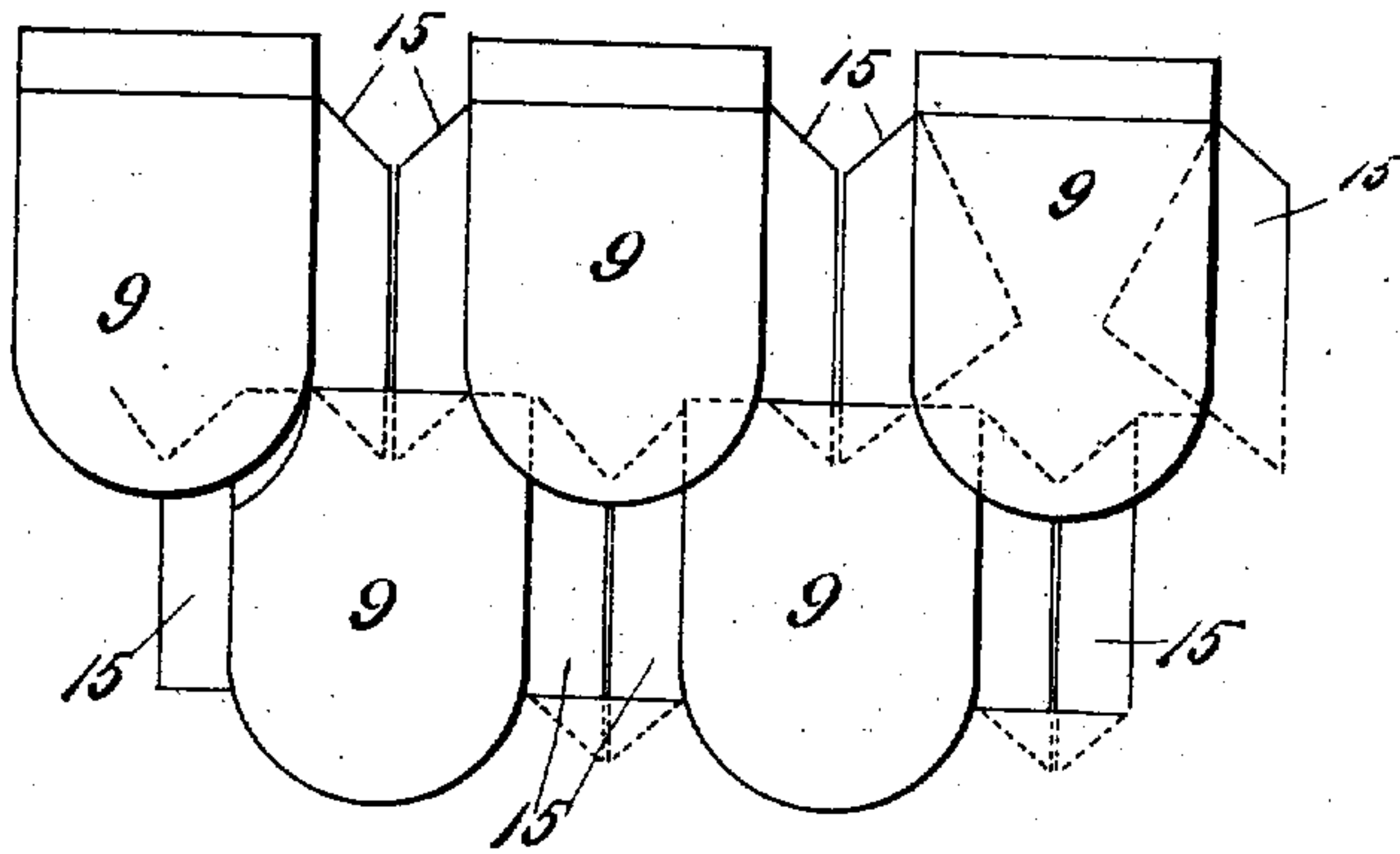


Fig 3

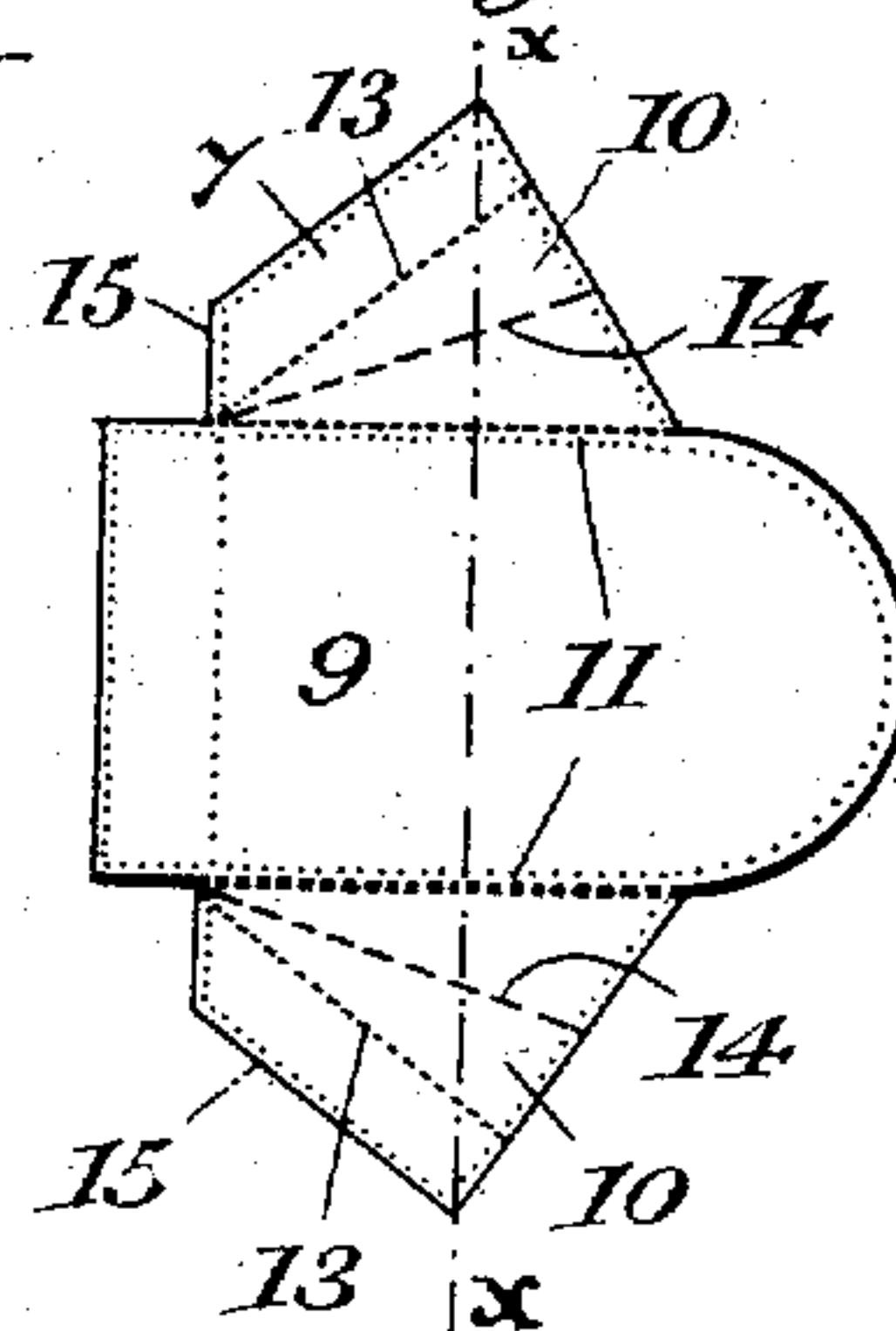


Fig 4



WITNESSES

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SWIMMING APPARATUS FOR ATTACHMENT TO THE LEGS.

SPECIFICATION forming part of Letters Patent No. 682,379, dated September 10, 1901.

Application filed April 10, 1901. Serial No. 55,172. (No model.)

To all whom it may concern:

Be it known that I, CARL CLASSEN, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Leg Attachments for Use in Swimming, of which the following is a full and complete specification, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to leg attachments for use as aids in swimming, and the object thereof is to provide a device of this class which is in the form of a sock or stocking, and which may be drawn onto the foot and leg in the manner of an ordinary stocking, and which is provided with a plurality of webs or flies which open in the backward movement of the foot and close in the forward movement thereof.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by the same reference characters in each of the views, and in which—

Figure 1 is a side view of one of my improved leg attachments for use in swimming; Fig. 2, a plan view of a section thereof or a section of the webs or flies which I employ extended; Fig. 3, a plan view of one of said webs or flies extended, and Fig. 4 a section on the line *xx* of Fig. 3.

In the practice of my invention I provide an attachment of the class described which is in the form of a sock or stocking, as shown at 5 in Fig. 1, and which may be composed of canvas or any suitable flexible material and which for the purposes of this description will be hereinafter called a "sock" or "stocking." The sock or stocking is provided with a plurality of webs or flies 6, any desired number of which may be employed and which are preferably distributed over the entire surface thereof, and these webs or flies each consist of two sheets 7 and 8 of flexible material of the form shown in Fig. 3 when extended. These flexible strips or sheets 7 and 8 consist of a body portion 9 and side wings 10, the body portion being longer than the side wings 10 and being stitched together at 11 around

the edges thereof, and into the pocket thus formed is placed a stiffening strip or plate 12 of any suitable material. The side wings 10 of the webs or flies are folded along the dotted lines 13 and 14, and the outer members thereof are stitched to the sock or stocking along the outer borders of the outer or side sections or portions 15 of said webs or flies. As thus constructed it will be seen that the sock or stocking when drawn onto the leg and secured thereon will fit thereto in the manner of an ordinary sock or stocking, and as the leg is drawn through the water the webs or flies will fold tightly against the leg and foot, and when the leg is moved backwardly in the operation of swimming said webs or flies will open and catch the water and serve as levers to propel the body forward. It will also be understood that the sock or stocking can also be secured to the leg by means of a band or other device secured to the top thereof, and my invention is not limited to any particular device for accomplishing these purposes nor to the material used in the construction of the attachment nor to the webs or flies thereof, and I reserve the right to make all such alterations as fairly come within the scope of my invention.

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

1. A swimming attachment for the leg, consisting of a sock or stocking adapted to frictionally engage the leg and conforming to the shape thereof, whereby it is self-retained in position, a plurality of circumferential superposed series of webs or flies mounted upon the outer surface thereof and pivoted one beneath the other and adapted to be opened in the backward movement of the leg, substantially as shown and described.

2. A swimming attachment for the leg, consisting of a sock or stocking adapted to frictionally engage the leg and conforming to the shape thereof, whereby it is self-retained in position, a plurality of circumferentially-superposed series of webs or flies mounted upon the outer surface thereof, and pivoted one beneath the other and adapted to be opened in the backward movement of the leg the said webs or flies being provided at their side

with flexible connections attaching them to the sock or stocking and foldable against the latter, substantially as shown and described.

3. A swimming attachment for the legs consisting of a sock or stocking adapted to frictionally engage the leg and conforming to the shape thereof, whereby it is self-retained in position, a plurality of circumferentially-superposed series of webs or flies mounted upon the outer surface thereof and pivoted one beneath the other and adapted to be opened in the backward movement of the leg, the said webs or flies being provided interiorly with stiffening-strips, substantially as shown and described.

4. A swimming attachment for the leg, consisting of a sock or stocking adapted to be

drawn thereonto and the surface of which is provided with webs or flies which are adapted to be opened in the backward movement of the leg, said webs or flies consisting of separate strips stitched together and provided with a central pocket in which is placed a stiffening strip or plate, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 8th day of April, 1901.

CARL CLASSEN.

Witnesses:

PHILIP H. FETT,
L. R. BAYER.