

No. 720,063.

PATENTED FEB. 10, 1903.

J. E. PFLUEGER.
SIDE PLATE FOR FISHING REELS.
APPLICATION FILED NOV. 21, 1902.

NO MODEL.

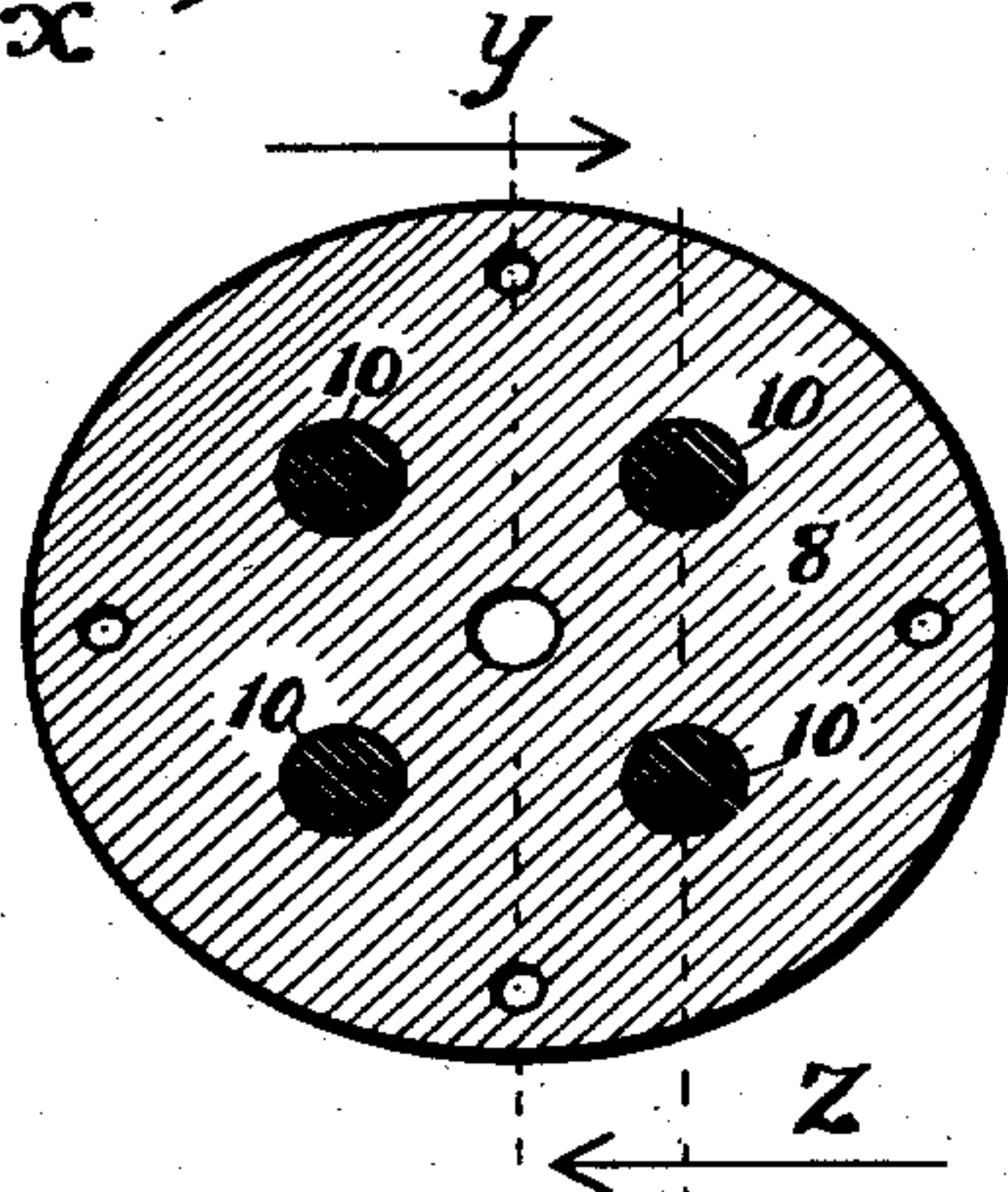
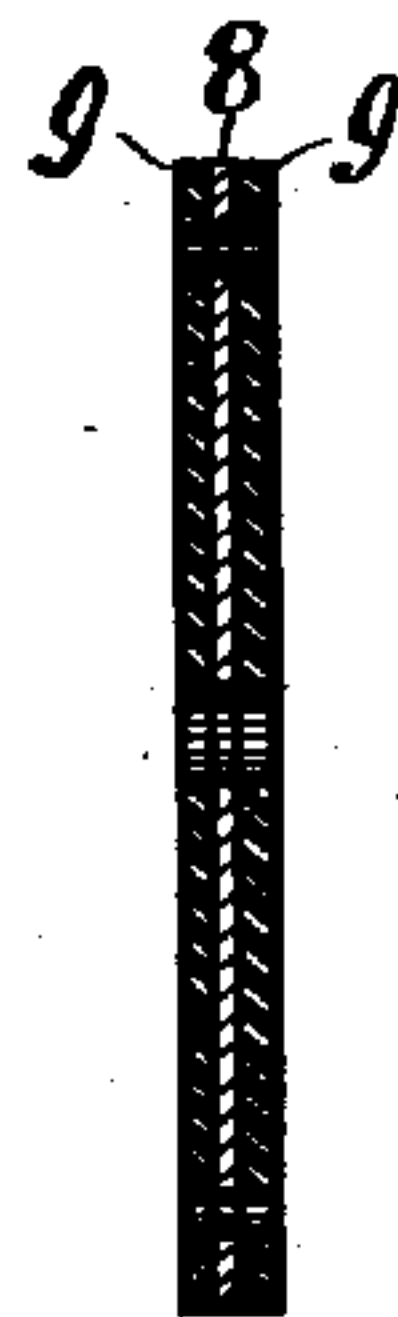
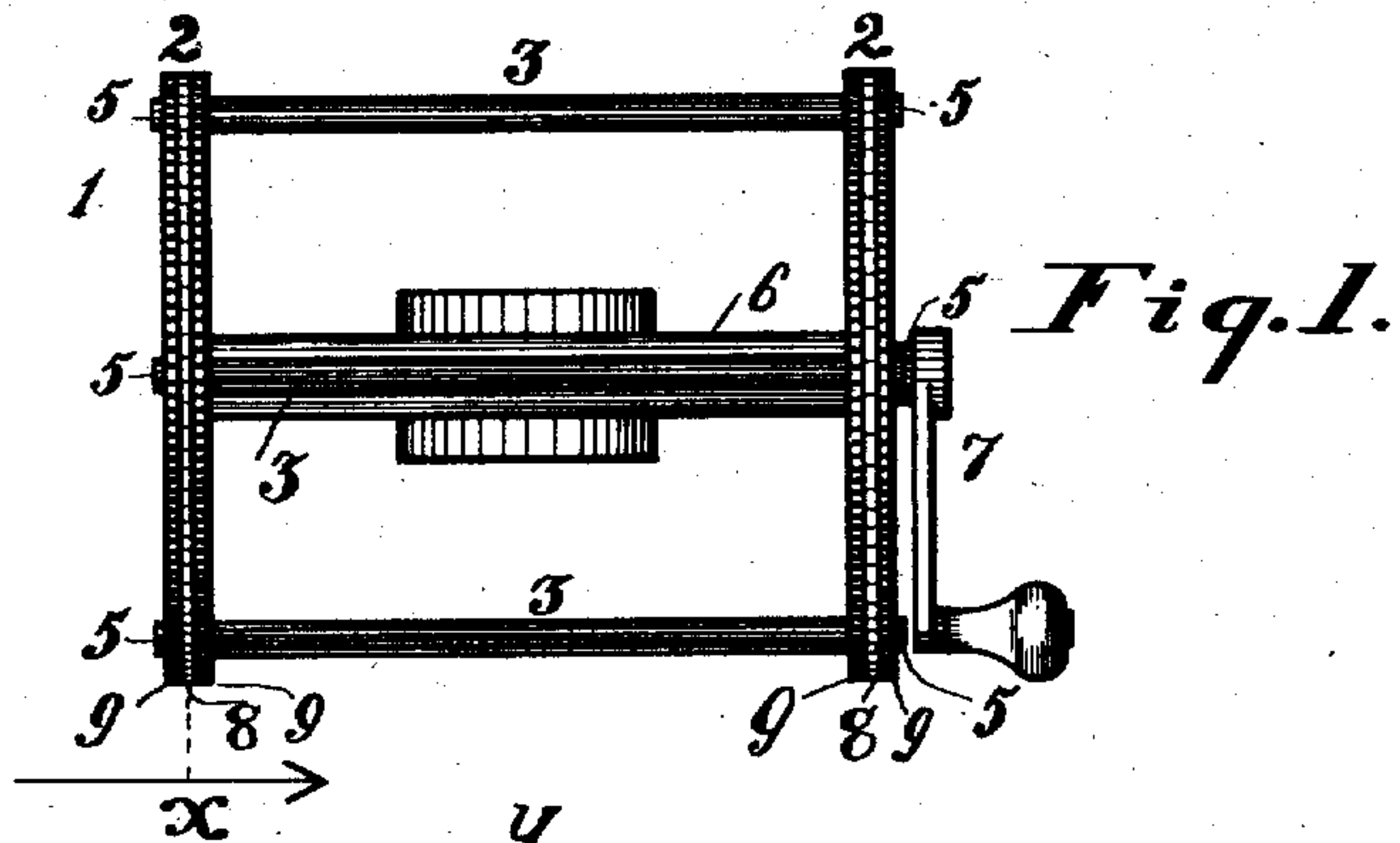


Fig. 2.

Fig. 3.

Fig. 4.

Witnesses:
Maude Grister.
Walter Bowman.

Inventor:
Joseph E. Pflueger.
By C. E. Humprey.
Atty.

UNITED STATES PATENT OFFICE.

JOSEPH E. PFLUEGER, OF AKRON, OHIO.

SIDE PLATE FOR FISHING-REELS.

SPECIFICATION forming part of Letters Patent No. 720,063, dated February 10, 1903.

Application filed November 21, 1902. Serial No. 132,241. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH E. PFLUEGER, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented a certain new and useful Improvement in Side Plates for Fishing-Reels, of which the following is a complete specification.

My invention has relation to fishing-reels used on rods upon which is wound the line, and especially relates to the production of a side plate to which the pillars are united and in which the reel proper finds its bearing. Heretofore these plates on the reels have been made of various metallic substances possessing merits more or less useful, and later hard vulcanized rubber has been used in the same place, the use of which is attended with advantages not possessed by the metallic plates, such as freedom from corrosion; but this use of hard rubber has a drawback in view of its extremely brittle character, which results in its fracture upon receiving any sudden blow or in case of dropping of the rod to which the reel is attached.

The object of my invention is to produce a side plate for reels which shall obviate the difficulty of corrosion and eliminate substantially completely the danger of fracturing the reels by any ordinary accident.

A further object is to produce a neat serviceable light reel-plate which shall be highly ornamental and attended with all the advantages of those heretofore in use and be free from the defects and weaknesses heretofore existing in the reels now in common use.

To the accomplishment of the aforesaid objects my invention consists in the peculiar and novel construction, arrangement, and combination of parts hereinafter described and then specifically claimed, reference being had to the accompanying drawings, forming a part of this specification.

In the accompanying drawings, in which similar reference-numerals indicate like parts in the different figures, Figure 1 is a front elevation of a simple form of reel, showing my improved side plates. Fig. 2 is a section of Fig. 3 at the line *y*; Fig. 3, a section of Fig. 2 at the line *x*, and Fig. 4 a section of Fig. 3 at the line *z*.

In the drawings, 1 is an ordinary reel con-

sisting of side plates 2, united by four pillars 3, which abut against the side plates and are attached thereto by headed screws 5, and journaled in the center of the side plates 2 is a reel involving a shaft 6, provided outside of the right side plate with a handle 7, by which it is revolved. In the drawings no attempt is made to show a multiplying reel or one involving a stop or click attachment, as the side plates 2 are the only features involved in this application. These side plates I make primarily by inclosing a thin sheet 8 of metal or similar substance between two sheets 9 of hard rubber, thus coating the side faces of the metal with a protecting-coating of a non-corrosive substance, and likewise this interposition of the metal or similar substance between the hard-rubber plates strengthens an otherwise brittle side plate. Various means of uniting the hard rubber to the plate are known to exist and are entirely within the scope of this invention. I prefer, however, to show one method, which consists in perforating the plate 8 at the points 10, permitting the rubber from either side to enter and unite during the process of vulcanization, thereby securely attaching the rubber plates to each other and to the centrally-strengthening plate. Another means by which these rubber plates may be attached to the plate is to roughen both side surfaces of the plate and depend upon the adhering properties of the hard rubber during vulcanization to cause a permanent joint therewith. Another means is to vulcanize the plates separately and then unite the three plates by rivets passing therethrough. Thus it will be seen that various methods for uniting the three plates exist, all of which are intended to secure a perfect union between them all. I prefer, however, to make the sheets of hard rubber adhere to the metallic plate during vulcanization and thereafter punch out from a large sheet the side plates of the required size for use, and after their edges are burnished or polished they are in a condition for immediate use.

I do not confine my invention to any particular means of uniting hard rubber to the plate, as this is a secondary matter of consideration.

A final effect produced by this mode of making the side plates is to add an ornamental

finish thereto. The hard-rubber side plates being intensely black, I prefer to use a sheet between them composed of aluminium, the contrast between the white aluminium sur-
 5 rounded by the black hard rubber being highly ornamented to the general finish of the reel itself.

Having thus described my invention, what I claim, and desire to secure by Letters Pat-
 10 ent, is—

1. A side plate for fishing-reels consisting of a sheet of strengthening material interposed between sheets of hard rubber, substantially as shown and described.

15 2. A side plate for fishing-reels consisting of two plates of hard rubber having interposed

between them a strengthening material, the three sheets being united together, substantially as shown and described.

3. A side plate for fishing-reels consisting of a sheet of strengthening material interposed between sheets of a non-corrosive substance, the three sheets forming a unitary article, substantially as shown and described.

In testimony that I claim the above I hereunto set my hand in the presence of two subscribing witnesses.

JOSEPH E. PFLUEGER.

In presence of—

C. E. HUMPHREY,
 MAUDE ZWISLER.

Correction in Letters Patent No. 720,063.

It is hereby certified that in Letters Patent No. 720,063, granted February 10, 1903, upon the application of Joseph E. Pflueger, of Akron, Ohio, for an improvement in "Side Plates for Fishing-Reels," an error appears in the printed specification requiring correction, as follows: In line 6, page 2, the word "ornamented" should read *ornamental*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 24th day of February, A. D., 1903.

[SEAL.]

F. I. ALLEN,
 Commissioner of Patents.

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