

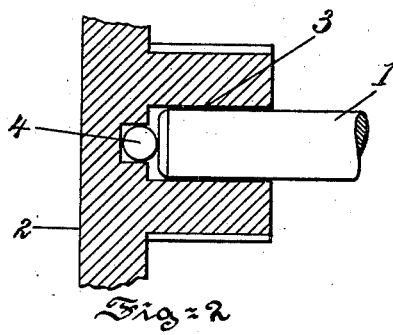
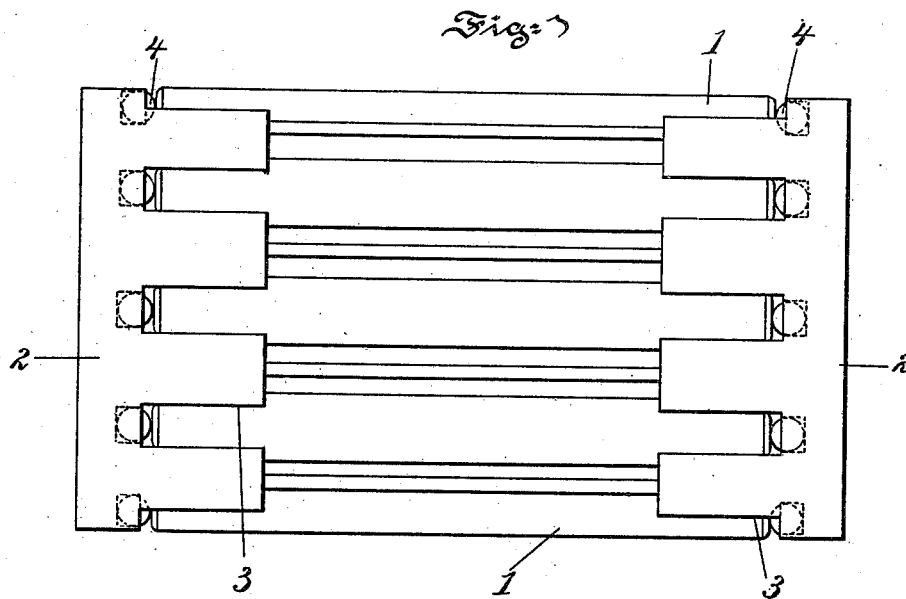
No. 676,940.

Patented June 25, 1901.

S. S. EVELAND.
ANTIFRICTION BEARING.

(Application filed Nov. 21, 1899.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

SAMUEL S. EVELAND, OF PHILADELPHIA, PENNSYLVANIA.

ANTIFRICTION-BEARING.

SPECIFICATION forming part of Letters Patent No. 676,940, dated June 25, 1901.

Application filed November 21, 1899. Serial No. 737,767. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL S. EVELAND, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Improvement in Antifriiction-Bearings, of which the following is a specification.

The present invention relates to an improvement upon the bearings shown in Letters Patent No. 602,047, of April 5, 1898, to Hobron; and its object is to enhance the efficiency of said device by increasing the effective length of the rollers without changing the size of the device as a whole.

To this and other ends the invention comprises the improvements hereinafter described and claimed.

The nature, characteristic features, and scope of my invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, and in which—

Figure 1 is an elevational view of an antifriiction device embodying features of my invention. Fig. 2 is a sectional view of a portion of the same.

In the drawings, 1 represents the rollers; 2, the roller-supports, having individual sockets 3 for the rollers, and 4 the balls which constitute end supports for the rollers and bear against the bottoms of the auxiliary sockets. In the patented device above referred to the balls were arranged in the sockets 3 and the rollers were necessarily somewhat short in order to accommodate the balls. In the device

constituting the subject-matter of this application auxiliary sockets are provided for the reception of the balls, so that the rollers may be correspondingly increased in length, whereby their effective surface is also increased and the device made more efficient as a whole. The offsetted auxiliary sockets for the balls are independent of and smaller than the roller-sockets 3, and they are arranged in the roller-support, as in Figs. 1 and 2.

It will be obvious to those skilled in the art to which my invention appertains that modifications may be made in details without departing from the spirit thereof. Hence I do not limit myself to the precise construction and arrangement of parts hereinabove set forth and illustrated in the accompanying drawings; but,

Having thus described the nature and objects of my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the rollers, the roller-supports having individual sockets for the rollers, and the smaller offsetted auxiliary sockets with bottoms, and balls arranged in the said smaller auxiliary sockets and bearing against the bottoms of the supports and the ends of the rollers, substantially as described.

In testimony whereof I have hereunto signed my name.

SAMUEL S. EVELAND.

In presence of—

GRACE B. HURLBUT,
DORA STERNBERGER.