J. S. CHAMBERLIN.

Gymnastic Apparatus.

No. 201,328. Patented March 19, 1878.

Fig. 1.

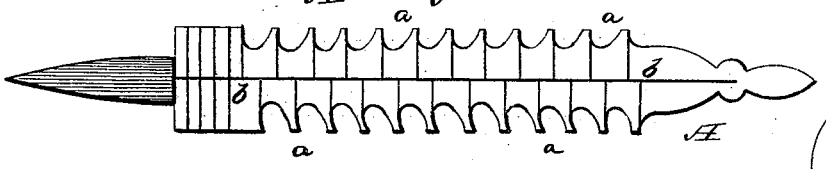
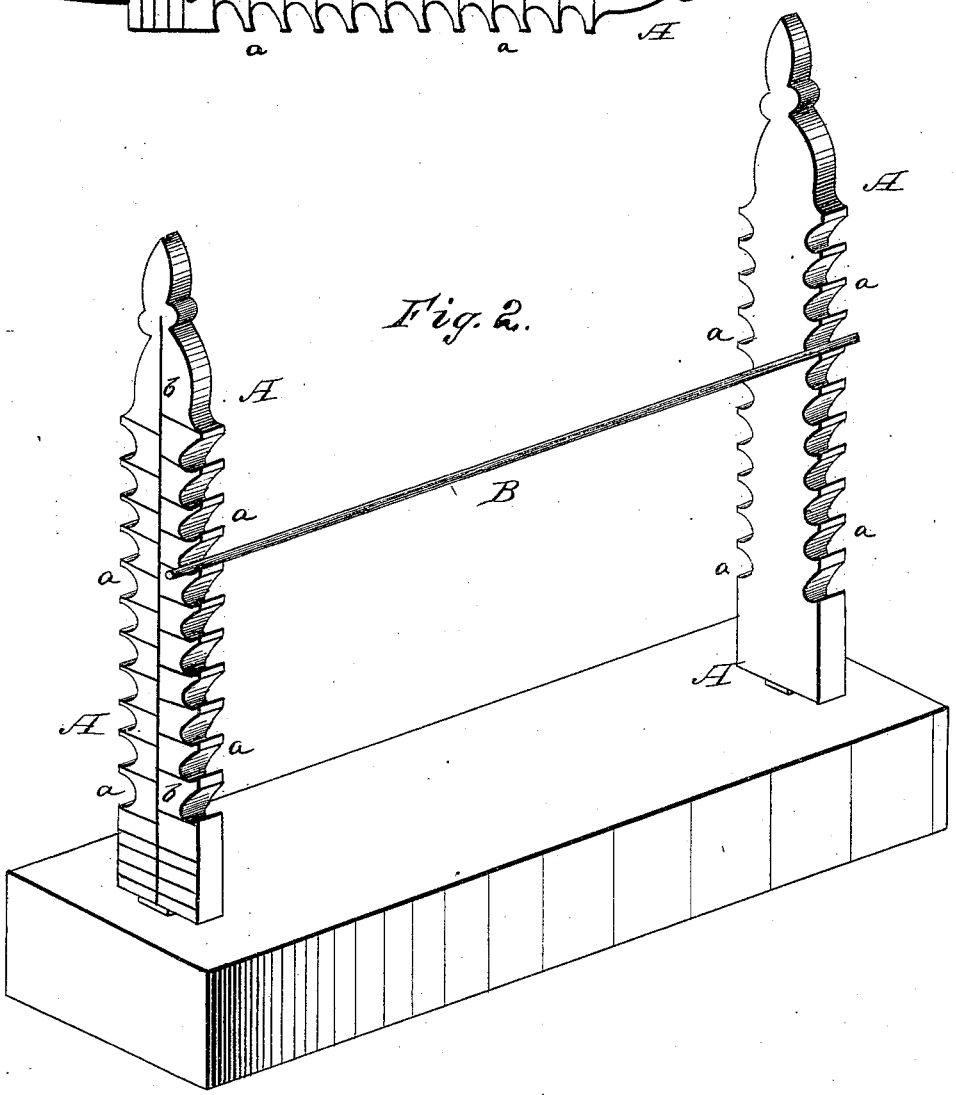


Fig. 2.



Witnesses:

P. C. Dieterich.

Frank A. Duffy

Inventor:

James S. Chamberlin.

Per Charles E. Allen Attorney.

UNITED STATES PATENT OFFICE.

JAMES S. CHAMBERLIN, OF BURLINGTON, VERMONT.

IMPROVEMENT IN GYMNASTIC APPARATUS.

Specification forming part of Letters Patent No. **201,328**, dated March 19, 1878; application filed June 22, 1877.

To all whom it may concern:

Be it known that I, JAMES S. CHAMBERLIN, of the city of Burlington, in the county of Chittenden and State of Vermont, have invented certain new and useful Improvements in Jumping-Poles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The object of my invention is to provide a simple and novel arrangement for measuring the height of a jump or leap, by means of notches on the exterior edges of perpendicular standards, which are gaged in feet and inches, from the surface of the ground, and which device I designate as a "leapometer."

In the drawings, Figure 1 is a plan view of the standard A, with the scale *b* indicated thereon. Fig. 2 is a perspective view of the leapometer.

A A represent the two standards, each of any desired length. They may be made either whole or in sections, to facilitate transportation, and of wood or metal, or of both materials combined. They are pointed at their lower extremities, for the purpose of being set into the ground; or they may be provided with bases, so that they shall stand perpendicular at any convenient distance from each other. One or both of their edges are provided with notches *a a*, which are so made that they will sustain the rod B, which is intended to extend horizontally from one standard to the other. These notches are made at given distances from each other, and are so arranged that their distances above the ground are measured by means of the scale *b*, which is indicated on the side of the standards.

The operation and use of the leapometer will be readily understood from the foregoing description. The standards A A are set upright and parallel with each other, each end of the rod B resting horizontally on one of the notches *a a*, the scale *b* indicating its height above the ground. The notches *a a*, being open in front, allow the rod B to be readily removed from them, either for the purpose of adjustment, or by being hit in the act of jumping, thereby guarding against the liability of serious injury to the person leaping by tripping or becoming entangled in the ordinary cord.

I do not claim as new the design of parallel standards or poles to sustain a cord or bar to leap over; but

I do claim as my invention and desire to secure by Letters Patent—

The combination of the measuring-scale *b* with the standards A and rod B, substantially as and for the purposes described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JAMES S. CHAMBERLIN.

Witnesses:

CHARLES E. ALLEN,

B. S. JONES.