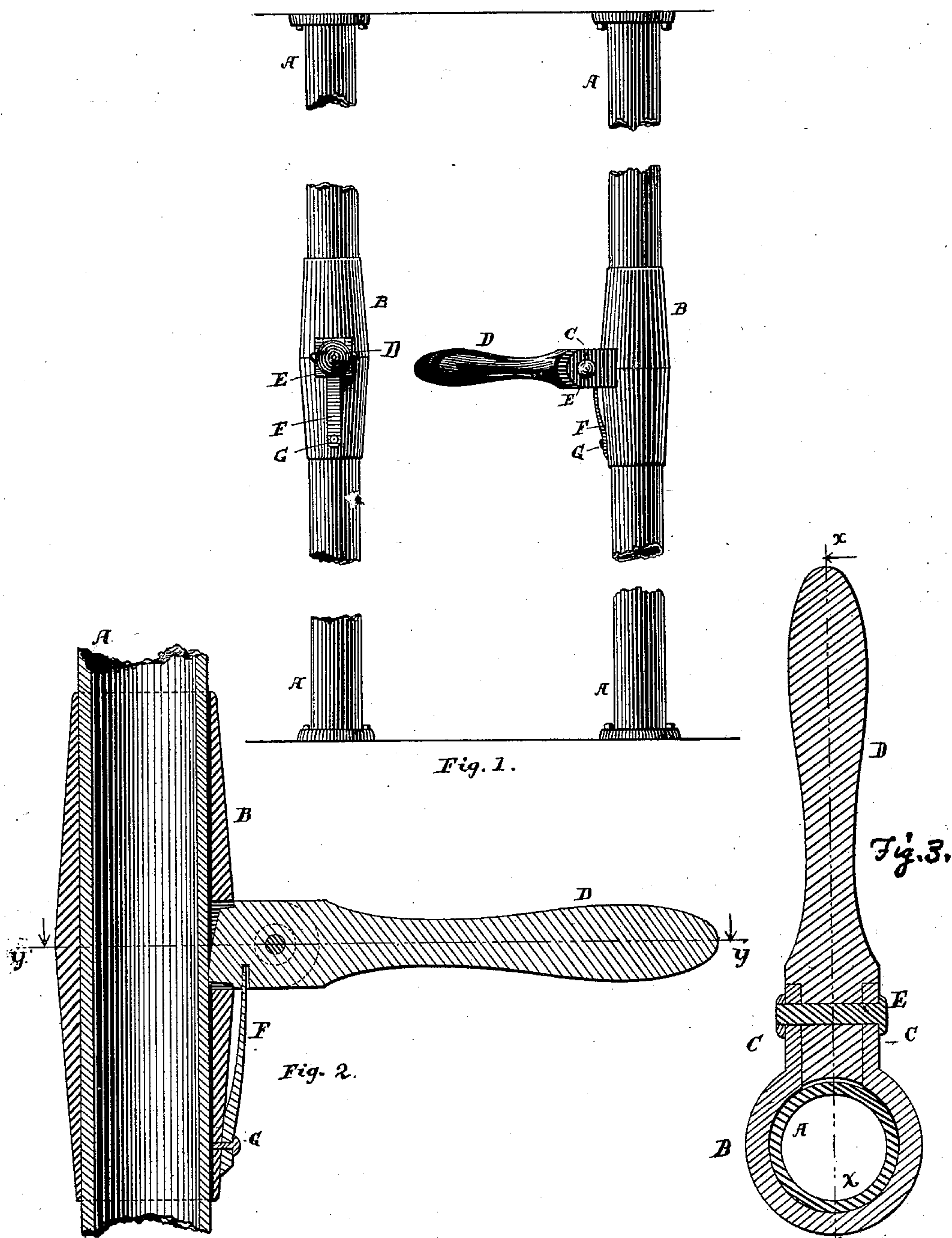


(No Model.)

T. PETERSON.
PEG POLE.

No. 450,187.

Patented Apr. 14, 1891.



WITNESSES

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UNITED STATES PATENT OFFICE.

THEODORE PETERSON, OF AKRON, OHIO, ASSIGNOR TO THE HOWARD MANUFACTURING COMPANY, OF SAME PLACE.

PEG-POLE.

SPECIFICATION forming part of Letters Patent No. 450,187, dated April 14, 1891.

Application filed November 22, 1890. Serial No. 372,278. (No model.)

To all whom it may concern:

Be it known that I, THEODORE PETERSON, 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 Apparatus for Gymnastic Exercise, of which the following is a specification.

My invention has relation to improvements in apparatus for gymnastic exercise, and the class of apparatus upon which this is an improvement is that denominated "peg-poles," consisting of a vertical pole having holes alternating at different heights on opposite sides of it, the user being provided with two wooden pin-handles of the correct size to fit in said holes and project far enough therefrom to form a support for the hand of the user. In using this the operator inserts one pin as high as he can reach, then draws himself up thereby, and inserts the second one in any desired hole above, and so on until he ascends the pole. On descending this operation is reversed. The objections to this are many and manifest—the danger of breakage of the pins or poles, the liability of the pins sticking or becoming loose in the holes, and the distance which the user must raise himself is arbitrarily decided by the distance between the holes.

The objects of my invention are to produce an improved form of peg-pole which shall embody all the desirable qualities of the one described and overcome the objections urged against it.

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

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is a side elevation of my improved peg-pole with the upright poles shown broken; Fig. 2, a vertical central section at the line x of Fig. 3. Fig. 3 is a horizontal central section through the line y of Fig. 2.

In the drawings, A A are two upright sec-

tions of wrought-iron pipe, preferably screw-threaded on both ends, arranged to receive flanged collars, said collars being fastened by bolts or screws to the ceiling and floor of the room in which it is intended to be used.

On each of the uprights A A are sliding sleeves B B, thickest at their centers and tapering toward their ends. Projecting horizontally from the centers of said collars, and preferably made integral therewith, are two ears C C, embracing between them the end of a handle D, pivoted on a bolt E. Between the ears C is an opening through the sleeve B to permit the end of the handle D to engage the pipe A.

The front face of the handle D is made curved and eccentric to the pivotal point of said handle, its greatest radius being at the bottom, and so constructed that when the outer end of the handle is raised it will be free from the pipe A, but when lowered it will press against said pipe and prevent the descent of the sleeve.

To insure a sufficient retaining-pressure on the cam, in addition to the weight of the handle D, a spring F is used attached to the lower end of the sleeve B and held in place by a cap-screw G, and so arranged as to give a slight constant inward pressure on the face of the handle, so that when released by the hand the sleeve will not fall.

The operation is so similar to the peg-pole described as to scarcely require more explanation—that the user in raising himself by these handles can by holding himself on one handle raise the other to any desired height, and it will instantly grip the pipe by means of the cam without any danger of slipping. By this arrangement the user may raise or lower himself any desired distance, the mechanism permitting of the slightest movement.

The distance between the pipes A A can be varied to suit the taste or requirement of the user.

What I claim, and desire to secure by Letters Patent, is—

1. In a gymnastic apparatus, the combination of a vertical rod bearing a sliding sleeve, said sleeve carrying a swinging arm, one end terminating in a handle, the other forming a

cam to grip said rod and retain said sleeve at any desired height, substantially as shown and described.

5 2. In a gymnastic apparatus, the combination of a vertical rod, a sleeve arranged to slide on said rod, said sleeve bearing a handle, and a spring arranged to press said handle against said rod and arrest the descent

of the sleeve, substantially as shown and described. 10

In testimony that I claim the above I hereunto set my hand.

THEODORE PETERSON.

In presence of—

FREDERICK HARVEY STUART,
CLARENCE EDWIN HUMPHREY.