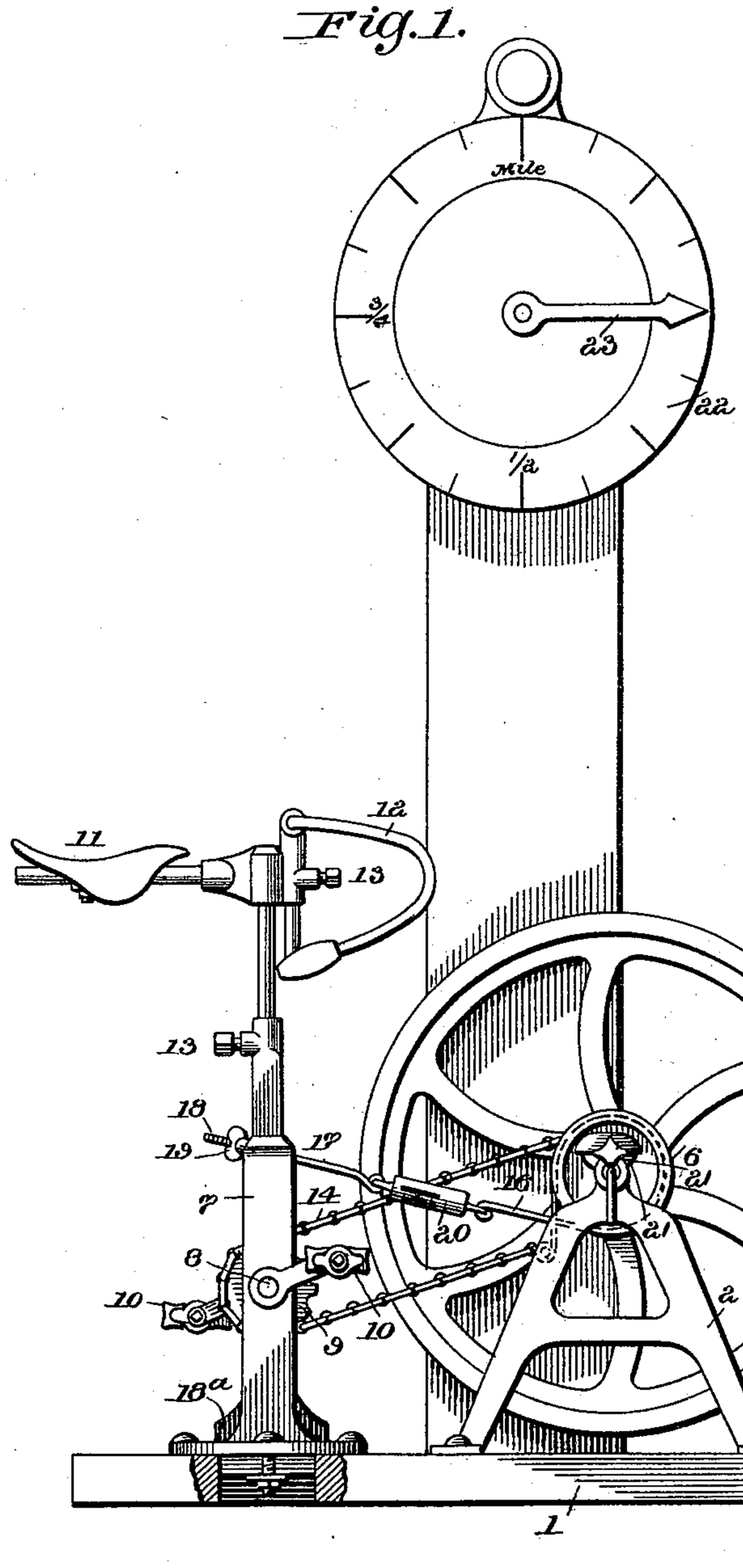
(No Model.) 2 Sheets—Sheet 1.

# H. S. ROBINSON.

## BICYCLE TRAINER.

No. 562,198. Patented June 16, 1896.

*Fig. 1.*

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(No Model.) 2 Sheets—Sheet 2.

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## BICYCLE TRAINER.

No. 562,198. Patented June 16, 1896.

*Fig. 2.*

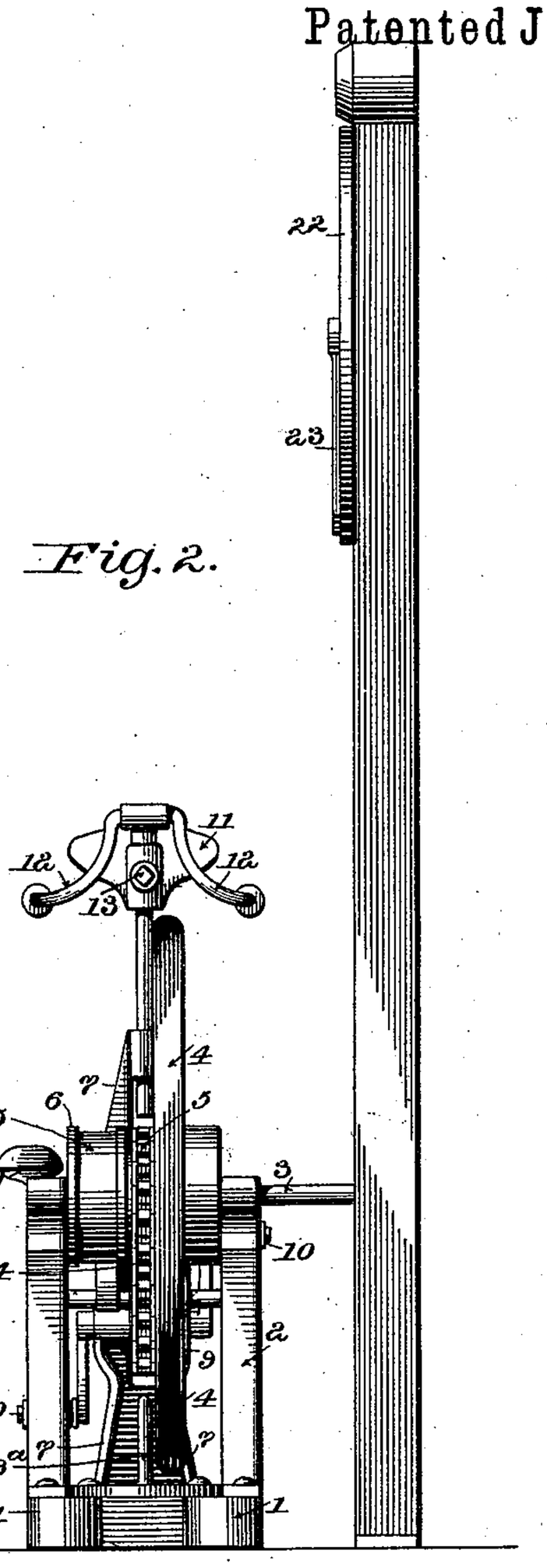
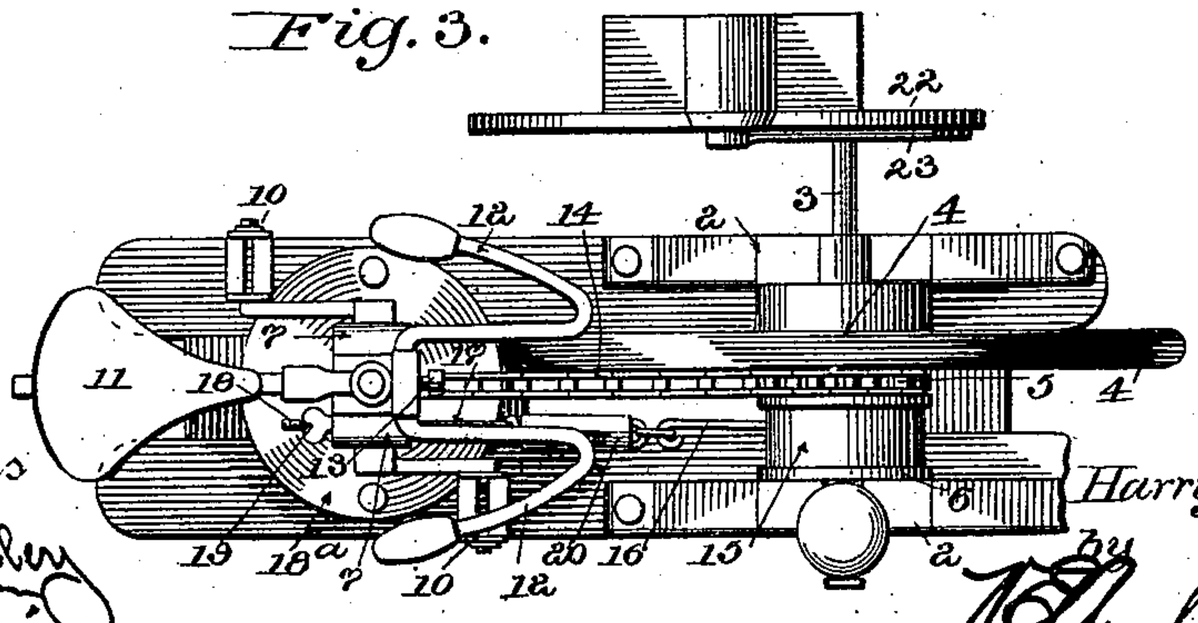



*Fig. 3.*

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# UNITED STATES PATENT OFFICE.

HARRY S. ROBINSON, OF MEADVILLE, PENNSYLVANIA.

## BICYCLE-TRAINER.

SPECIFICATION forming part of Letters Patent No. 562,198, dated June 16, 1896.

Application filed December 2, 1895. Serial No. 570,812. (No model.)

*To all whom it may concern:*

Be it known that I, HARRY S. ROBINSON, a citizen of the United States, and a resident of Meadville, in the county of Crawford and State of Pennsylvania, have invented a certain new and useful Improvement in Exercising-Machines, of which the following is a description.

My invention has relation to exercising-machines, and my object is to provide a device of this character which will be cheap to manufacture and durable in use.

In the accompanying illustrations, forming part of this specification, Figure 1 is a side elevation of my invention. Fig. 2 is an end elevation thereof, and Fig. 3 a plan view of my invention.

Referring to the drawings, 1 indicates a base-piece, to which are secured in any suitable manner two uprights 2, having a shaft 3 journaled therein. Mounted on said shaft 3 is a fly-wheel 4, having attached to it a sprocket-wheel 5. 6 indicates a band-brake wheel also secured to the shaft 3. Also secured to the base-piece 1 is a standard 7, having a shaft 8 journaled therein, and a sprocket-wheel 9 mounted on said shaft. 10 indicates pedals of the usual construction secured to said shaft 8 in any desired manner.

A saddle 11 and handle-bars 12 are slidably secured to the upright 7, and are adapted to be adjusted as desired by means of the set-screw 13. A drive-chain 14 connects the sprocket-wheel 9 to the sprocket-wheel 5. Secured to a rod underneath the band-brake wheel 6 is a band-brake 15, to whose end is attached a rod 16, for a purpose to be hereinafter described. Passing through an opening in the upright 7 is a rod 17, one of whose ends is screw-threaded, as at 18, and provided with an adjusting thumb-screw 19.

20 indicates a spring-scale to whose ends are secured the loose extremities of the rods 16 and 17.

An adjusting-plate $18^a$ is secured to the base 1, and is so arranged that the upright 7 may be either moved to or from the fly-wheel as desired.

A cyclometer 21 is arranged at one side of the upright 2, while at the side of the fly-wheel and attached to the axle 3 is suitably arranged a large wall-dial 22, having a pointer 23 thereon, which is so arranged as to indicate the number of miles made by the rider.

The operation of my trainer is simple. The rider first adjusts the band-brake to any desired resistance by means of the thumb-screw 19, and takes his position in the saddle with his hands on the handle-bars and feet on the pedals, the distance which he travels being indicated by the dial.

The gear of the device may be increased or lessened as desired by means of the adjusting-rod 17.

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

A training-machine comprising a base having secured thereto an upright adapted to be moved either toward or from the fly-wheel, a shaft journaled in said upright, a separate wheel mounted on said shaft having pedal-cranks secured thereto said upright having an adjustable saddle and handle-bar, standards having mounted therein a fly-wheel, sprocket-wheel, and a band-brake and adjusting means for increasing or decreasing the resisting power of said band-brake consisting of a spring indicator-scale, having one end thereof secured to the band-brake and its other end secured to a rod passing through the upright and means comprising a set-screw on said rod for adjusting the tension of the spring, as set forth.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

H. S. ROBINSON.

Witnesses:

E. H. CALLAHAN,

J. M. ROBINSON.