

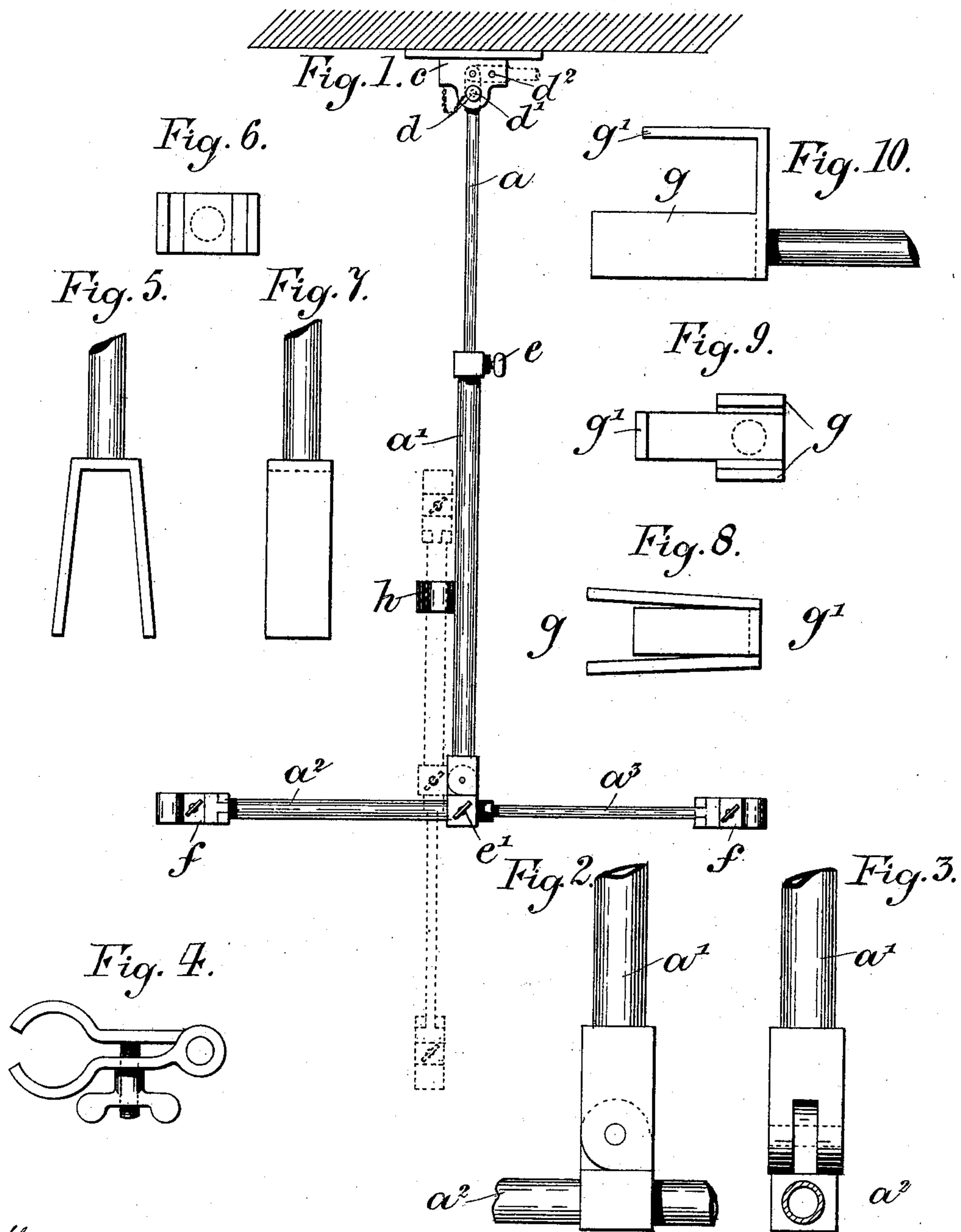
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Patented Feb. 7, 1899.

H. T. SAYER.
BICYCLE SUPPORT.

(Application filed Feb. 21, 1898.)

(No Model.)



Witnesses:

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UNITED STATES PATENT OFFICE.

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BICYCLE-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 618,999, dated February 7, 1899.

Application filed February 21, 1898. Serial No. 671,072. (No model.)

To all whom it may concern:

Be it known that I, HENRY TAYLOR SAYER, a subject of the Queen of Great Britain and Ireland, residing at 86 New Kent road, London, England, have invented certain new and useful Improvements in Holding or Supporting Velocipedes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to the safe support and storage of velocipedes in railway-vans, hotels, or other suitable rooms or apartments, the object being to provide simple means for firmly securing and holding in position velocipedes as aforesaid. The means I employ is of simple construction, not liable to get out of order, and while holding or securing the velocipede in such a manner as to prevent any possibility of its shifting about it allows of any single velocipede being quickly and easily removed when required, while when my improved means or device is not in use for supporting or holding a velocipede it can be swung up overhead by reason of its construction, so as to occupy no floor-space, and thus in the case of railway luggage-vans the space can be used for the storage of ordinary luggage.

In order that my invention may be more fully understood, I will now proceed to describe same, with reference to the accompanying drawings, in which—

Figure 1 is an elevation of my improved device for supporting, securing, or holding velocipedes. Fig. 2 is a side elevation of the lower pivotal joint, drawn to an enlarged scale as compared with Fig. 1; and Fig. 3 is a view at right angles to Fig. 2. Fig. 4 is a side elevation of a clamp suitable for use in connection with my improved device. Figs. 5, 6, and 7 show three views of a fork suitable for use in connection with my improved device, intended to be more particularly used in connection with gentlemen's machines, while Figs. 8, 9, and 10 show three views of a slightly-different form of fork, more particularly intended for use in connection with ladies' machines.

My improved device comprises a rod or bar *a*, pivoted to a suitable bracket *c*, and which

may be secured in either a vertical position for use or in a horizontal position when not required for holding a velocipede by means of a pin *d*, passing through the holes *d'* or *d''*, as required, the second position of the bar being slightly indicated in dotted lines, while the pin *d* is preferably secured to the bracket *c* by means of a short length of cord, chain, or the like, so as to prevent the said pin being lost.

The rod or bar *a* is arranged to slide telescopically within the tube *a'*, and may be secured at any required position by a suitable set-screw or the like, such as *e*, while to the end of the tube *a'* is pivoted a tubular arm *a''*, carrying a rod *a'''*, arranged to slide telescopically within same and designed to be secured at any required position by means of the set-screw *e'*, while the ends of the tubular arm *a''* and rod *a'''* are furnished with suitable clamps, clips, or forks *f*, as hereinafter more fully referred to.

When my improved device is required for supporting, securing, or holding a lady's machine, it is employed in the position shown in Fig. 1, in which case the clamps *f*, which may be of any suitable construction—such, for instance, as that shown at Fig. 4—are secured, preferably, one to the tubular stem of the handle-bar and one to the saddle-pin, or it is obvious that they may be secured to any other suitable part of the velocipede-frame.

The machine when firmly secured to the device, as above described, can then be either raised from the ground or floor or forced into close contact with same by either raising or lowering the tubular part *a'* by means of the telescopic arrangement, when it is clamped in the required position by means of the screw *e*. Where the machine is intended to be forced against the ground or floor and secured in this manner, which is a very suitable method to employ in railway luggage-vans, transit-vans, and the like, the clamps *f* may be replaced by suitable forks, such as shown in Figs. 5 to 10, a fork of the construction shown in Figs. 8 to 10 being preferably arranged to secure the handle-bars of the machine, in which case the side arms *g* embrace the tubular stem of the handle-bar, while the upper arm *g'* passes over same, while a fork such as shown at Figs. 5 to 7 is arranged to

pass around the saddle-pin or the main down-tube of the machine, the distance between the two forks, which are of course carried by the ends of the rod a^3 and tubular arm a^2 , being regulated by the telescopic arrangement of these parts.

Where my improved device is intended for supporting or holding a gentleman's machine, the tubular arm a^2 and rod a^3 are turned into a vertical position, as shown in dotted lines in Fig. 1, and retained in that position, preferably, by means of any suitable spring-clip, such as h . In this case the lower clip f embraces the top bar of the frame, when the machine may be either raised from the ground or brought into close contact with it, while for this latter purpose the clamp may be dispensed with and a fork such as shown in Figs. 5 to 7 be employed.

The arms or jaws of the forks or clamps are preferably covered upon their inner surface with india-rubber or other suitable soft material to prevent the plating or enamel of the machines from being damaged.

I do not restrict myself to any particular

form of construction of clamp or forks, although those shown in the drawings are very suitable for the purpose.

I claim—

In a bicycle-support, the combination, with a bracket secured to a ceiling, of a bar pivoted to the said bracket, means for supporting the said bar when set at an angle, a tube a' slidable on the said bar and provided with a clamping device and a laterally-projecting clip, a normally horizontal tube a^2 pivoted to the lower end of the tube a' and engaging with the said clip when placed in a position parallel with the tube a' , a rod a^3 slidable in the tube a^2 and provided with a clamping device, and jaws for engaging the bicycle carried by the opposite end portions of the tube a^2 and rod a^3 , substantially as set forth.

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

HENRY TAYLOR SAYER.

Witnesses:

CHAS. LEASON,

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