March 29, 1927. 1,622,383

C. W. JESKE

MOTOR CYCLE STAND

Filed March 12, 1926 2 Sheets-Sheet 1

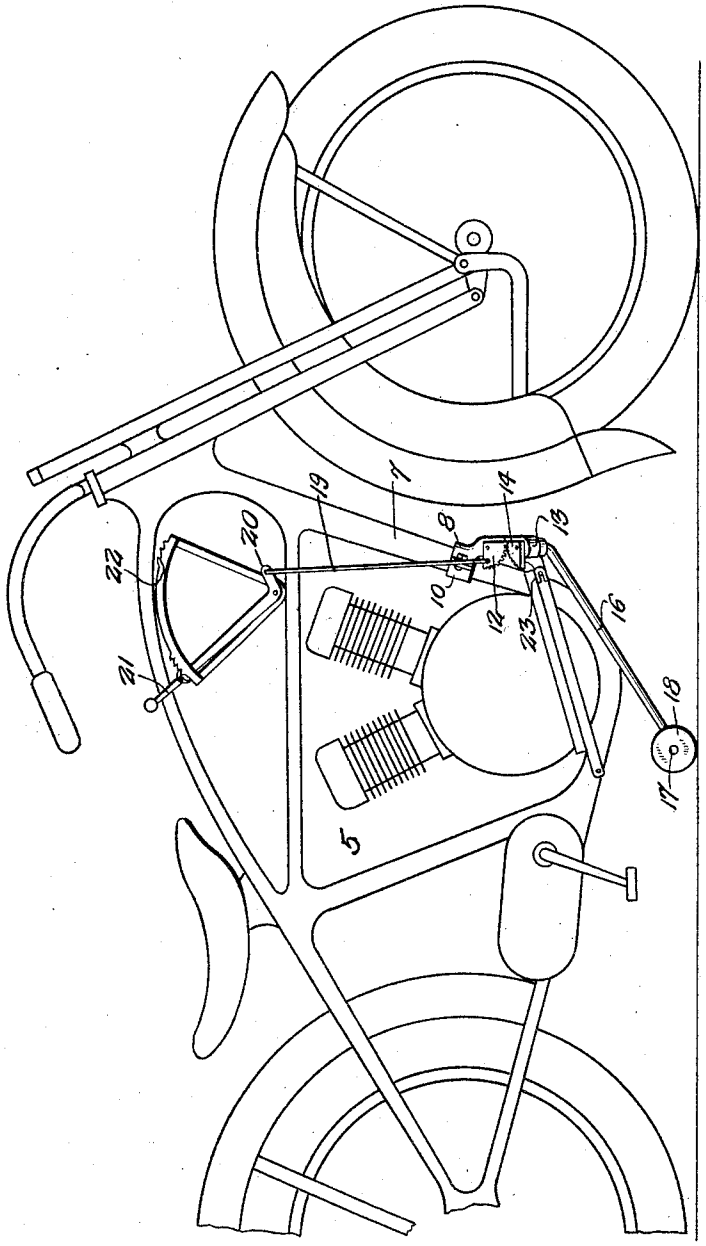


Fig. 1.

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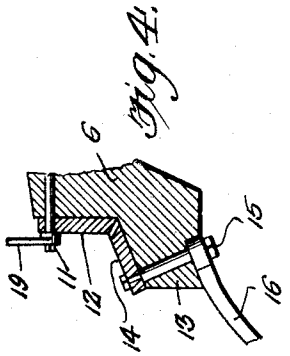


Fig. 4.

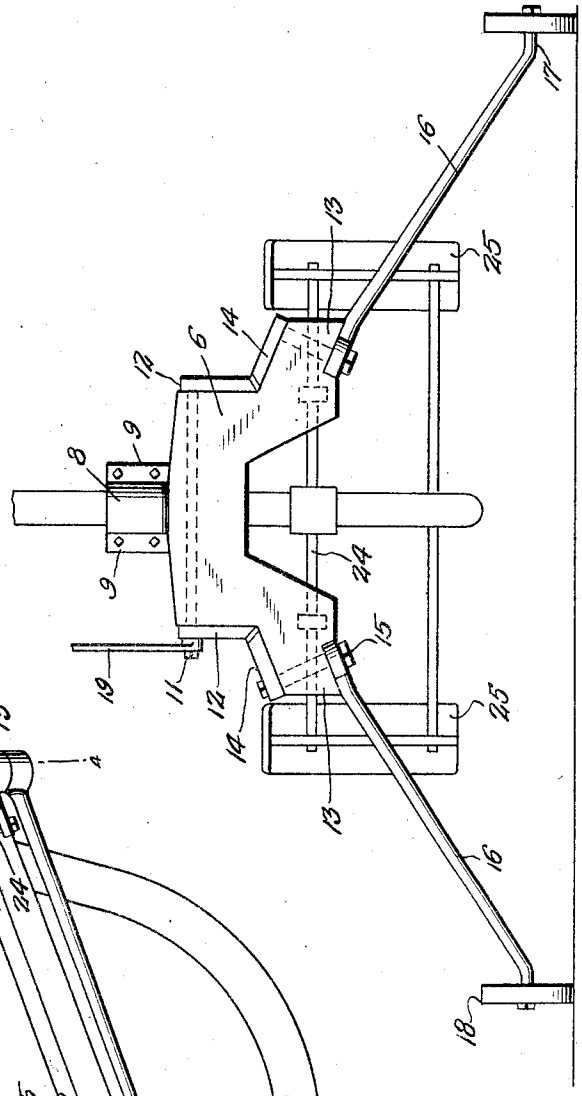


Fig. 2.

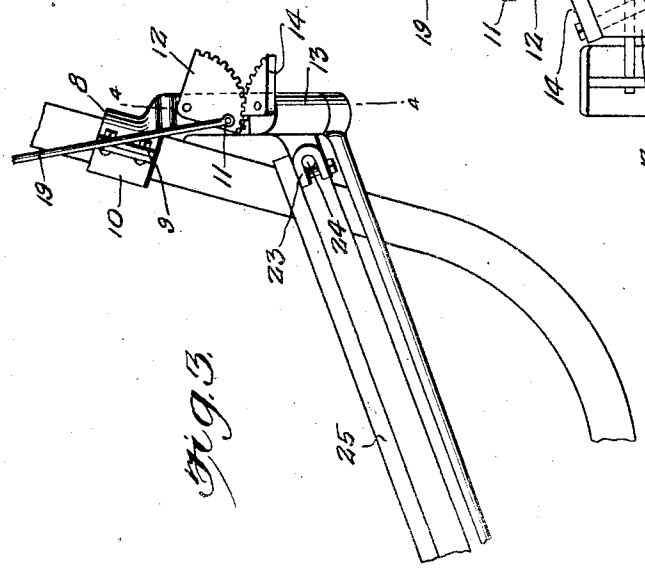


Fig. 3.

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Patented Mar. 29, 1927. 1,622,383

UNITED STATES PATENT OFFICE.

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MOTOR-CYCLE STAND.

Application filed March 12, 1926. Serial No. 94,225.

This invention relates generally to motor cycles and has more particular reference to a supporting stand therefor, in order that the machine may be conveniently supported in upright position when being displayed or when not being used by the rider, the primary object of the invention being to substantially improve and simplify over stands heretofore employed for this purpose.

A further object of the invention resides in the provision of a stand that will prevent the motor cycle from tilting, not only while the same is not being used, but also while the motor cycle is being ridden by a beginner in order to assist the beginner in the proper operation of the machine without the resultant dangers ever present in the operation of motor cycles by beginners, the construction of the stand being such as to permit the movement of the machine while the supporting legs of the stand are in engagement with the road surface.

A still further object of this invention is to enable the machine to be conveniently reversed without requiring the operator to support the same by resting his feet upon the ground.

A still further object is to provide a stand of this character that may be readily extended to operative or inoperative positions by a lever that is arranged adjacent the steering bars of the machine.

Other objects will become apparent as the nature of the invention is better understood, the same comprising the novel form, combination and arrangement of parts hereinafter more fully described and shown in the accompanying drawings and claimed.

In the drawings wherein like reference characters indicate corresponding parts throughout the several views:—

Figure 1 is a side elevation of a conventional form of motor cycle equipped with my improved stand,

Fig. 2 is a fragmentary view in front elevation of the machine, from which the steering wheel and supporting fork have been removed for disclosing in front elevation my improved stand, the supporting bars thereof being disclosed in machine-supporting position,

Fig. 3 is an enlarged fragmentary elevation of the forward frame bar of the motor cycle to which my support is attached, disclosing the adjacent supporting bar in unsupporting position, and

Fig. 4 is a fragmentary section taken substantially on the line 4—4 of Fig. 3.

Now having particular reference to the drawings, 5 designates generally a conventional form of motor cycle with which my improved support is adapted for association. Said support constitutes the provision of a block 6 preferably of cast metal and of the shape more clearly shown in Fig. 2. This block is adapted to be arranged over the front side of the forward frame bar 7 of the motor cycle and is formed at its upper edge with a slightly forwardly offset and inclined clamp section 8 that is adapted for arrangement around the forward side of said frame bar as shown clearly in Figs. 1, 2 and 3. This clamp section is formed adjacent its opposite vertical edges with flanges 9 in order that the complementary clamp section 10 may be rigidly bolted thereto for combining with the block carrying section 8 in clamping the block upon said frame bar.

Extending transversely through the block 6 directly beneath the clamp section 8 thereof is a shaft 11, the opposite ends of which extend through said slots and have keyed thereto pendant segmental gears 12, the teeth upon the lower edges of which are beveled as more clearly disclosed in Figs. 2 and 4.

The block 6 is so shaped as to provide lateral extensions 13 at the lower edge and opposite ends of the block as clearly shown in Fig. 2. The top sides of these extensions being inclined as shown in both Figs. 2 and 3. While resting thereon, are segmental gears 14—14 similar in shape to the gears 12 and having beveled teeth at the inner sides thereof for mesh with the teeth of the gears 12, Fig. 3. These gears 14 are mounted for swinging movement upon the block extension through reason of bolts 15 arranged for rotation within diagonally extending openings in the extension, Fig. 4.

Mounted upon the lower ends of the bolts 15 are the inner ends of metallic bars 16, the lower ends of which are bent horizontally at 17 for receiving ground or road engaging supporting wheels 18. Pivotally secured to the segmental gear 12 upon the right hand end of the block carrying shaft 11, beneath and rearwardly of its point of attachment to said shaft, is the lower end of a rod 19 that extends upwardly and is in turn pivotally connected to the forwardly

bent end 20 of a hand lever 21, which is pivoted at its lower end to a segment 22 that is conveniently arranged upon the side of the motor cycle frame or upon the gasoline tank supported by said frame, said hand lever being provided with a suitable detent for cooperation with teeth of the segment for maintaining the same in position to retain the support in operative or inoperative position as shown in Figs. 1 and 3 respectively.

For assisting the clamp sections 8 and 10 in securing the block 6 to the machine frame 7, the rear sides of the extensions 13 of said block are formed with yokes 23 that engage over the usual forward connecting bar 24 between the foot boards 25—25 at opposite sides of the machine frame.

It will be apparent that by throwing the lever 21 rearwardly of the segment 22, the segmental gears 12 will be actuated for controlling the gears 14 which in turn will rotate the bolts 15 in the extension of the block for moving the wheel carrying bars 16 outwardly of the machine into the position shown in Figs. 1 and 2, in which position the machine will be prevented from tilting, whereby all of the results heretofore attributed will be accomplished.

Minor changes may be made in the invention without departing from the spirit and scope of the appended claim.

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

In a structure of the class described, a block, a clamp adapted to be connected therewith and adapted to be attached to a frame bar of the machine to be supported, a shaft mounted for oscillation upon said block, stub-axles carried by the end portions of the block, intermeshing gearing between said shaft and said stub-axles, a pair of arms connected to said stub axles, and rollers on the outer ends of the arms.

In testimony whereof I affix my signature.

CLARENCE W. JESKE.