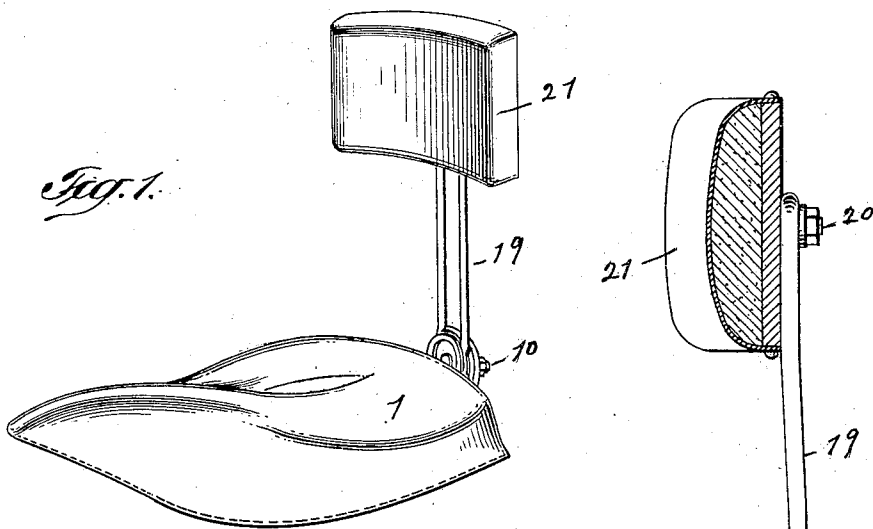
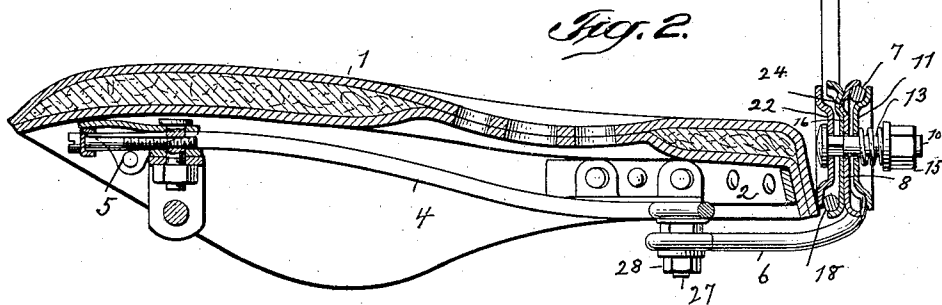
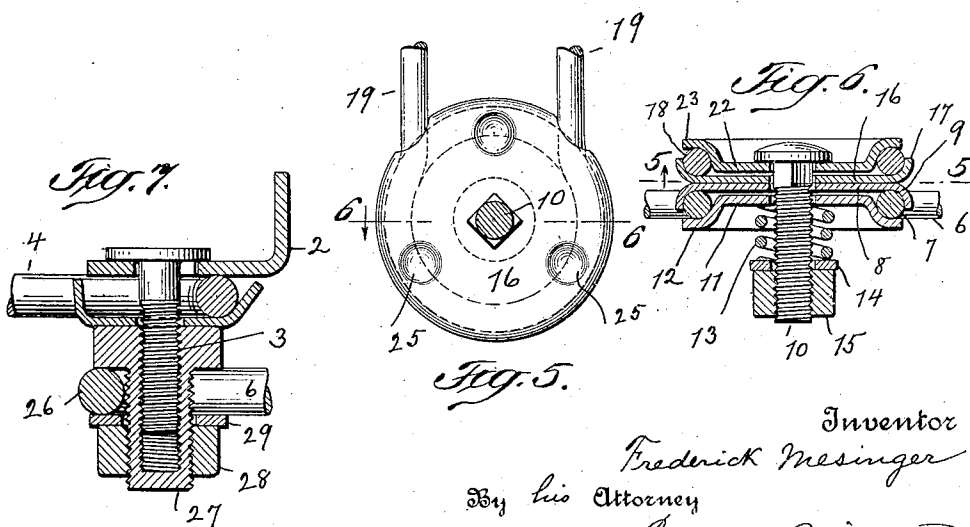


F. MESINGER.
SADDLE FOR MOTOR CYCLES.
APPLICATION FILED JUNE 18, 1917.

1,240,587.

Patented Sept. 18, 1917.
2 SHEETS—SHEET 1.



Inventor
Frederick Mesinger
By his Attorney
J. A. B. Briesen

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Fig. 3.

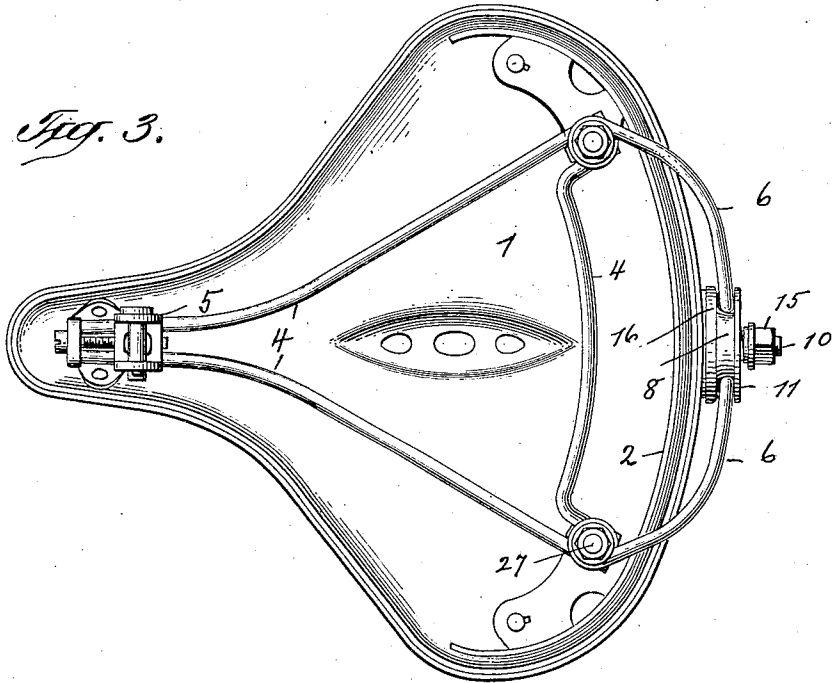
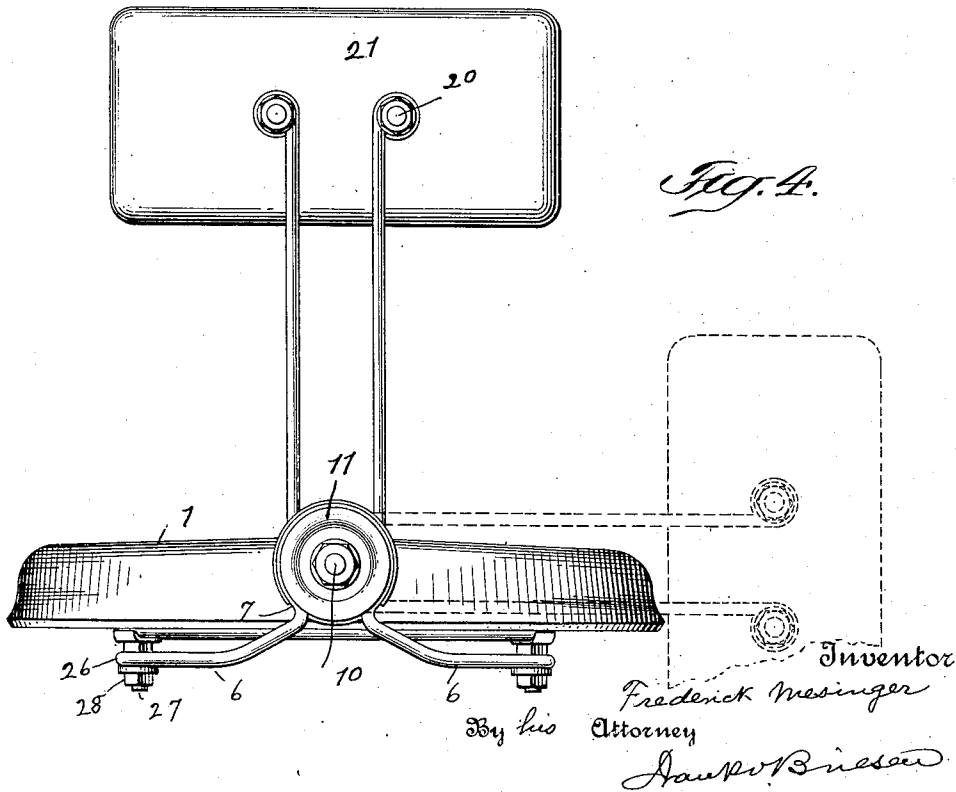


Fig. 4.



UNITED STATES PATENT OFFICE.

FREDERICK MESINGER, OF NEW YORK, N. Y.

SADDLE FOR MOTOR-CYCLES.

1,240,587.

Specification of Letters Patent. Patented Sept. 18, 1917.

Application filed June 18, 1917. Serial No. 175,287.

To all whom it may concern:

Be it known that I, FREDERICK MESINGER, a citizen of the United States, and a resident of New York city, in the county of Bronx and State of New York, have invented certain new and useful Improvements in Saddles for Motor-Cycles, of which the following is a specification.

This invention relates to a saddle for motor cycles and more particularly to a novel construction of the saddle back. During use, it contributes largely to the comfort of the rider, if the saddle be furnished with a back rest, but as in mounting, a leg must be thrown across the saddle, it is not practicable to employ a fixed back. A back which can be tilted backward is objectionable for several reasons, the principal one being that it is liable to interfere with the luggage which it is customary to strap to the machine at the rear of the rider. By my invention, the back is so constructed, that it may be swung sidewise of the saddle top, and will thus be lowered to such an extent as to be readily cleared during mounting and dismounting. The invention comprises the various features of novelty more fully pointed out in the specification and appended claims.

In the accompanying drawings:

Figure 1 is a perspective view of a saddle for motor cycles embodying my invention;

Fig. 2, a longitudinal section thereof;

Fig. 3, a bottom view;

Fig. 4, a rear view;

Fig. 5, a section through the clamp on line 5—5 Fig. 6;

Fig. 6, a section on line 6—6 Fig. 5, and

Fig. 7, a section through one of the sleeves and adjoining parts.

The body of the saddle comprises a top 1 having a cantle 2, to which is secured by bolts 3, the rear end of a stay spring 4, the front end of said spring being secured to top 1, by means of a suitable nose piece 5. All of the above parts are of conventional or suitable construction and do not form part of the present invention.

From the back of the saddle top 1, there

projects, a support or bracket 6, shown to be formed of a single length of heavy wire, the two ends of which are connected to the top preferably by means of the bolts 3. From these bolts, the two shanks of the wire extend first rearwardly to clear the top and thence converge along the back of the top, where they are formed into an upwardly extending circular loop 7 which is arranged in a plane at right angles to the axis of the saddle. This loop is engaged along its front side by a preferably circular first member 8 of a clamp, having a peripheral groove 9, for the accommodation of the loop. Within a central opening of member 8 is seated a bolt or pivot 10 the axis of which coincides with the longitudinal axis of saddle top 1. Upon this bolt, is mounted a dished plate 11 having a peripheral groove 12, that engages the back of loop 7, said plate constituting the second member of said clamp. Plate 11 constitutes an abutment for a coiled spring 13, encircling the rear protruding end of bolt 10, and engaging at its back, a washer 14 mounted upon the bolt, said washer being in turn engaged by a nut 15 threaded upon the bolt and by means of which the tension of spring 13 may be regulated. It will be seen that by the construction described, clamp members 8 and 11 conjointly encompass loop 7, against which they are tightly held by means of the spring 13.

In advance of member 8, there is mounted on bolt 10, a first member 16 of a second clamp, which is preferably likewise of circular form. This member 16 has a peripheral groove 17 that engages the rear face of a loop 18 formed on the lower end of an approximately U-shaped wire having a pair of upwardly extending shanks and constituting the main body of a saddle back 19. These shanks are eyed at their upper ends for the reception of bolts 20, by means of which a suitably shaped and cushioned back rest 21 is secured to the shanks. In advance of member 16, there is mounted on bolt 10, a cooperating dished plate 22 constituting the second member of said second clamp and having a circumferential groove 23 that

engages the front of loop 18, members 16 and 22 being by spring 13, held against opposite faces of loop 18, so as to tightly encompass the same. By the construction described, the two clamps extend with their faces at right angles to the axis of the saddle, so that the saddle back is free to be swung sidewise of the saddle top in a vertical plane, extending substantially at right angles to the axis of said top. At the same time, the two clamps owing to their face-wise engagement permanently sustain the saddle back against a rearwardly tilting movement.

Spring 13, in addition to clamping members 8 and 11 against loop 7 of bracket 6, and of clamping members 16 and 22 against loop 18 of saddle back 19, assumes the additional function of drawing the contiguous faces of the two clamp members 8 and 16 toward each other, said members thus co-operating to form conjointly a clamp or clutch adapted to sustain the saddle back in an upright position. One of these members (say member 8) is provided with a plurality of protuberances 24 adapted to engage a corresponding number of sockets 25 formed in the other member (say member 16) when the saddle back is righted, so as to lock said back in its normal vertical position, said protuberances clearing said sockets against action of spring 13 when the saddle back is tilted out of its upright position.

When the back constructed as described is affixed to a new saddle, the bolts 3, should be made of such length that they will become engaged by the eyed ends 26 of the wire constituting the bracket 6. When however, the back is to be attached to a finished saddle, it is necessary to prolong such bolts so as to obviate dismembering of the saddle. For this purpose, there is fitted on each bolt 3, a tubular sleeve 27 having an inner thread that engages said bolt, and also an outer thread, engaged by a nut 28. The eye 26 of bracket 6 encircles sleeve 27 and is held thereto by nut 28, and an interposed washer 29.

In mounting, the saddle back is grasped and swung sidewise, to assume a substantially horizontal position, (dotted lines Fig. 4) the correlation of the parts being such that by this operation, the back rest 21 will be projected to the side of saddle top 1, and will be lowered to such an extent that it may be readily cleared by the leg of the rider. After the rider is seated, he swings the back upward into its vertical position, in which it will be securely sustained by means of the spring-actuated interlocking clamp members. The back of the saddle constructed as described, may be readily manipulated, permits easy mounting or dismounting, does not interfere with the luggage when swung down, and is so strongly braced by the pecu-

liar construction of the clamps and co-operating parts, that it is not liable to yield or bend backward under pressure.

I claim:

1. A saddle for motor cycles comprising a saddle top, a support at the rear thereof, a first clamp member engaging said support and extending transversely to the saddle top, a saddle back, and a second clamp member engaging the saddle back, and in facewise contact with the first named clamp member.

2. A saddle for motor cycles comprising a saddle top, a support at the rear thereof, a clamp member engaging said support and extending transversely to the saddle top, a saddle back, a second clamp member engaging the saddle back and in facewise contact with the first named clamp member, and a bolt coaxial with the saddle top and extending through the clamp members.

3. A saddle for motor cycles comprising a saddle top, a support at the rear thereof, a clamp member engaging said support and extending transversely to the saddle top, a saddle back, a second clamp member engaging the saddle back and in facewise contact with the first named clamp member, a bolt coaxial with the saddle top and extending through the clamp members, and spring-controlled means for interlocking the clamp members.

4. A saddle for motor cycles comprising a saddle top, a support at the rear thereof, said support having a loop arranged transversely to the saddle top, a first clamp member engaging said loop and extending likewise transversely to the saddle top, a bolt coaxial with the saddle top and engaging said clamp member, a looped saddle back, and a second clamp member engaging said saddle back and in facewise contact with the first named clamp member.

5. A saddle for motor cycles comprising a saddle top, a support at the rear thereof, said support having a loop arranged transversely to the saddle top, a first bipartite clamp engaging said loop and extending likewise transversely to the saddle top, a bolt coaxial with the saddle top and engaging the clamp, a looped saddle back, a second bipartite clamp engaging the saddle back and mounted on the bolt, and a spring encircling the bolt and adapted to draw the clamps toward each other.

6. A saddle for motor cycles comprising a saddle top, a support at the rear thereof, a clamp member carried by the support and extending transversely to the saddle top, said clamp member having a plurality of protuberances, a bolt engaging said clamp member, a second clamp member mounted on the bolt and in facewise contact with the first named clamp member, said second clamp member having a plurality of sockets

adapted to be engaged by said protuberances, spring-controlled means for interlocking the clamp members, and a saddle back engaged by the second named clamp member.

5 7. A saddle for motor cycles comprising a saddle top, a cantle, bolts depending from the cantle, a stay spring engaged by the bolts, threaded sleeves mounted on the bolts,

a bracket having looped ends that encompass the threaded sleeves, nuts threaded on the 10 bolts and operatively engaging the bracket, and a saddle back hingedly connected to said bracket and adapted to be swung side-wise of said top.

FREDERICK MESINGER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."