

(No Model.)

R. SPENCE, Jr.
SAFETY SADDLE BAR.

No. 263,822.

Patented Sept. 5, 1882.

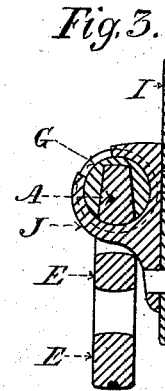
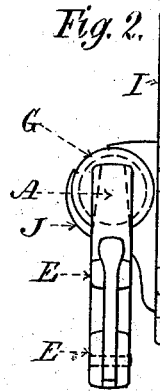
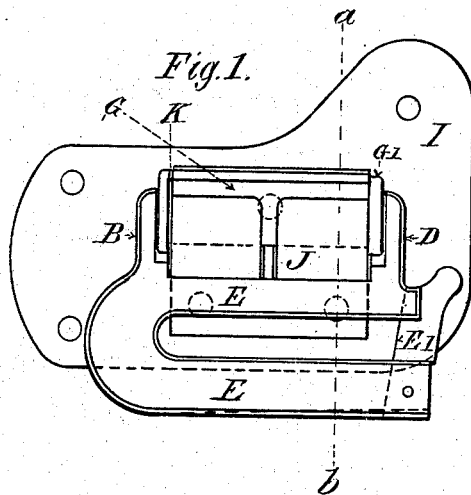


Fig. 4.

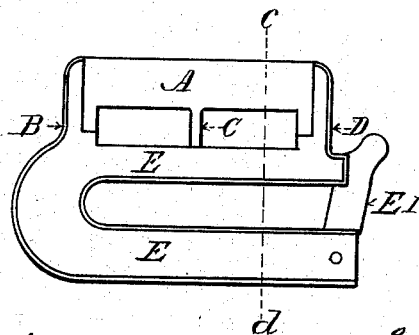


Fig. 5.

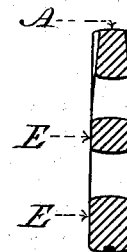


Fig. 10.

Fig. 9.

Fig. 6.

Fig. 7.

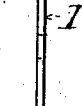
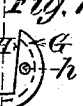
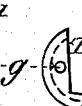
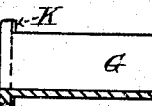
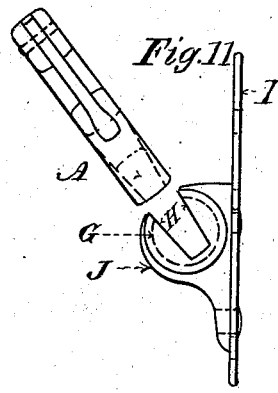
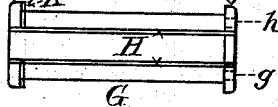


Fig. 8.



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UNITED STATES PATENT OFFICE.

ROBERT SPENCE, JR., OF RICHMOND, COUNTY OF YORK, ENGLAND.

SAFETY SADDLE-BAR.

SPECIFICATION forming part of Letters Patent No. 263,822, dated September 5, 1882.

Application filed May 11, 1882. (No model.) Patented in England October 17, 1881, No. 4,522.

To all whom it may concern:

Be it known that I, ROBERT SPENCE, JR., a subject of the Queen of Great Britain and Ireland, residing at Richmond, in the county of York, Kingdom of Great Britain and Ireland, have invented new and useful Improvements in Safety Saddle-Bars, (for which I have obtained a patent in Great Britain, No. 4,522, bearing date 17th October, 1881,) of which the following is a specification. The accompanying drawings form parts of the specification, and like letters thereon refer to the same or like parts wherever they occur.

My invention relates to an improved safety saddle-bar; and it consists in certain features, hereinafter described, and specifically set forth in the claims.

Figure 1 is a front elevation of a safety-bar constructed in accordance with my invention. Fig. 2 is an end elevation; Fig. 3, a vertical section on the line *a b*, Fig. 1; Fig. 4, a front elevation of the bar detached; Fig. 5, a vertical section on line *c d*, Fig. 4; and Figs. 6 to 11 are details hereinafter described.

Like letters refer to like parts in all the figures.

I represents a backing or foundation-plate, adapted to be secured to a saddle and provided with two brackets, *J*, having circular open bearings adapted to receive a tubular shaft or journal, *G*, Fig. 8, having secured at its ends caps *G'* by rivets *g h*, said caps forming shoulders which prevent longitudinal movement of the journal *G* in the brackets *J*; and to insure a desired amount of friction between the caps and brackets the spring-washer *K* is riveted at its ends inside of and to one of the caps, and, as clearly shown in Fig. 9, the free portion *i* of the washer stands away from the cap, so that when the opposite cap is riveted or soldered to the journal in the brackets a snug fit is secured. The journal is slotted longitudinally, as shown at *H*, as are also the caps.

Figs. 4 and 5 clearly illustrate the construction of the stirrup-strap bar, which consists of an upper portion, *A*, which I term the "safety-

bar" proper, and integral therewith are three connecting portions, *B C D*, and an open strap-loop, *E*, having the usual closing-latch, *E'*. The shape of the bar *A* is such that when presented in the position shown in Fig. 11 it can readily be inserted and removed from the journal *G* through the slot *H*, and when inserted and turned down, as in Figs. 2 and 3, it cannot be removed.

The operation of the device is as follows: The latch *E'* permits of the insertion of the stirrup-strap and retains the same in the loop *E* so long as the strain on the strap is in a normal direction, during which time also the bar *A* is retained in the brackets *J*; but when intentionally, or in case of an accident, the strain upon the stirrup-strap is in a direction unusual, as shown in Fig. 11, which would occur when a horse falls or a rider is unseated, the stirrup-strap may become disengaged through the medium of the latch *E'*, and the separation of the bar *A* from the journal *G* insures additional safety.

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

1. In a safety-saddle attachment, the plate *I*, provided with brackets *J*, having open bearings, in combination with the bar *A* and slotted journal *G*, substantially as shown and described.

2. The combination of the plate *I*, having brackets *J*, provided with open bearings, with the bar *A*, loop *E*, and latch *E'*, substantially as shown and described.

3. The combination of the plate *I*, brackets *J*, journal *G*, spring-washer *K*, and caps *G'* with the bar *A*, loop *E*, and latch *E'*, substantially as shown and described.

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