

N. RUPERT.

STIRRUP.

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1,059,074.

Patented Apr. 15, 1913.

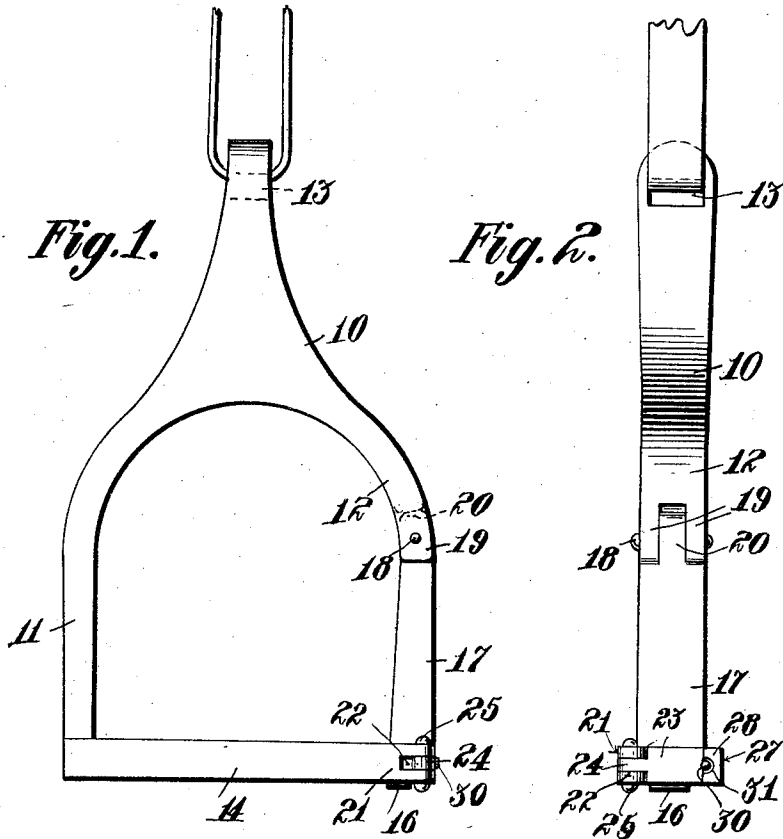
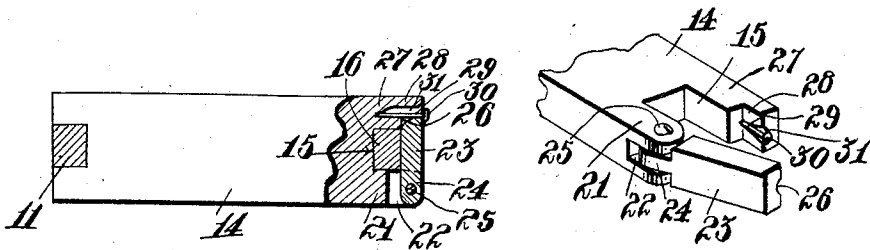


Fig. 3.

Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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STIRRUP.

1,059,074.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, NOLAN RUPERT, a subject of the King of Great Britain, residing at Monkland Station, in the Province of Ontario, Dominion of Canada, have invented certain new and useful Improvements in Stirrups; 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.

This invention relates to stirrups and has for an object to provide a stirrup which will open and release the rider's foot upon the rider being thrown, there being a novel latch yieldingly held in operative position to lock the hinged member of the stirrup normally in operative position, the latch and spring locking pin of the latch being so situated as to be normally flush with the end of the stirrup foot rest so as not to catch in weeds or the rider's clothing.

With the above objects in view the invention consists of certain novel details of construction and combination of parts hereinafter fully described and claimed, it being understood that various modifications may be made in the minor details of construction within the scope of the appended claim.

In the accompanying drawing forming part of this specification:—Figure 1 is a front elevation of the stirrup. Fig. 2 is a side elevation of the stirrup. Fig. 3 is a cross sectional view through the stirrup with the latch bar and part of the foot rest in section. Fig. 4 is a fragmentary perspective view of the end of the foot rest and spring pin.

Referring now to the drawing in which like characters of reference designate similar parts, the stirrup is shown to be of the usual form comprising a bow 10, an inner leg 11, and an outer leg 12 which is approximately one half the length of the inner leg. The bow is provided with the usual attaching eye 13, and bridging the bow at the lower end of the outer leg 11 and integral with the latter is a foot rest 14.

The free end of the foot rest is provided with a longitudinal slot 15 which opens out through the edge of the foot rest and receives the tongue 16 of a hinged extension 17 of the outer leg, the said section being hingedly connected to the outer leg through the instrumentality of a pivot pin 18 passed through the branches of a bifurcation 19 formed in the outer leg and through a tongue 20 which fits in between the branches and is integral with the extension.

The slot 15 bifurcates the foot rest and the branch 21 of the bifurcated end is provided with a centrally disposed horizontal slot 22. A bar latch 23 is provided at one end with a tongue 24 which fits in the slot 22 and a pivot 25 is passed through the branch 21 and tongue to pivotally secure the latch. The free end edge of the latch is provided with a shallow groove 26 the purpose of which will presently be explained.

Formed in the branch 27 of the foot rest and opening through the wall of the slot 15 therein is a rabbet 28 of sufficient size to receive the free end of the latch so that the outer face of the latch extends throughout flush with the extreme end edges of the foot rest branches 21 and 27. A resilient pin 29 is embedded at one end in the inner wall of the rabbet and extends longitudinally of the foot rest, this pin normally bearing within the shallow groove 26 of the latch and having a head 30 which engages the outer face of the latch and normally retains the latch in position to hold the tongue 16 of the hinged extension 17 locked against the foot rest. A groove 31 is formed in the side wall of the rabbet into which groove the pin yields to release the latch upon the pivoted section being impinged against by rider's foot as the rider is thrown. The pivoted section upon release rocks outwardly on its pivot and releases the rider's foot from the stirrup.

What is claimed, is:—

A stirrup having a hinged side and having a foot rest provided with a bifurcated free end to receive the free end of said side,

a latch pivoted on one of the branches of
said bifurcated end adapted to bridge said
branches and lock said hinged side to said
foot rest, and a spring pin carried by said
5 foot rest near the other of said branches
having a head adapted to engage said latch
and hold the latch closed, said branch being
provided with a slot into which said spring
pin yields to release said latch upon said
pivoted side impinging against said latch. 10

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

NOLAN RUPERT.

Witnesses:

E. WARNER,

ELGIN MCKINNON.

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