

(No Model.)

R. J. CHILCOTT.
STIRRUP.

No. 567,334.

Patented Sept. 8, 1896.

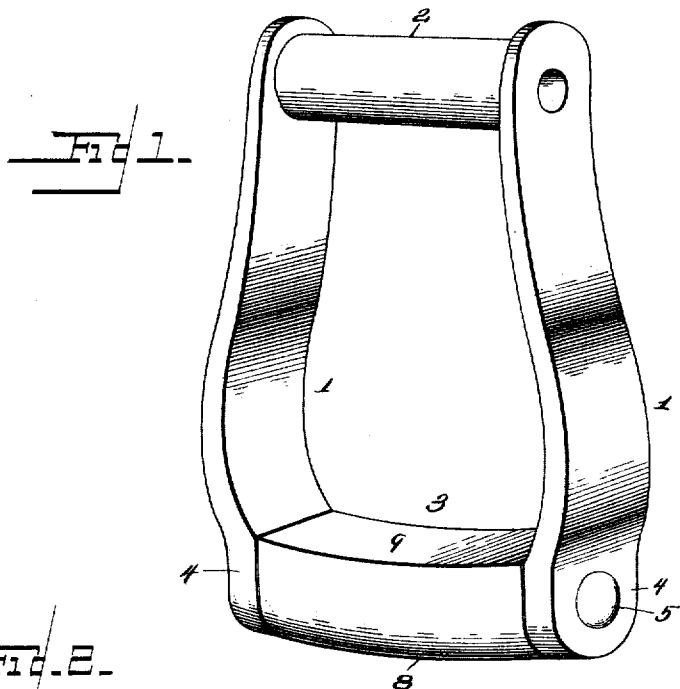


Fig. 2.

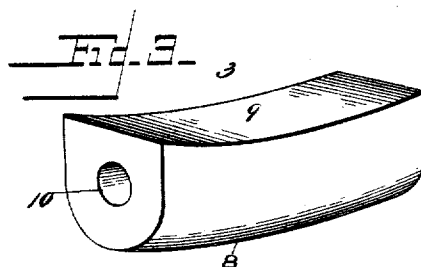
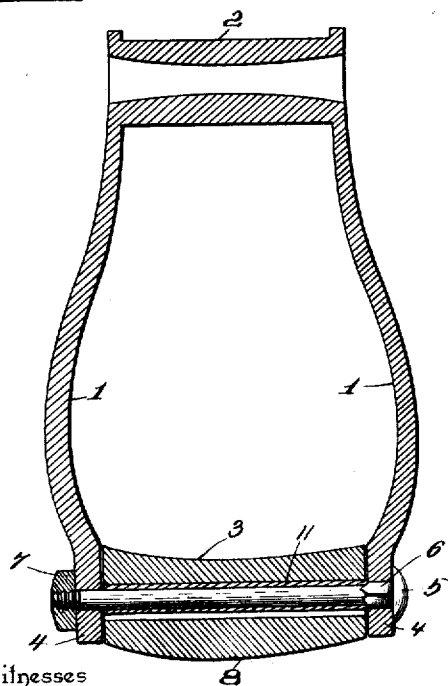


Fig. 4.



Inventor

Reuben J. Chilcott

Witnesses

Thos W Riley
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UNITED STATES PATENT OFFICE.

REUBEN J. CHILCOTT, OF BEAVER, OKLAHOMA TERRITORY.

STIRRUP.

SPECIFICATION forming part of Letters Patent No. 567,334, dated September 8, 1896.

Application filed October 11, 1894. Serial No. 525,610. (No model.)

To all whom it may concern:

Be it known that I, REUBEN J. CHILCOTT, a citizen of the United States, residing at Beaver, in the county of Beaver and Territory of Oklahoma, have invented a new and useful Stirrup, of which the following is a specification.

My invention relates to stirrups, and has for its object to provide a simple, inexpensive, and efficient riding-stirrup in which the foot-rest is capable of oscillatory movement to accommodate the movements of the rider's foot, said foot-rest being mounted to give freedom of movement without unnecessary wear, and whereby the part which is exposed to the main portion of the wear is replaceable at a small cost.

Further objects and advantages of this invention will appear in the following description, and the novel features thereof will be particularly pointed out in the appended claim.

In the drawings, Figure 1 is a perspective view of a stirrup constructed in accordance with my invention. Fig. 2 is a vertical central section of the same, taken parallel with the axis of the foot-rest. Fig. 3 is a detail view in perspective of the foot-rest. Fig. 4 is a similar view of the sleeve upon which the foot-rest rotates.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

The body portion of the improved stirrup consists of side arms 1, connected at their upper ends by a preferably integral eye 2 and separated at their lower ends for the reception of a foot-rest 3. The lower extremities of said side arms, between which the foot-rest is arranged, are parallel, as shown at 4.

Through suitable aligned openings in the parallel portions 4 of the side arms extends a pivot-bolt 5, having an angular portion 6 fitting in a similarly-constructed opening in one of the arms to prevent rotation of the bolt and fitted at the other end with a nut 7, by means of which the lower extremities of the side arms may be adjusted toward each other. Inward adjustment of the side arms of the stirrup is limited by a spacing-sleeve 11, which fits snugly upon the portion of the bolt between said arms and bears at its extremities

against the inner surfaces of the parallel portions 4, said sleeve being of greater length than the foot-rest 3 in order to project slightly beyond the extremities of said foot-rest and hold the latter out of contact with the inner surfaces of the side arms. In order to insure the tight fitting of the spacing-sleeve upon the bolt between the lower extremities of the side arms, said sleeve is split longitudinally, as shown clearly in Fig. 4, and the bore of the foot-rest is of larger diameter than the exterior dimensions of the sleeve to provide for the free rotation of the foot-rest upon the sleeve. It is obvious that the sleeve will be held stationary by the bearing of its extremities against the inner surfaces of the side arms, the latter being held in engagement with the extremities of the sleeve by means of said bolt, and hence said sleeve will receive the greater portion of the wear and may be replaced when necessary to insure a proper bearing for the foot-rest. Furthermore, the wearing away or enlarging of the bore of the foot-rest may be compensated for by the use of a sleeve of larger exterior diameter, and inasmuch as said sleeve does not rotate upon the bolt it will be obvious that the strength of the bolt cannot become impaired, and hence the foot-rest will not be liable to displacement when subjected to strains of unusual severity.

The upper side 9 of the foot-rest is cut away to form a transversely flat and longitudinally-concaved surface, the lower side 8 of the foot-rest being correspondingly convexed, and therefore increased in weight, whereby when released the foot-rest assumes its normal position with the concaved surface uppermost.

The freedom of movement of the foot-rest, as above described, in addition to accommodating the various positions of the foot of the rider, allows the disengagement of the foot from the stirrup with facility in case the rider is thrown from the saddle to avoid the dangers, such as dragging, due to the entanglement of the foot.

A sleeve used substantially in the position described by me, which is not split longitudinally, as stated, could not be made to fit snugly upon the bolt, and hence there would be a certain amount of wear upon the bolt, which ultimately would cause breakage of the

latter in case the stirrup were subjected to an unusual strain; but by splitting said sleeve the immovability of this part is assured, and hence the bolt is entirely relieved of wear.

5 Furthermore, the interval between the contiguous edges of the sleeve forms an efficient reservoir or channel for a lubricant to prevent the binding of the foot-rest, and, furthermore, said space or interval forms a means
10 of egress for sand, dust, and similar substances which may find entrance to the bore of the foot-rest through the intervals between the extremities of the foot-rest and the inner surfaces of the side arms.

15 An important feature of the invention to be noted in connection with the sleeve 11 is that the interval formed by the longitudinal split of the sleeve is flared or enlarged at the ends of the sleeve to admit of the ready introduction of a lubricant at the ends of the
20 foot-rest 3, while at the same time facilitating the egress of sand, dust, and the like from the narrow portion of the split.

25 Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having described my invention, what I claim is—

30 A stirrup comprising opposite side arms, a stationary transverse bolt connecting said side arms at one end, a metal spacing-sleeve snugly embracing the bolt and bearing at its ends against the inner surfaces of said side
35 arms, said sleeve being longitudinally split from end to end so as to tightly fit the bolt and form a longitudinal oil-channel and having the channel formed by the split flared or enlarged at the ends of the sleeve to facilitate lubrication and the egress of sand or
40 dust, and a foot-rest loosely mounted on the sleeve and having a larger bore than the diameter of the sleeve, said rest being of a shorter length than the sleeve so as to freely
45 oscillate and expose the flared or enlarged terminals of the oil-channel, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in
50 the presence of two witnesses.

REUBEN J. CHILCOTT.

Witnesses:

ANDREW M. FENNER,
JACOB THOMAS.