

(No Model.)

T. D. AITKEN.  
STIRRUP FOR SULKIES.

No. 342,772.

Patented June 1, 1886.

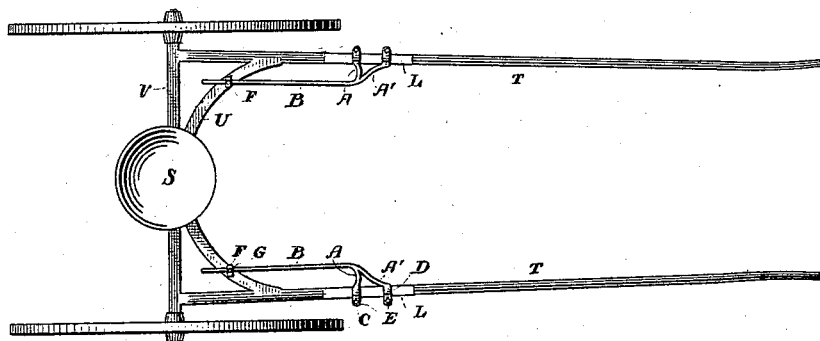


FIG. 1.

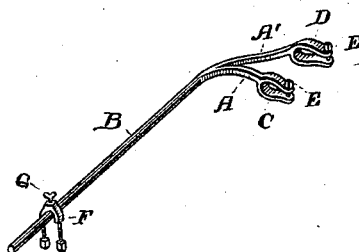


FIG. 2.

Witnesses;

M. E. Upham

A. Keithley

Inventor;

Thomas D. Aitken;

by A. B. Upham,  
His Attorney

# UNITED STATES PATENT OFFICE.

THOMAS D. AITKEN, OF BRADFORD, ILLINOIS.

## STIRRUP FOR SULKIES.

SPECIFICATION forming part of Letters Patent No. 342,772, dated June 1, 1886.

Application filed March 25, 1886. Serial No. 196,518. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS D. AITKEN, of Bradford, in the county of Stark, in the State of Illinois, have invented an Improved Adjustable Stirrup for Sulkies; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings, making a part of this specification, in which like letters of reference refer to like parts, and in which—

Figure 1 represents a plan view of a sulky having my stirrups connected thereto; Fig. 2, perspective view of one of my stirrups.

This invention is in the line of stirrups for sulkies in which the former are adapted to be adjusted toward and from the driver's seat to accommodate different heights of individuals; and my invention pertains to the construction of a more simple, cheap, and durable form of adjustable stirrup.

Essentially, my stirrup consists of an L-shaped bar, whose short arm is provided with clips or eyes for encircling one of the thills of the sulky, and the stem of which passes through an eye having a screw for fastening said stem at different points therein. Two stirrups thus secured to the thills and frame of the sulky can be readily slid toward or from the seat and fastened at such points as shall permit the driver's feet to rest against the short arms or stirrup parts proper.

In the drawings, T T are the thills; V, the axle; S, the seat, and U the curved frame-beam for bracing the thills and axle.

The stirrup consists of the elongated stem B and short branch A. At the end of the branch A is the clip C, provided with the set-screw E, said clip being adapted to encircle the thill T, and said set-screw serving to tighten said clip about the thill. On the frame-beam U is the eye F, through which passes the stem B, secured therein by the set-screw G.

Both of the two stirrups are of course constructed in the same way, so that the description of one applies equally to the other.

From the junction of the branch A and stem B, I usually have the angularly-projecting branch A', the end of which is attached to the thill by being formed with the clip D, tightened about the thill by the set-screw E. The object of this angular branch A' is, primarily, to prevent there being an abrupt shoulder between the branch A and the thill, against

which the horse is liable to injury; but its secondary purpose is that of bracing and strengthening the stirrup.

About each thill I usually affix a leather or sheet-metal sheath, L, for protecting the material of the thill from injury arising from the movement of the stirrups along the thills.

In use, the driver seats himself and places the heels of his feet between the thills and the stems B, and the screws G E and E being unloosened, the stirrups are moved away from or toward the axle V until the branches A are at the right distance from the seat S to support the driver's feet. The set-screw G of each stirrup being screwed down hard against the stems B, said stirrups are held at the desired points of adjustment, after which the set-screws E are tightened to aid in steadying the hold of the branches A upon the thills.

What I claim as my invention is as follows, to wit:

1. In a stirrup for sulkies, the combination, with the thill and frame, of the stirrup consisting of the stem B and branch A, a fastening for adjustably securing said branch to said thill, an eye on said frame for receiving said stem, and a lock for holding said stem at any point in said eye, for the purpose set forth.

2. The combination, with the sulky-frame and thill, of the stirrup consisting of the branch A and stem B, said branch terminating in the clip C, provided with the set-screw E, the eye F, secured to said frame and having the said stem movable therein, and the set-screw E for fastening said stem in said eye, substantially as and for the purpose specified.

3. The combination, with the sulky-frame and thill, of the sheath L, the stirrup consisting of the stem B and branches A A', said branches terminating in the clips C D, encircling said thill about said sheath, the set-screws E, for tightening said clips, the eye F, loosely receiving said stem and fast on said frame, and the set-screw G, for holding said stem in said eye, substantially as and for the purpose specified.

In testimony that I claim the foregoing invention I have hereunto set my hand and seal this 10th day of March, A. D. 1886.

THOMAS D. AITKEN. [L. S.]

Witnesses:

GEORGE W. PARSONS,  
JOHN V. LAWSON.