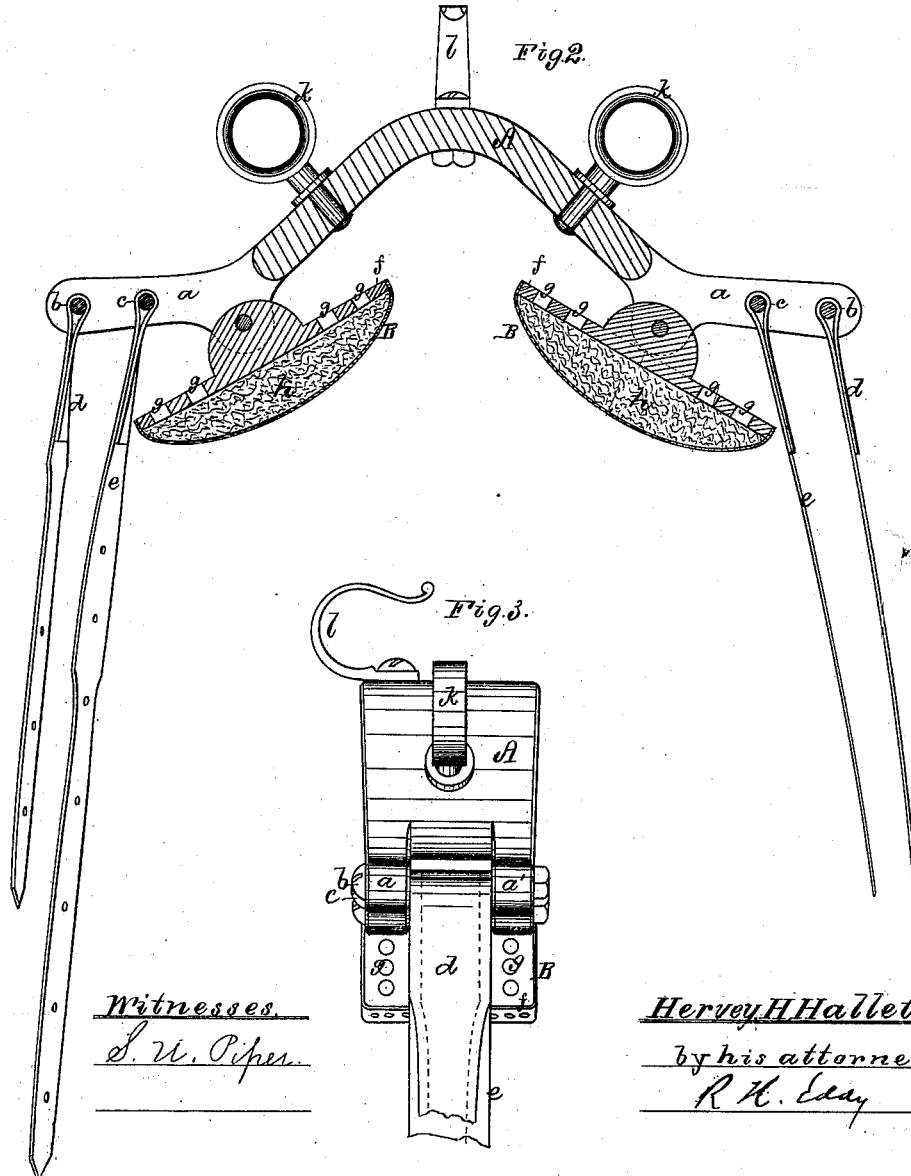
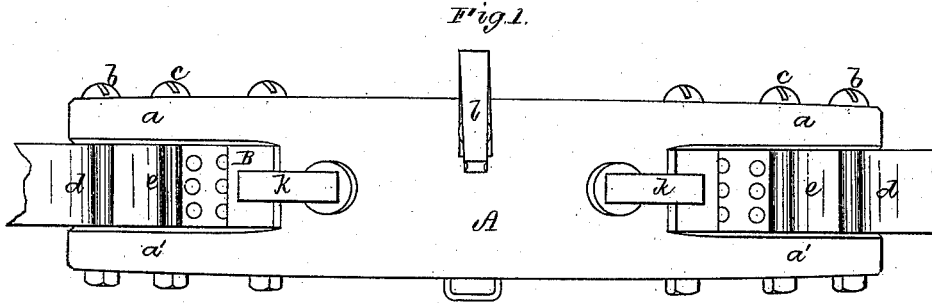


H. H. HALLETT.
 Harness-Saddle.

No. 165,165.

Patented July 6, 1875.



Witnesses.
S. W. Piper

Hervey H. Hallett.
 by his attorney
R. H. Eddy

UNITED STATES PATENT OFFICE.

HERVEY H. HALLETT, OF ROCKLAND, MASSACHUSETTS.

IMPROVEMENT IN HARNESS-SADDLES.

Specification forming part of Letters Patent No. **165,165**, dated July 6, 1875; application filed April 29, 1875.

To all whom it may concern :

Be it known that I, HERVEY H. HALLETT, of Rockland, of the county of Plymouth, of the State of Massachusetts, have invented a new and useful Improvement in Saddles for Carriage-Harnesses; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view of one of my improved saddles. Fig. 2 is a longitudinal section, and Fig. 3 a side view, of it.

In this saddle I have combined, with the rigid vertebral arch A, two rocker or self-adjusting pads, B B, each being pivoted or hinged at its middle to the foot of the arch, as shown.

The vertebral arch has at each foot two projections or arms, *a a'*, which are arranged at obtuse angles with the arch, so as to stand about horizontal when the saddle is on the back of a horse. The arms of each pair are connected by two cross-bolts, *b c*, the outer of which has looped on it a shaft-supporting strap, *d*, there being looped on the inner bolt another or girt strap, *e*, all being as represented. The arms, by their arrangement with the vertebral arch, not only make room for the

working of the next adjacent pad, but keep the straps out of the way of such pad, and well out of contact with the body of the horse.

Each pad has its inelastic part or body *f* furnished with numerous holes, *g*, extending transversely through it to its cushion *h*, in order to ventilate the latter and keep it dry, or allow of evaporation of the perspiration that may collect underneath the pad when it may be in use.

The rein-guides *k k* and the check-rein hook *l* are shown as arranged, in the usual manner, in the vertebral arch.

From the above it will be seen that each of the pads is self-adjusting to the back of a horse, and consequently less liable to gall his skin than a stationary pad would be.

I claim—

The vertebral arch A, the self-adjusting pads B B, the two pairs of arms *a a'*, the connection-bolts *b c*, and the four straps *d e*, arranged and combined substantially as specified.

HERVEY H. HALLETT.

Witnesses:

R. H. EDDY,
J. R. SNOW.