

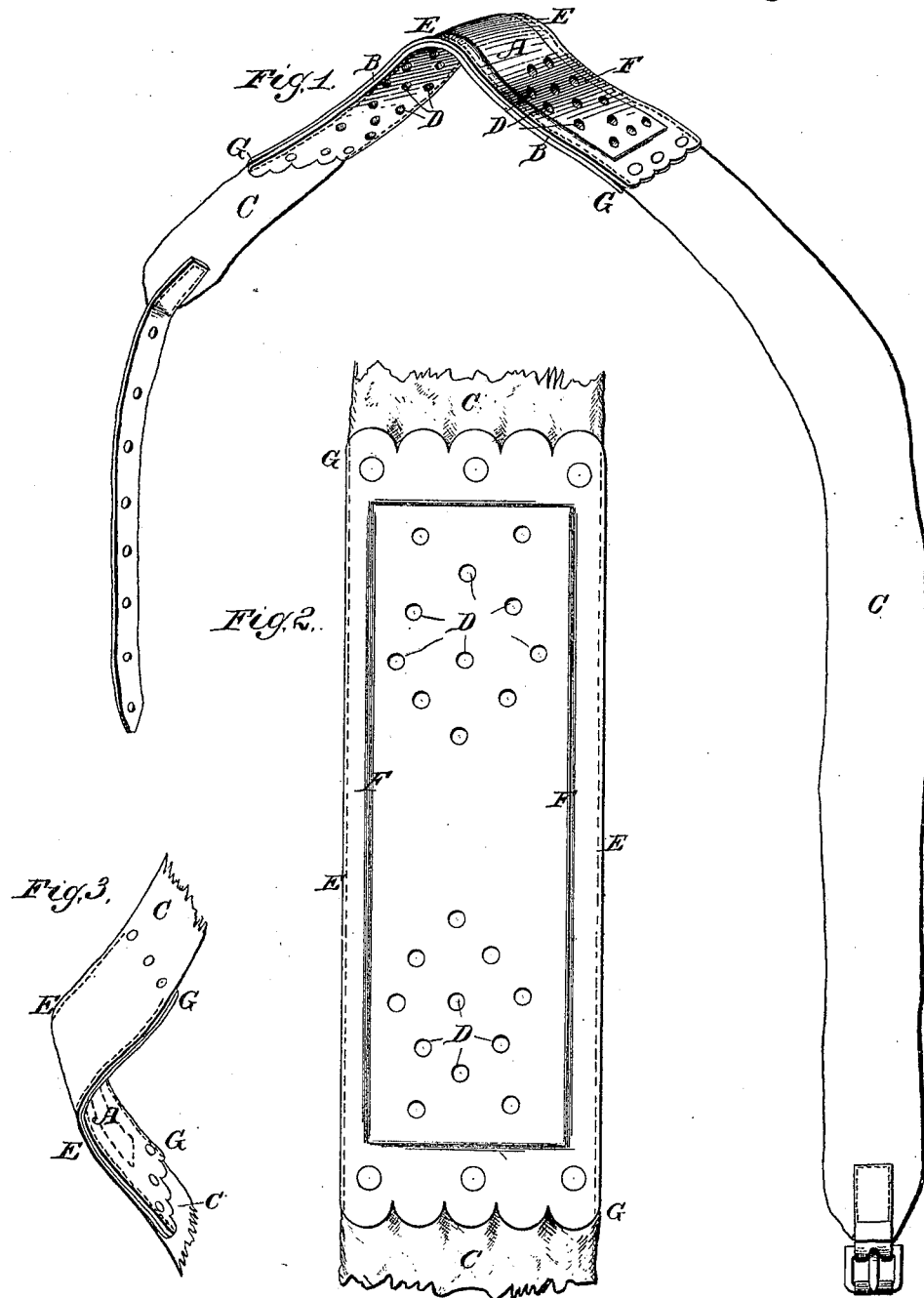
(No Model.)

H. G. FARR.

SURCINGLE PAD FOR HORSES.

No. 263,327.

Patented Aug. 29, 1882.



Witnesses.

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UNITED STATES PATENT OFFICE.

HIRAM G. FARR, OF BOSTON, MASSACHUSETTS.

SURCINGLE-PAD FOR HORSES.

SPECIFICATION forming part of Letters Patent No. 263,327, dated August 29, 1882.

Application filed December 19, 1881. (No model.)

To all whom it may concern:

Be it known that I, HIRAM G. FARR, of the city of Boston, in the county of Suffolk, State of Massachusetts, have invented a new and
5 useful Improvement in Pad-Surcingles for Horses, of which the following is a specification.

The invention relates to a pad-surcingle for horses.

10 Heretofore surcingles have been made with a pad made of cloth and stuffed with hair, excelsior, or other material, and attached to the web on the side next the horse, and extending
15 either side of the backbone from six to nine inches. This has been done to raise the web from the backbone, to keep the surcingle from turning, and to keep the blanket in place. It
20 fails to do this, however, as it often turns and lets the blanket off. It is expensive to make and very unsatisfactory in many respects. It
25 is liable to get torn, and is not durable. If a horse, after being driven, is put in the stable and blanketed when warm or sweating, the pad on the surcingle prevents the heat and
30 moisture from escaping, as it does through the blanket and web where there is no pad. Consequently the back is scalded and kept hot for hours, and frequently all night, which finally
35 results in soreness.

The object of my invention is, first, to obviate the heating or scalding of the back; second, to keep the blanket in its place perfectly; third, it sets easily on the back and protects the bone; fourth, it is much cheaper and more
40 durable than the common pad.

The improvement consists in a pad made any desired length, of wood and leather cemented together, or other suitable material, perfected to conform to and fit the shape of
45 the horse's back and attached to the web in any convenient manner.

In the drawings, in which similar letters of reference indicate like parts, Figure 1 is a perspective of the device embodying my invention, with the web attached to the perforated
50 pad at either end, G G, making the surcingle complete, it being formed to fit the horse's back. Fig. 2 is a view of my pad attached to the inside of the web, it being sewed on at the edges and riveted at the ends, as shown, the

web extending over the outside of the pad and continuous with the strap and buckle. Fig. 3 is a very short pad, sufficiently long to protect the backbone, and made in the same manner, except that it is not perforated. Its entire
55 length is but about eight inches. In the center, at E E, it is raised sufficiently to allow the escape of heat and moisture. It is attached to the web in any convenient manner.

In Fig. 1, A represents a pad made of two
60 pieces of thin leather, with a thin veneer of wood, preferably from sixteen to twenty-one gage, placed between and cemented together. The wood does not extend to the edge of the leather, as will be seen in the drawings, Figs.
65 1 and 2, its outline being designated by the heavy inner line, F F, in Fig. 2. I leave a margin of about three-eighths of an inch at either side, where the wood does not extend, and about three-fourths of an inch at either
70 end, as shown in the drawings, the absence of the wood rendering the edge thinner and more pliable to the horse's back. At the same time it has enough rigidity to hold its position and protect the back perfectly. It cannot turn on
75 the back, as there is a leverage from the ends of pad G G to the center E E which prevents it.

In Fig. 1, A represents the pad; B B, margin of leather; C C, the web, with the strap and buckle; F F, the outline of the wood; G
80 G, the web attached to the pad, it extending far enough between the leathers to be securely fastened by stitching and riveting, or in any convenient manner. The dotted lines represent the edges of the leather strips stitched to-
85 gether after the wood has been cemented between them and dried.

By the introduction of wood and its combination with the leather the pad is formed, by heat and pressure, in molds made in any
90 convenient manner to fit the horse's back, as shown at E E. I preferably use hickory veneer, cut from the log in strips of the required thickness, which are cemented between leather or other flexible material in the manner specified.
95 Wood, leather-board, or other suitable material can be used; but I prefer hickory, from its cheapness and durability.

D D in Figs. 1 and 2 represent the perforations extending through the wood and leath-
100

er to allow the escape of heat and moisture
from the horse.

Having thus described my invention, what I
claim, and desire to secure by Letters Patent,
5 is as follows:

1. A surcingle-pad made up of wood and
leather secured together and arranged as
shown and described.

2. A perforated pad composed of wood and
leather arranged as shown, and shaped to fit
the back of a horse, all substantially as set
forth.

HIRAM G. FARR.

Witnesses:

STILES FROST,
H. L. BERRY.