

(No Model.)

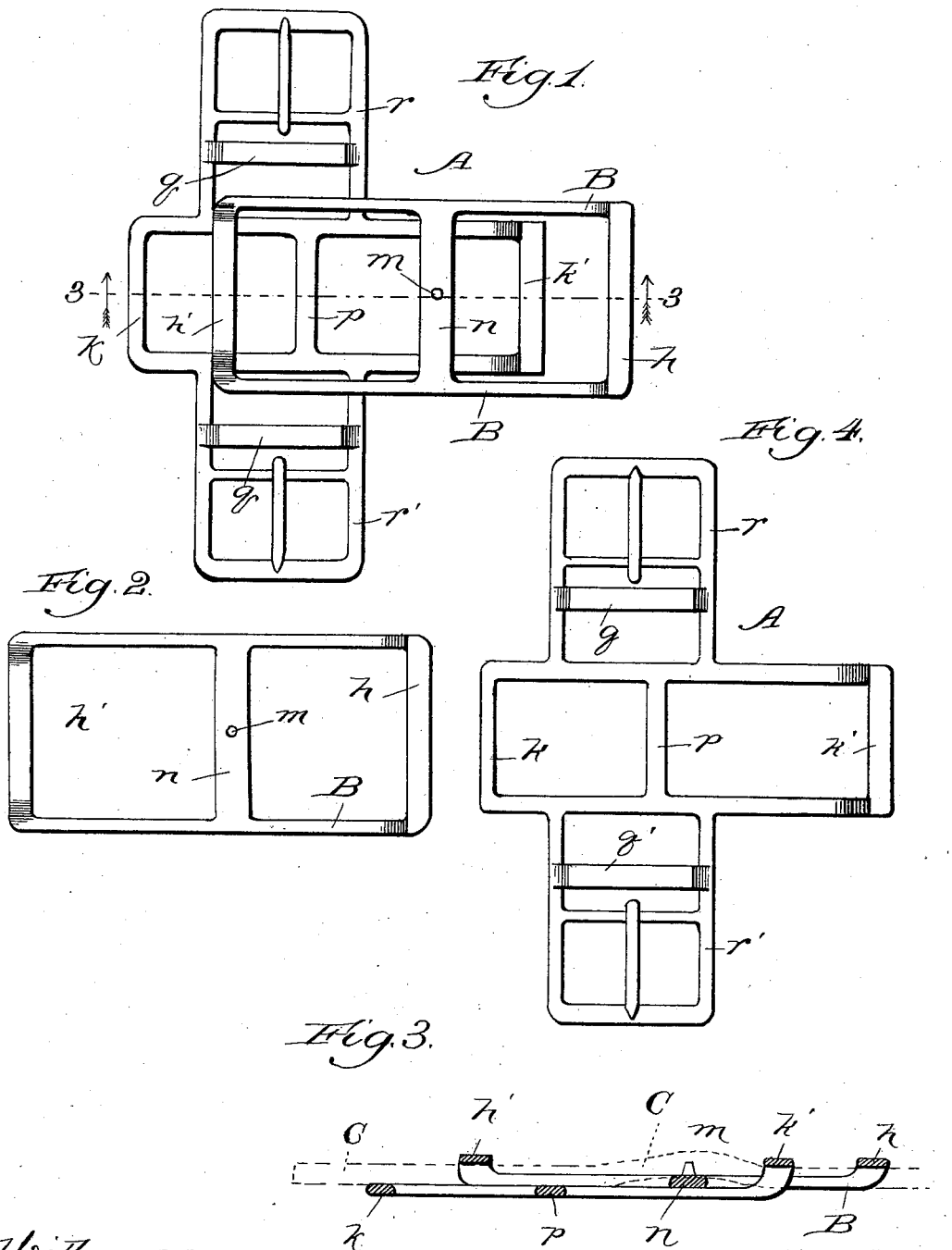
2 Sheets—Sheet 1.

W. V. KAY.

COMBINED BUCKLE AND TRACE OR BREECHING LOOP.

No. 347,115.

Patented Aug. 10, 1886.



Witnesses:
Chas. Gaylord
J. H. Dyrenforth

Inventor:
William V. Kay
By Dyrenforth and Dyrenforth

Attest.

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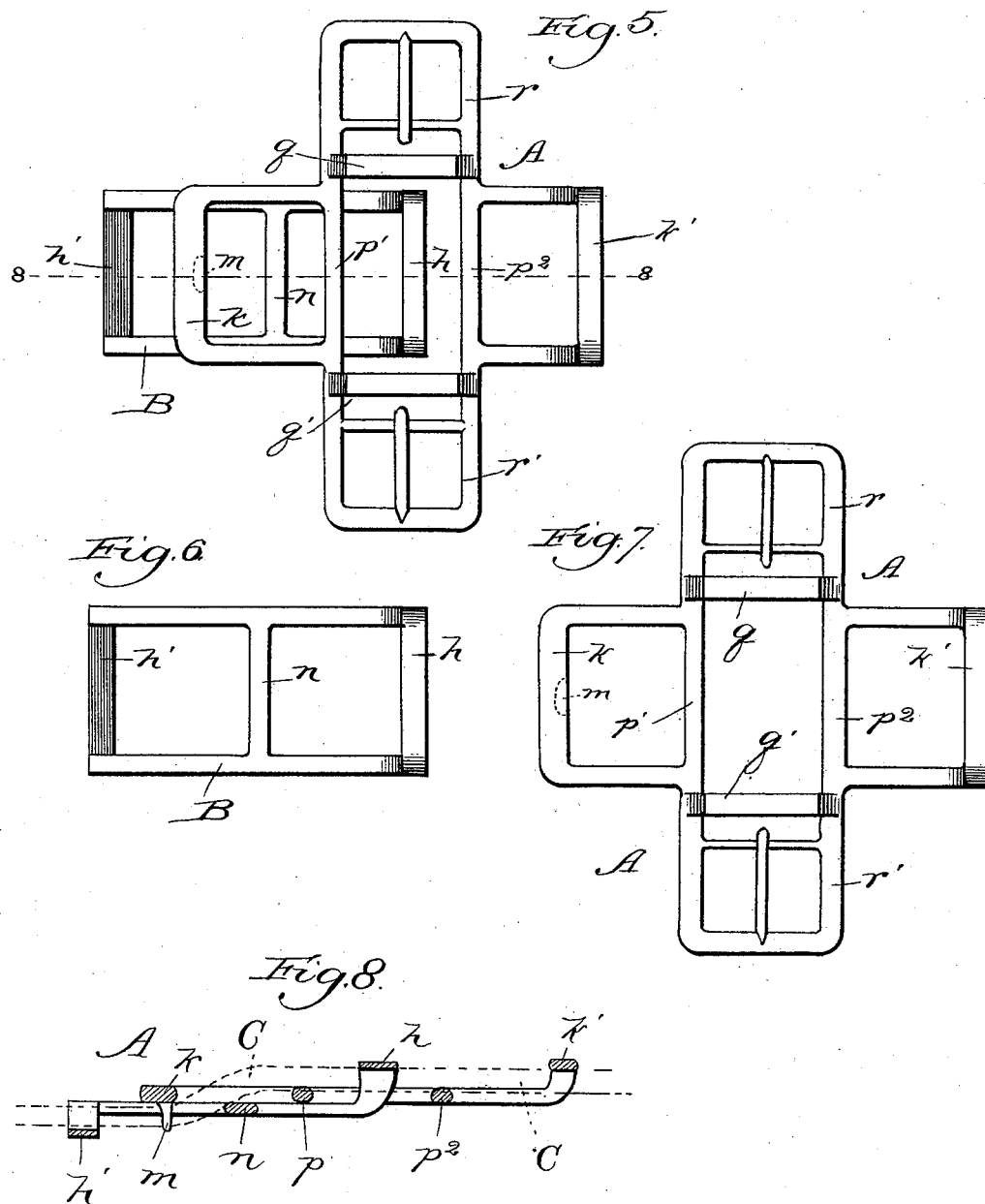
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UNITED STATES PATENT OFFICE.

WILLIAM V. KAY, OF BELTON, TEXAS.

COMBINED BUCKLE AND TRACE OR BREECHING LOOP.

SPECIFICATION forming part of Letters Patent No. 347,115, dated August 10, 1886.

Application filed May 6, 1886. Serial No. 201,357. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM V. KAY, a citizen of the United States, residing at Belton, in the county of Bell and State of Texas, have invented a certain new and useful Combined Trace-Buckle and Trace or Breeching Loop Device; and I hereby declare the following to be a full, clear, and exact description of the same.

It is my object to provide a device whereby, in a harness, the back-band and belly-band may readily be connected to a trace-buckle, or a breeching-loop or "trace-square," as it is called, and the necessity shall be avoided of sewing buckles for the purpose upon the pad or back-band and belly-band, or to the trace-buckle or breeching-loop.

To this end my invention consists in the construction hereinafter set forth and claimed.

Referring to the drawings, Figure 1 is a plan view of my improved device; Fig. 2, a part of the same, which may be used separately; Fig. 3, a sectional view taken on the line 3 3 of Fig. 1 and showing by dotted lines the manner of adjusting a trace; Fig. 4, a plan view of the device shown in Fig. 1, with that shown in Fig. 2 omitted, and capable of separate use; Fig. 5, a similar view of a modification; Figs. 6 and 7, parts of the same capable of separate uses; and Fig. 8, a sectional view taken on the line 8 8 of Fig. 5, and showing by dotted lines the manner of adjusting a trace.

The device comprises a frame, A, having buckles r and r' extending from opposite sides, and provided with loops q and q' and a cross-bar, p , as shown in Figs. 1, 3, and 4, or cross-bars p' and p'' , as shown in Figs. 5, 7, and 8, and a frame, B, provided centrally with a cross-bar, n , having a speed-tongue, m , as shown in Figs. 1, 2, and 3, or not, as shown in Figs. 5, 6, and 8, a speed-tongue, m , being provided on the frame A in the last-named devices.

Where in a harness the traces are formed entirely of leather, it is common to use trace-buckles. Where traces are formed partly of leather and partly of chain, it is common to use a trace-square or breeching-loop for the

attachment of the pad and belly-band straps provided with buckles, and regulate the length of the trace by the chain, the trace being in two parts, one leading to the hame and being sewed to the front bar of the breeching-loop, and the other leading to the chain and being sewed to another bar of the loop.

The device shown in Fig. 1 is used in the following manner: The forward part of the hame-tug is sewed to the frame A upon the end bar, k . The trace C is passed under bar h of the frame A, bar k' of the frame A, and bar k' of the frame B, buckling upon the tongue m . The hame-tug sewed on the bar k pulls on the trace C through the bar k' , which cramps the trace. The back-band or pad-strap buckles into the buckle r , and the belly-band into the buckle r' , their respective ends passing under the loops or keepers q and q' . In this way I avoid sewing a buckle for the back-band, and also one for the belly-band, and dispense with the use of a strap on the trace-buckle upon which to buckle the belly-band.

The device shown in Fig. 4 can be used separately from that shown in Fig. 2, as a breeching-loop or "trace-square," as it is termed, the hame-tug to be sewed upon the bar k , and the back part of the trace to the bar p ; and if a breeching is used, the strap passes around the bar k' .

There is no material difference between the device shown in Fig. 5 and that shown in Fig. 1, the arrangement, however, permitting each of the parts to be used separately—that shown in Fig. 7 as a trace-buckle, when the hame-tug would be sewed upon the bar p' , and that shown in Fig. 6 as a breeching-loop, the hame-tug to be sewed to the bar k' , the trace C to the bar n , and the breeching-strap to the bar h . In the device shown in Fig. 5, however, the trace C is passed under bars k' , h , and k , buckling on the tongue m of the latter, and over bars p'' , p' , n , and k' . The hame-tug is sewed to the bar k' , and the pad-strap and belly-band buckle the same as described in connection with Fig. 1.

What I claim as new, and desire to secure by Letters Patent, is—

1. A trace-buckle or trace or breeching loop provided with buckles r and r' , for the pad or back-band and belly-band, substantially as described.

5 2. A combined trace-buckle and trace or breeching loop device comprising in combination a frame, A, provided with buckles

r and r' , a frame, B, provided with a cross-bar, n , and a speed-tongue, m , substantially as and for the purpose set forth.

WM. V. KAY.

In presence of—

A. J. EMBREE,

C. D. KAY.