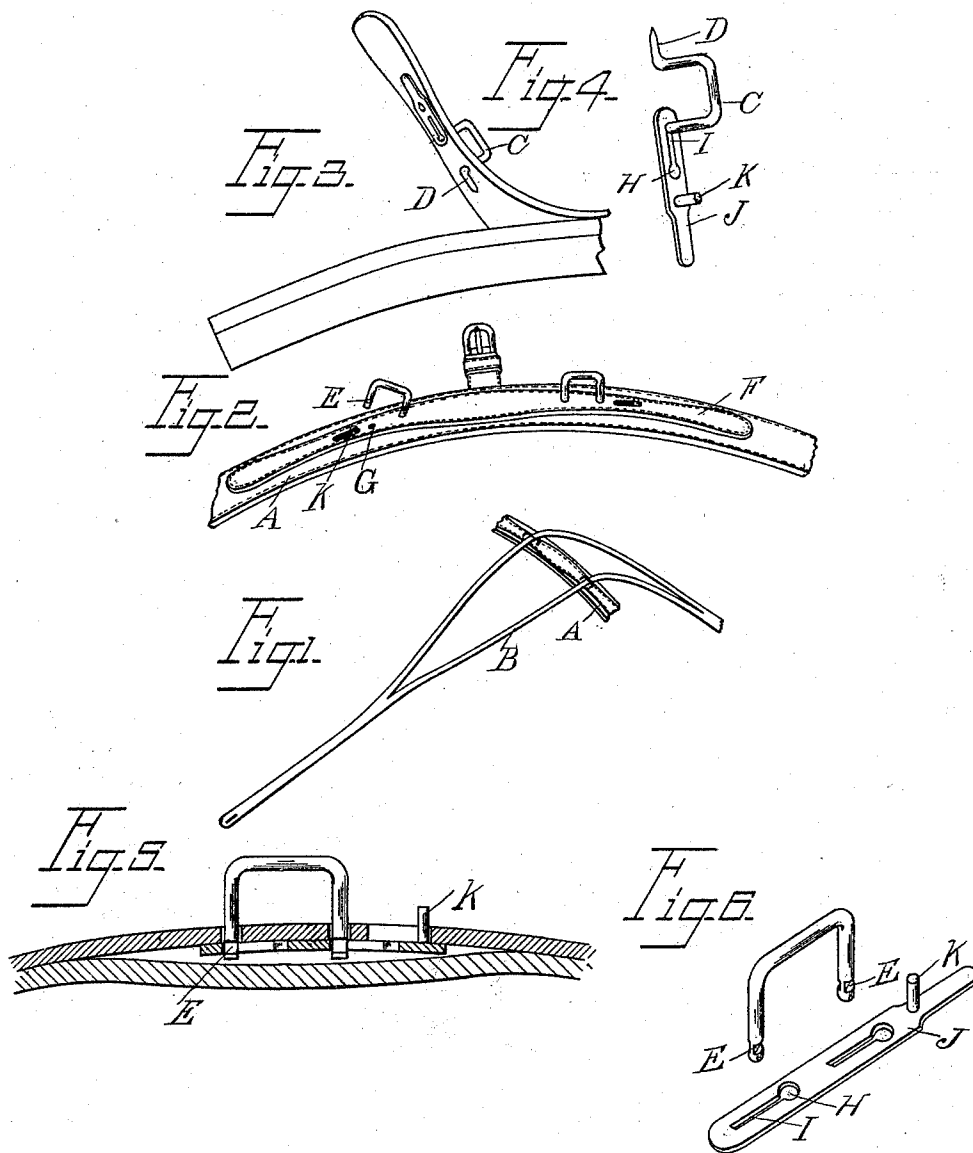


(No Model.)

E. J. SCHERMERHORN.
HARNESS.

No. 509,690.

Patented Nov. 28, 1893.



Witnesses
Otto F. Barthel.
Thos. J. Magner.

—Inventor—
Edoel J. Schermerhorn,
By *Thos. J. Magner*
Atty's.

UNITED STATES PATENT OFFICE.

EDCEL J. SCHERMERHORN, OF TOLEDO, OHIO.

HARNESS.

SPECIFICATION forming part of Letters Patent No. 509,690, dated November 28, 1893.

Application filed September 2, 1893. Serial No. 484,640. (No model.)

To all whom it may concern:

Be it known that I, EDCEL J. SCHERMERHORN, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Harness, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention consists in the peculiar construction of a guide loop intended for overhead checks, and commonly called an over-check loop, and the means of securing that loop in position upon the crown piece, so the check strap may be manufactured and used without the buckle and yet be engaged with the loop after the latter has been fastened upon the crown piece of a bridle.

The invention further consists in the peculiar construction, arrangement and combination of the various parts.

In the drawings, Figure 1 is a perspective view of an over-check and a part of the crown piece, showing the parts arranged as in use. Fig. 2 is an enlarged perspective view of the crown piece with the loops applied thereon. Fig. 3 is a perspective view of the crown piece showing the layer raised to illustrate the construction and arrangement of the locking device for the loop. Fig. 4 is a perspective view of one of the loops and its locking plate. Fig. 5 is a section through the crown piece beside the loop, showing a slightly modified form thereof. Fig. 6 is a perspective view of the construction shown in Fig. 5.

A is the crown piece of a bridle.

B is the over-head check. In the manufacture of a fine quality of light bridles it is necessary to make the over-check piece B as small as possible and to dispense with buckles, for in the use of buckles the structure is apertured centrally, thereby greatly reducing its strength. Heretofore many obstacles have been encountered in producing an integral over check which could be applied or removed after the harness was assembled, at will. My construction enables me to accomplish this which I do by making the loop of substantially U shape that is having a guide aperture the shape of the over-check and having means, supported by the crown piece, for permitting its movement or disengagement to allow of engaging the integral overcheck therewith after the harness is completed.

The construction shown in Figs. 2, 3 and 4 consists of the substantially U shaped loop C, having a foot D at the end of one of the legs and the notched bearing or detent E at the lower end of the other leg. The foot D is engaged through an aperture in the layer F and serves as a hook upon which the loop may be rocked to lift the other leg from the crown piece, as shown at the left hand in Fig. 2.

To lock the loop in position the notched bar E on the straight leg is engaged through an aperture G in the layer and through the head H of a T shaped slot, of which I is the stem thereof in the locking plate J. This locking plate is slidingly secured between the layer and the crown piece, as plainly shown in Fig. 3, and is provided with an actuating pin or handle K, slightly above the top of the layer, by means of which it may be moved. The loop may be locked in position now by moving the locking strip laterally and engaging the stem of the slot with the notched bearing on the leg. Instead of forming the foot D on one of the legs to rock the loop, as shown in Fig. 2, I may form a detent or shoulder E upon both of the legs, as shown in Figs. 5 and 6, and provide the locking plate J with two T-shaped slots. In this construction the movement of the plate releases both legs, so that the loop may be detached entirely and both legs locked in position by the reverse movement of the plate after the over-check is engaged beneath.

What I claim as my invention is—

In a harness, the combination with the crown piece and a layer thereon, of a metallic strip between the two, having a T slot therein, the loop C having the foot D on one leg and a detent or shoulder E on the other adapted to engage with the T slot and the actuating pin K on the plate projecting through the layer, the parts arranged and operating, substantially as and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

EDCEL J. SCHERMERHORN.

Witnesses:

JAMES WHITEMORE,
M. B. O'DOHERTY.