

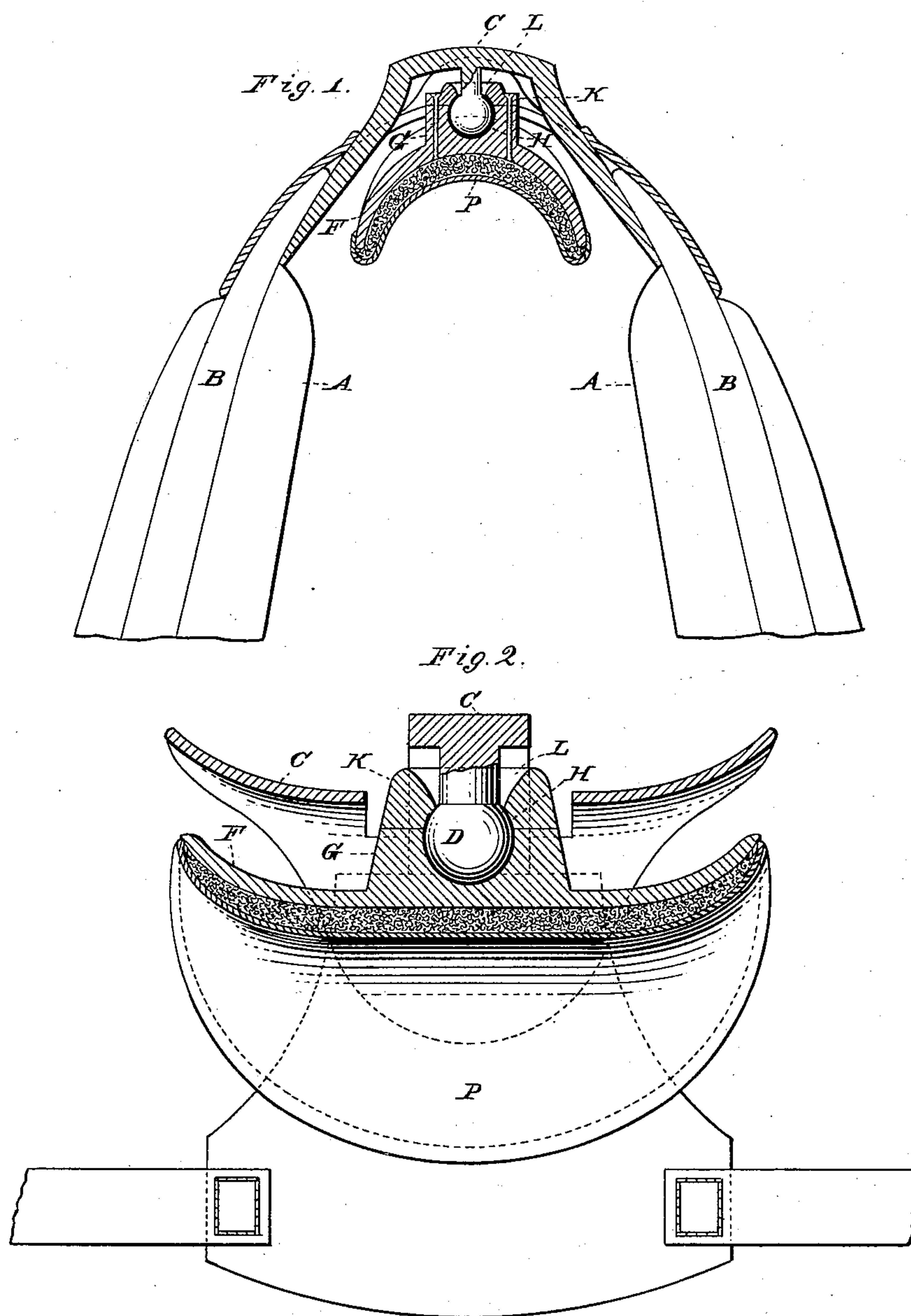
(No Model.)

D. C. RICE & J. ROSSMAN.

HORSE COLLAR PAD.

No. 323,735.

Patented Aug. 4, 1885.



WITNESSES

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UNITED STATES PATENT OFFICE.

DARIUS C. RICE AND JEROME ROSSMAN, OF ONTARIO, INDIANA.

HORSE-COLLAR PAD.

SPECIFICATION forming part of Letters Patent No. 323,735, dated August 4, 1885

Application filed May 28, 1885. (No model.)

To all whom it may concern:

Be it known that we, DARIUS C. RICE and JEROME ROSSMAN, citizens of the United States, residing at Ontario, in the county of La Grange and State of Indiana, have invented certain new and useful Improvements in Collar Pads; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of this invention, and shows the upper part of a horse collar to which the pad is attached. The pad is in section. Fig. 2 is a vertical section of the collar-pad.

This invention is designed to prevent undue friction on the shoulders and neck of the horse; and it consists in the construction and novel arrangement of devices, as hereinafter set forth, and pointed out in the appended claims.

In the accompanying drawings, the letter A designates the upper portion of a collar, and B the upper ends of the hames.

C indicates the pad-bridge or upper section of the pad. This consists of a transverse saddle-shaped casting, having secured to its central portion the ball-bearing D, which extends downward. To the sides of the upper section are attached the upper ends of the hames.

F represents the lower section of the pad, which is also a saddle-shaped piece of metal, having an upwardly-extending boss or rise, G, which is hollowed out to form a socket-bearing, H, adapted to receive the ball-bearing of the upper section.

K is a cap-plate having an opening at L for

the neck of the ball-bearing, and adapted to be secured to the socket-boss G by rivets. This cap serves to prevent the ball-bearing from escaping from the socket.

The pad proper, P, which is made of suitable leather or soft material, is secured to the lower section, F.

In operation the working of the shoulders of the horse causes a constant vibratory rocking movement of the upper portion of the collar or hames bearing, which, when it is received on the neck of the horse, wears the hair off and causes sores. By the present invention this vibratory rocking movement is communicated to the upper section, C, the lower section carrying the soft pad resting upon the neck of the horse, and by virtue of the ball-and-socket connection is allowed to take the natural movement of the horse's neck without undue friction.

Having described this invention, what we claim, and desire to secure by Letters Patent, is—

1. A collar-pad having an upper section adapted to be connected to the collar or hames, and a lower section carrying the soft pad, and connected to the upper section by ball-and-socket joint, substantially as specified.

2. The combination, with the collar-bridge having a ball-bearing, of the lower casting having a socket-boss and cap-plate, and adapted to receive the soft pad, substantially as specified.

In testimony whereof we affix our signatures in presence of two witnesses.

DARIUS C. RICE.
JEROME ROSSMAN.

Witnesses:

J. W. MANN,
LESLIE KINGSBURY.