

No. 750,505.

PATENTED JAN. 26, 1904.

F. K. WALTHER.
HEAT PROTECTOR FOR ANIMALS.

APPLICATION FILED SEPT. 4, 1903.

NO MODEL.

Fig. 1.

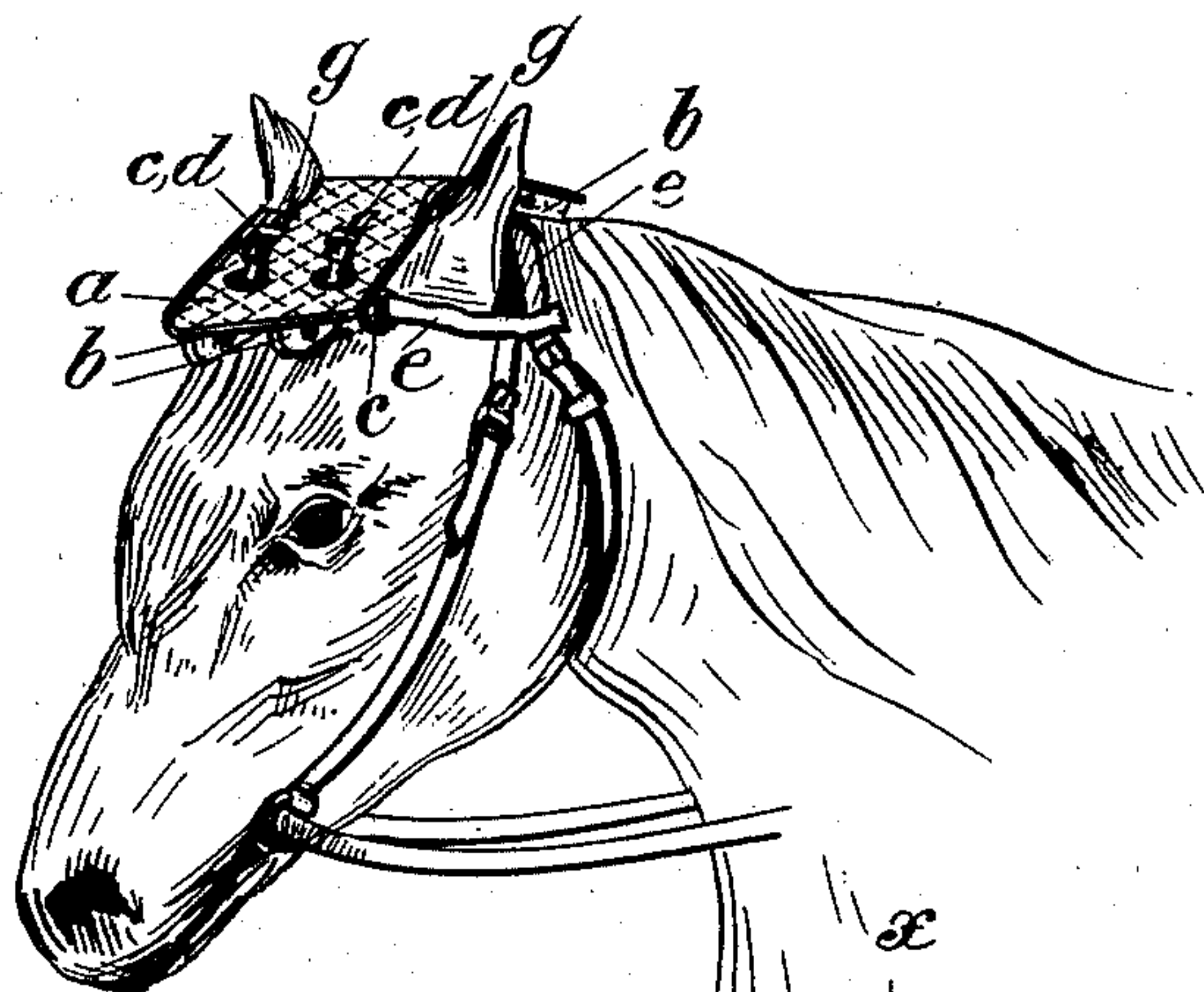


Fig. 2.

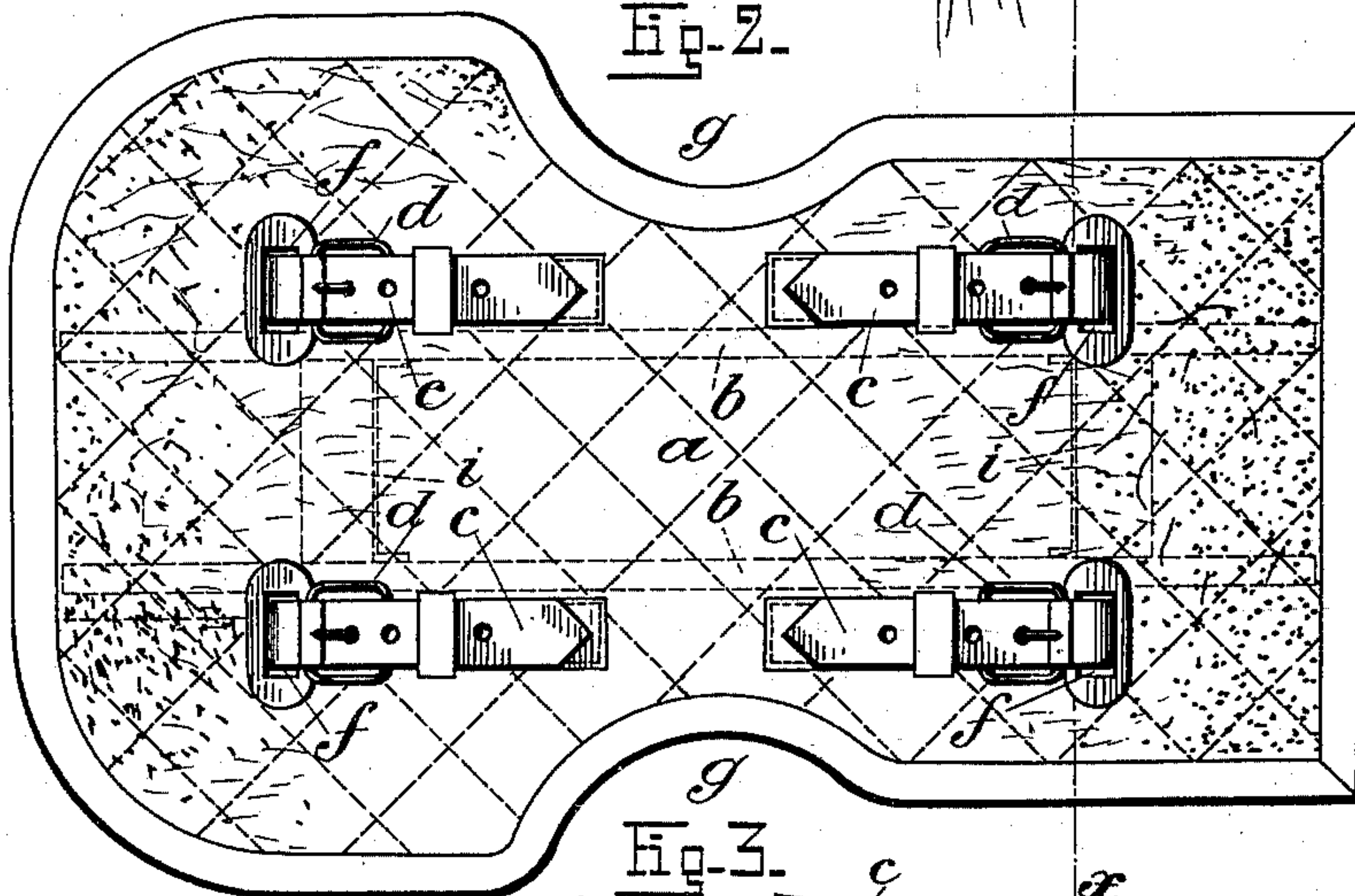


Fig. 3.

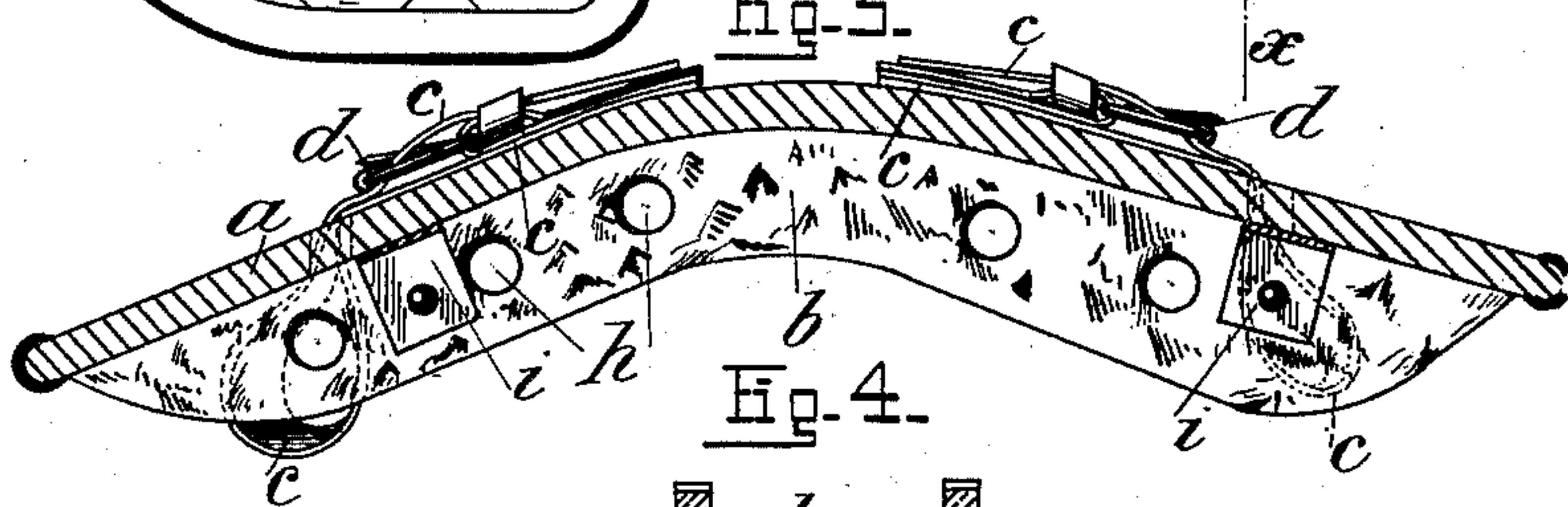
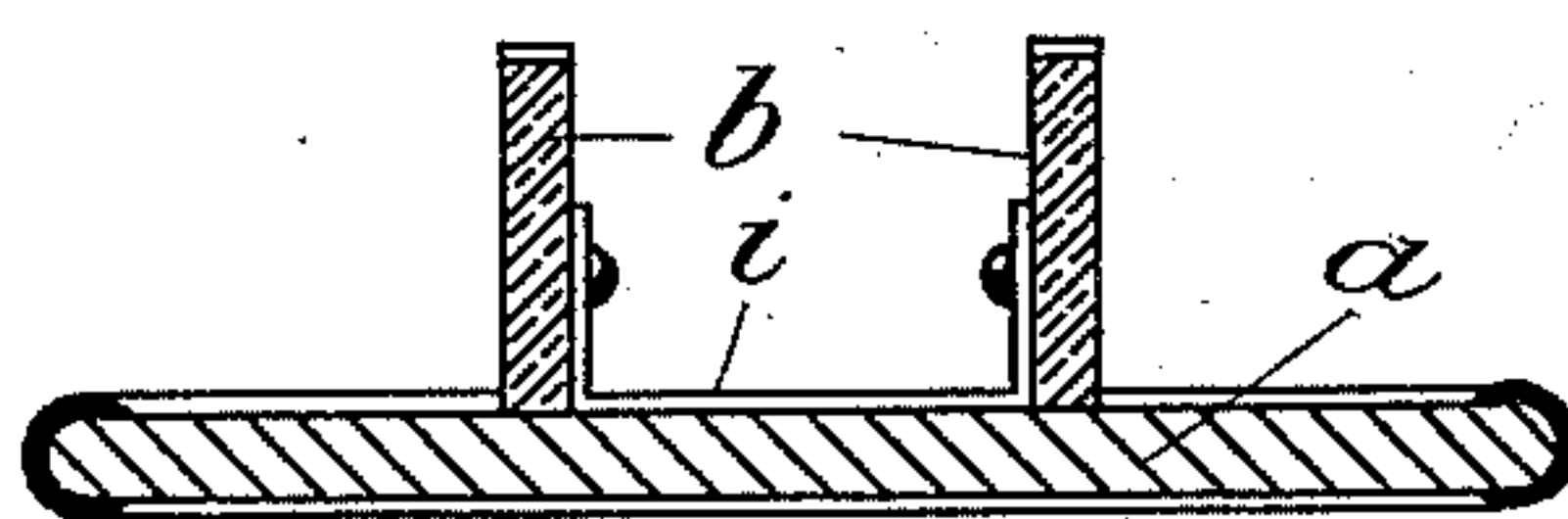


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

FRANZ KUNO WALTHER, OF BERLIN, GERMANY.

HEAT-PROTECTOR FOR ANIMALS.

SPECIFICATION forming part of Letters Patent No. 750,505, dated January 26, 1904.

Application filed September 4, 1903. Serial No. 171,945. (No model.)

To all whom it may concern:

Be it known that I, FRANZ KUNO WALTHER, veterinarian, a subject of the Emperor of Germany, of 13 Lindenstrasse, Berlin, S. W., 68, Germany, have invented certain new and useful Improvements in Heat-Protectors for Animals, of which the following is a specification.

The present invention relates to such protecting devices for horses against heat-stroke and sunstroke in which moistened sheets of an absorbing material, such as felt, are used.

The essential feature of this invention is that the sheet or plate of felt or other suitable material rests upon two cork ledges following in their shape the form of the skull-cap and connected with each other and held in position by means of cross-pieces, by which arrangement there is attained, on the one side, that the wet pad or plate of felt cannot get out of shape; on the other, that the air can freely circulate under the same.

The protecting device is illustrated in the accompanying drawings.

Figure 1 shows a side elevation of a horse's head with the new protecting device. The latter is shown on a larger scale in Figs. 2 and 3 in a plan or top view and a longitudinal section. Fig. 4 is a section on the line xx of Fig. 2.

The device consists of the cap or hood cover of a water-absorbing material, felt or other, of two longitudinal ribs, rails, or ledges b of cork, fastened to the bottom surface of the same, and a strap c , with buckles d or similar fastening devices, by means of which the whole is fastened over the skull-cap of the horse to the harness-strap e , as shown in Fig. 1. The cap or hood a and the ledges b are bent to suit the shape of the skull, and in order to cover the latter beyond the harness-strap e holes f have been provided in the cap or hood a , through which pass the fastening-straps c , provided with slings or loops which can be put around the harness-strap e . For the same reason the cap or hood a is made as broad as

possible, with cuts g on either side for giving the ears of the horse free play. The cork ledges b , serving to support and stiffen the covering a , are so arranged that even when the covering has just been soaked with water and has a tendency to sag or bend downward in the center it does not touch the skull of the horse, but there always remains an open space for the free circulation of air. In order to be quite protected against the possibility of the covering touching the head, the ledges b have cross-pieces i running from one to the other. The outer edges of the saddle-shaped covering a and the openings f for the straps are lined with leather, metal, cloth, or other bands or ribbons to give the covering more durability and a greater stiffness.

Before putting it on the horse the whole device is dipped in cold water. The water evaporates gradually, whereby heat is withdrawn from the part of the skull underneath the covering and a constant circulation of air between the skull and the covering is produced, whereby the skull of the animal is in a suitable manner uniformly cooled.

The color of the material used for the protecting device may be brown, white, or black, or any color to match the different colors of horses.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

In a protecting device against heat-stroke and sunstroke for horses the combination with a felt pad or plate of cork ledges set on edge and shaped to fit the skull adapted to support the pad and cross-pieces between the ledges, substantially as described and for the purpose specified.

In witness whereof I have hereunto set my hand in presence of two witnesses.

FRANZ KUNO WALTHER.

Witnesses:

WOLDEMAR HAUPT,
WILLIAM MAYNER.