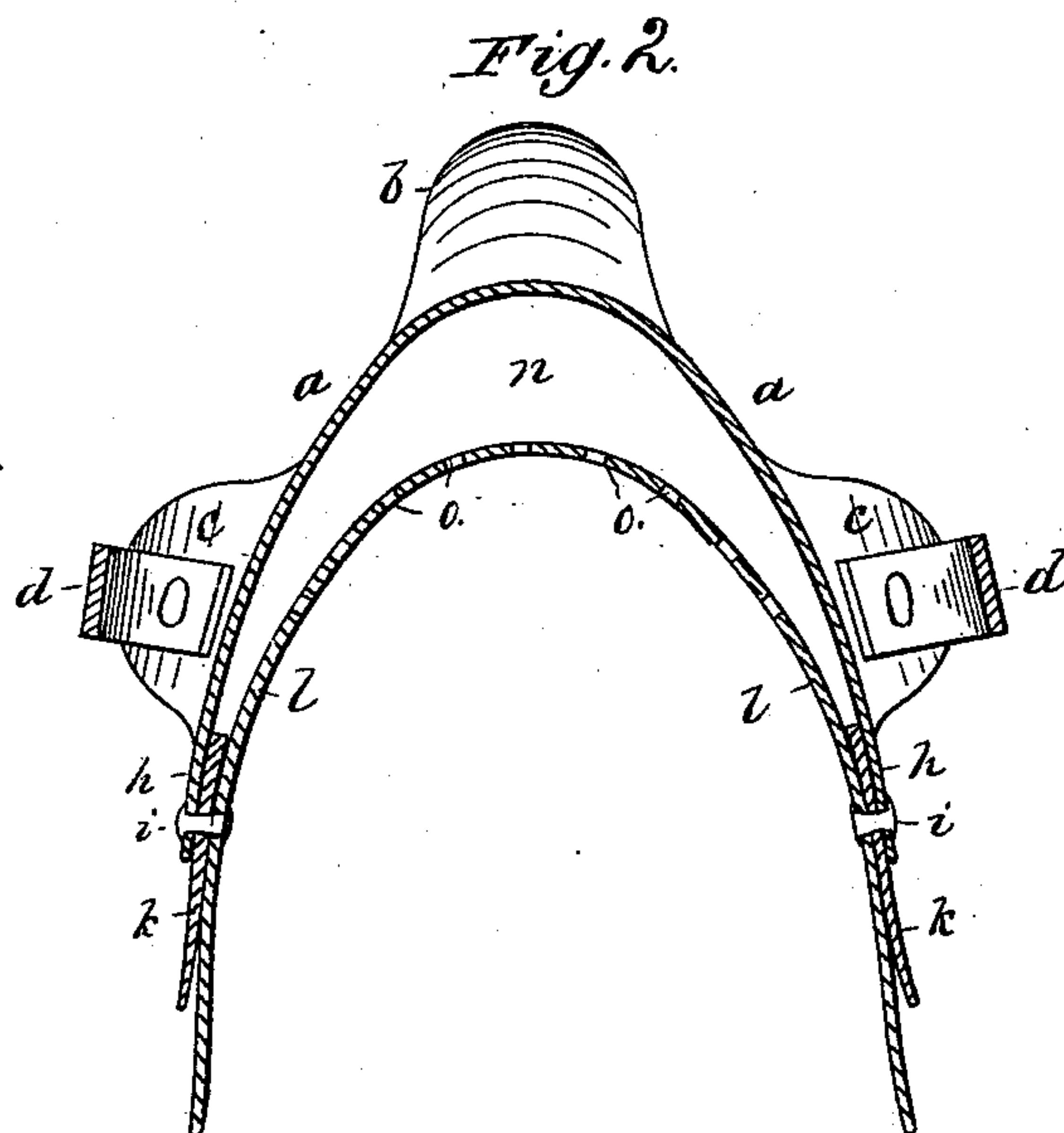
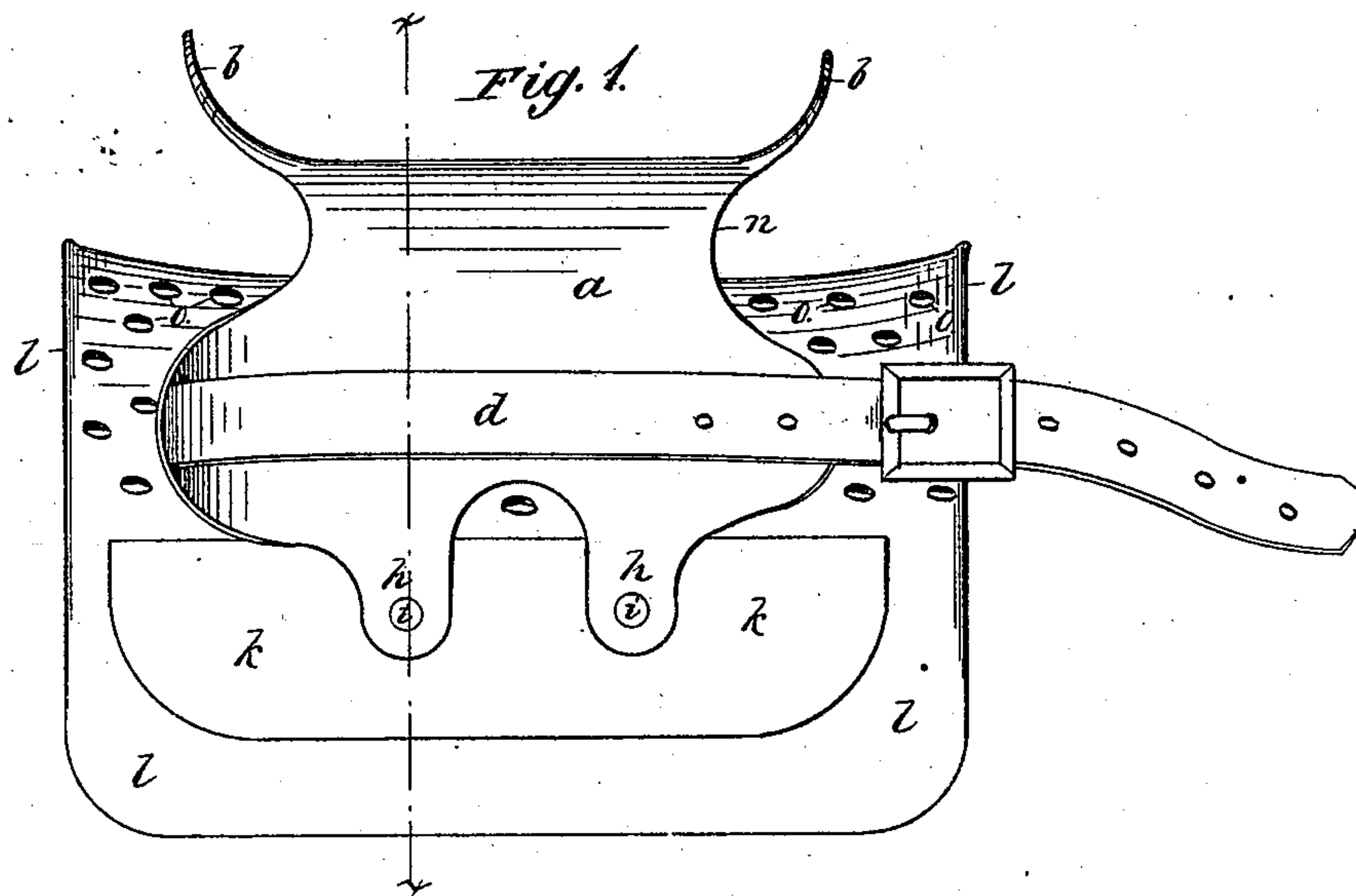


(No Model.)

F. F. KANNE.
HORSE COLLAR PAD.

No. 251,600.

Patented Dec. 27, 1881.



WITNESSES:
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UNITED STATES PATENT OFFICE.

FRIDERICK F. KANNE, OF WATERVILLE, MINNESOTA,

HORSE-COLLAR PAD.

SPECIFICATION forming part of Letters Patent No. 251,600, dated December 27, 1881.

Application filed October 25, 1881. (No model.)

To all whom it may concern:

Be it known that I, FRIDERICK FRANK KANNE, of Waterville, in the county of Le Sueur and State of Minnesota, have invented
5 a new and useful Improvement in Collar-Pads; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in
10 which—

Figure 1 is a side elevation of my improved collar-pad and frame. Fig. 2 is a section on line *xx* of Fig. 1.

My invention relates to improvements in
15 collar-pads; and it consists in the peculiar construction and arrangement of the parts, as hereinafter more fully set forth.

In the accompanying drawings, *a* represents a scalloped metallic arched frame, adapted to
20 conform with the lower face of the upper end of a horse-collar and form a seat therefor. The arched frame *a* is provided on its top with the end bent or curved projections, *b*, and on its opposite sides with the curved projections
25 *c*, whereby, when the collar is in place or seated on the arched frame *a*, it will be held in place by the bent projections *b c* of the metal frame. The curved projections *b c* are formed in the same piece with the arched frame *a*. To the
30 side projections, *c*, of the arched frame *a* are secured the transverse straps *d*, whereby the arched frame *a* is secured to and under the horse-collar at its upper end. *h h* represent lugs on the lower ends of the opposite sides of
35 the arched frame *a*, through perforations in each of which pass the rivets *i*, which pass thence through opposite pieces of leather, *k*, and through a leather pad, *l*, arranged con-

centrically under the curved arched frame *a*, with an air-space, *n*, between them. *o* repre- 40
sents perforations in the pad lying under the curved frame *a*, designed for admission of air to the neck of the horse.

By this construction it will be seen that my improved pad can readily be applied to or re- 45
moved from a collar; that only the lugs *h* of the arched frame *a* rest on the horse's neck, and they are covered by a double thickness of leather, and that the pad will adapt itself to the neck of any horse; that the collar cannot 50
become misplaced in its seat in the curved frame by reason of the curved projections *b c* of the frame, and that an air-chamber for the free circulation of air between the curved arched frame and the pad is arranged with holes in 55
the pad for the passage of air to the neck of a horse to ventilate it and keep it cool.

The pad may be made of wood, pressed paper, rubber, or of any suitable material.

I claim as my invention— 60

1. The combination, with a horse-collar, of the arched metallic frame *a*, provided with the curved projections *b c*, straps *d*, and lugs *h*, substantially as described, and for the pur- 65
pose set forth.

2. The combination, with the arched metallic frame *a*, having the curved projections *b c* and lugs *h*, of the curved perforated pad *l* and pieces of leather *k*, both secured to the lugs of the frame, with an air-space, *n*, between the 70
frame and pad, substantially as described, and for the purpose set forth.

FRIDERICK FRANK KANNE.

Witnesses:

MARTIN HENDRIKSON HANGEN,
GOTTLIEB C. KANNE.