

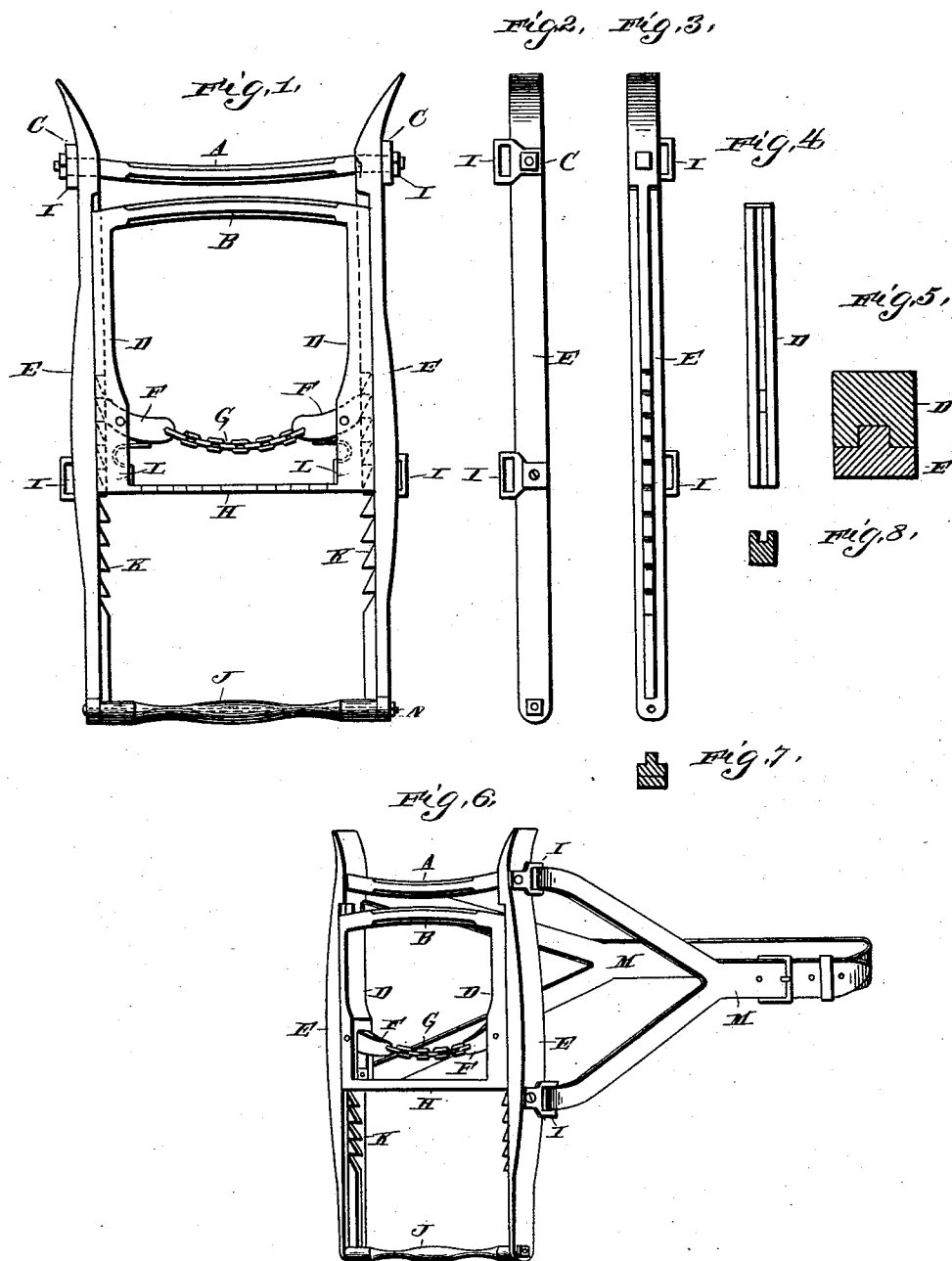
(No Model.)

2 Sheets—Sheet 1.

C. S. ELLIOTT.
VETERINARY MOUTH SPECULUM.

No. 477,838.

Patented June 28, 1892.



Witnesses:
John Beers
L. D. Halley

Inventor:
Charles S. Elliott,

(No. Model.)

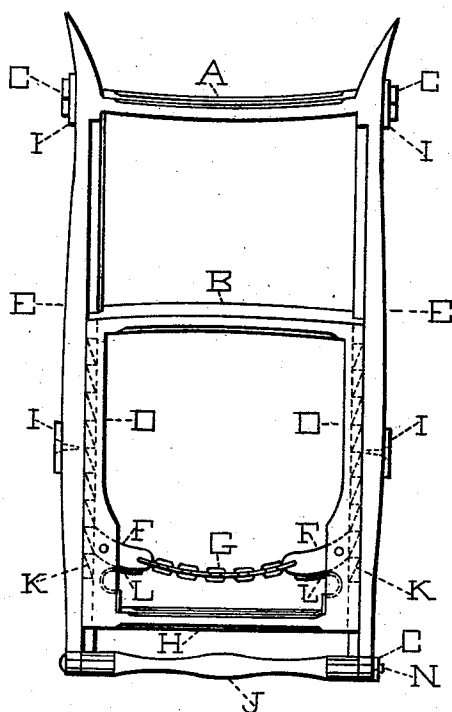
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FIG. 9.



WITNESSES.

John Beers.
Clarence M. Rasor.

INVENTOR.

Charles S. Elliott.

UNITED STATES PATENT OFFICE.

CHARLES S. ELLIOTT, OF GREENVILLE, OHIO.

VETERINARY MOUTH-SPECULUM.

SPECIFICATION forming part of Letters Patent No. 477,838, dated June 28, 1892.

Application filed March 21, 1892. Serial No. 425,874. (No model.)

To all whom it may concern:

Be it known that I, CHARLES S. ELLIOTT, of Greenville, in the county of Darke and State of Ohio, have invented a new and useful Veterinary Mouth-Speculum; and I do declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters marked thereon, making a part of this specification.

My invention consists of a mouth-speculum, and is intended to be used in veterinary practice to open and hold open the mouth of a horse for the inspection of the teeth or throat.

Figure 1 shows a front view of the speculum partially closed. Fig. 2 is a side or back view of the bar E, showing how the eyes I I I and I are fastened on the bar E. Fig. 3 is an inside view showing the tongue with the notches thereon. Fig. 4 shows the inside grooved edge of the bars D D. Fig. 5 shows a cross-section of the bars D D and E with the tongue thereon. Fig. 6 shows a perspective view of the speculum with the straps M M thereon that pass along the side and over the top of the head of the horse to hold the speculum securely while in use. Fig. 7 shows a cross-section of the bars E and E. Fig. 8 shows a cross-section of the bars D D. Fig. 9 shows said device open.

In Figs. 1 and 6 the outside frame that holds the sliding frame consists of the bars A, E E, and J, eyes I I I and I, and nuts C C with the notches K K on the bars E E, and the rod N, running through J, with a nut on the end of said rod. The sliding frame, also shown in said Figs. 1 and 6, consists of the bars B, D D, and H, the catches F F, secured by the rivets, as shown, and the chain G, each end of which is fastened to each of said catches F F, as shown, and the metal springs L L.

Fig. 6 shows how the leather straps M M

are made and fastened to the eyes I I I and I in the drawings. Said straps are shown as sewed onto said eyes in the drawings; but there can also be a buckle put on each of the straps near said eyes for the purpose of lengthening, shortening, or removing said straps.

Said speculum is operated as follows: The bars A and B are inserted in the horse's mouth while said bars are in close contact, A against the roof of the mouth and B resting on the inside of the lower jaw, and the straps M M are then placed over the head and behind the ears and buckled. One hand grasps the handle J, and the other hand grasps the bar H. The frame to which said bar H is attached is then drawn down and securely held in place by the catches F and F dropping into the notches K K and being held in the notches by the metal springs L L, thereby holding the mouth open securely for the inspection of the teeth and throat. To close the mouth, the chain G is pulled down, thereby releasing the catches F F from the notches K K. The pressure of the lower jaw on the under side of the bar B will raise the sliding frame against the bar A, and thereby allow the mouth to close.

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

The combination, in a veterinary mouth-speculum, of the rectangular frame, with the bars A and B of its upper part adapted to enter the horse's mouth, with the bar J in the lower part serving as a handle, with the ratchets K K on the inner sides of the bars E E of the upright frame, the interior sliding frame with its spring-pawls joined by the chain G and connected to the bars D D of said sliding frame, and with the bar H, also serving as a handle, and the straps M M, attached to said device, substantially as described.

CHARLES S. ELLIOTT.

Witnesses:

CLARENCE M. RASOR,
JOHN BEERS.