

No. 777,443.

PATENTED DEC. 13, 1904.

A. N. SORENSON.
CALF WEANER.

APPLICATION FILED DEC. 12, 1903.

NO MODEL.

2 SHEETS—SHEET 1.

Fig. 1.

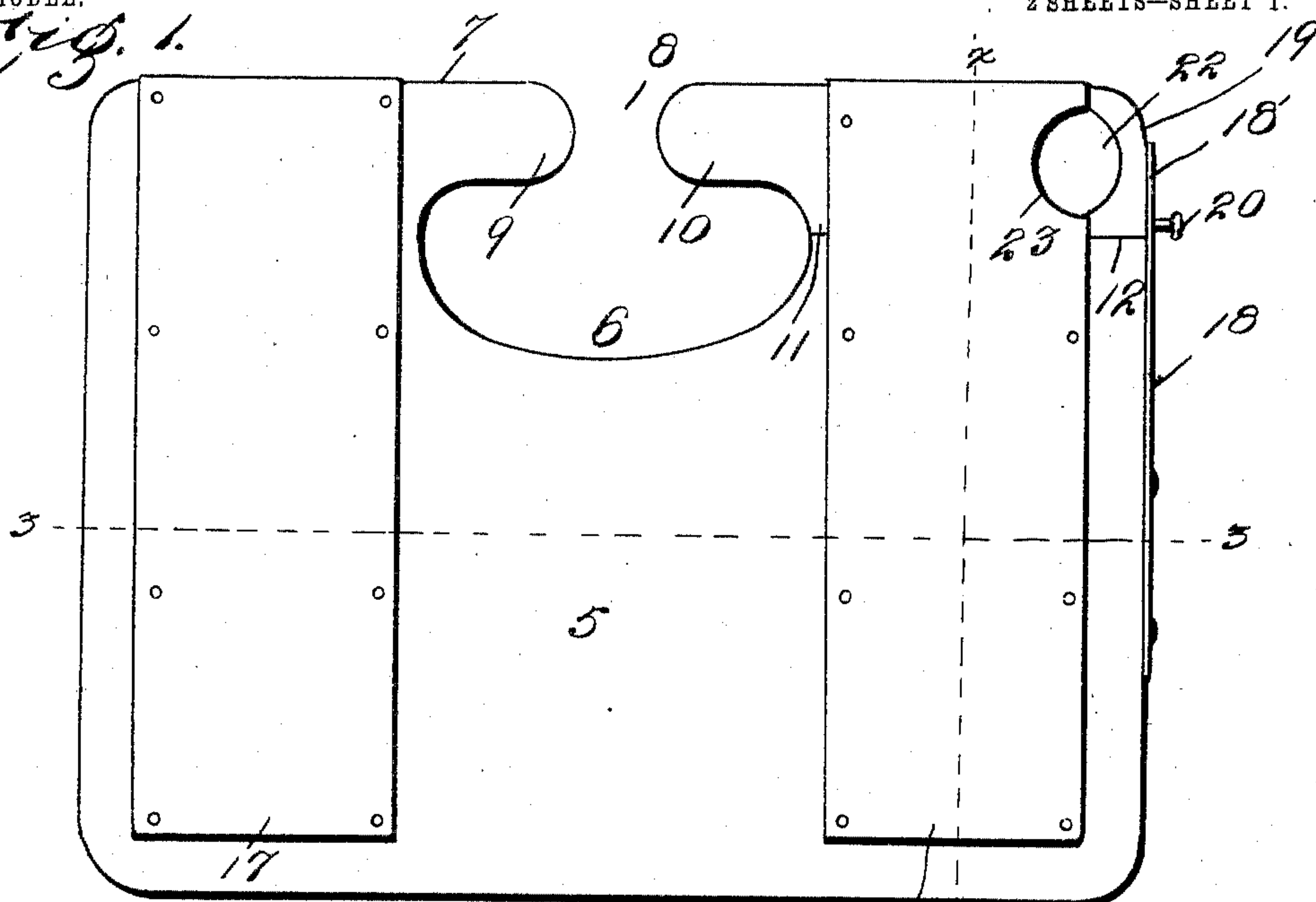
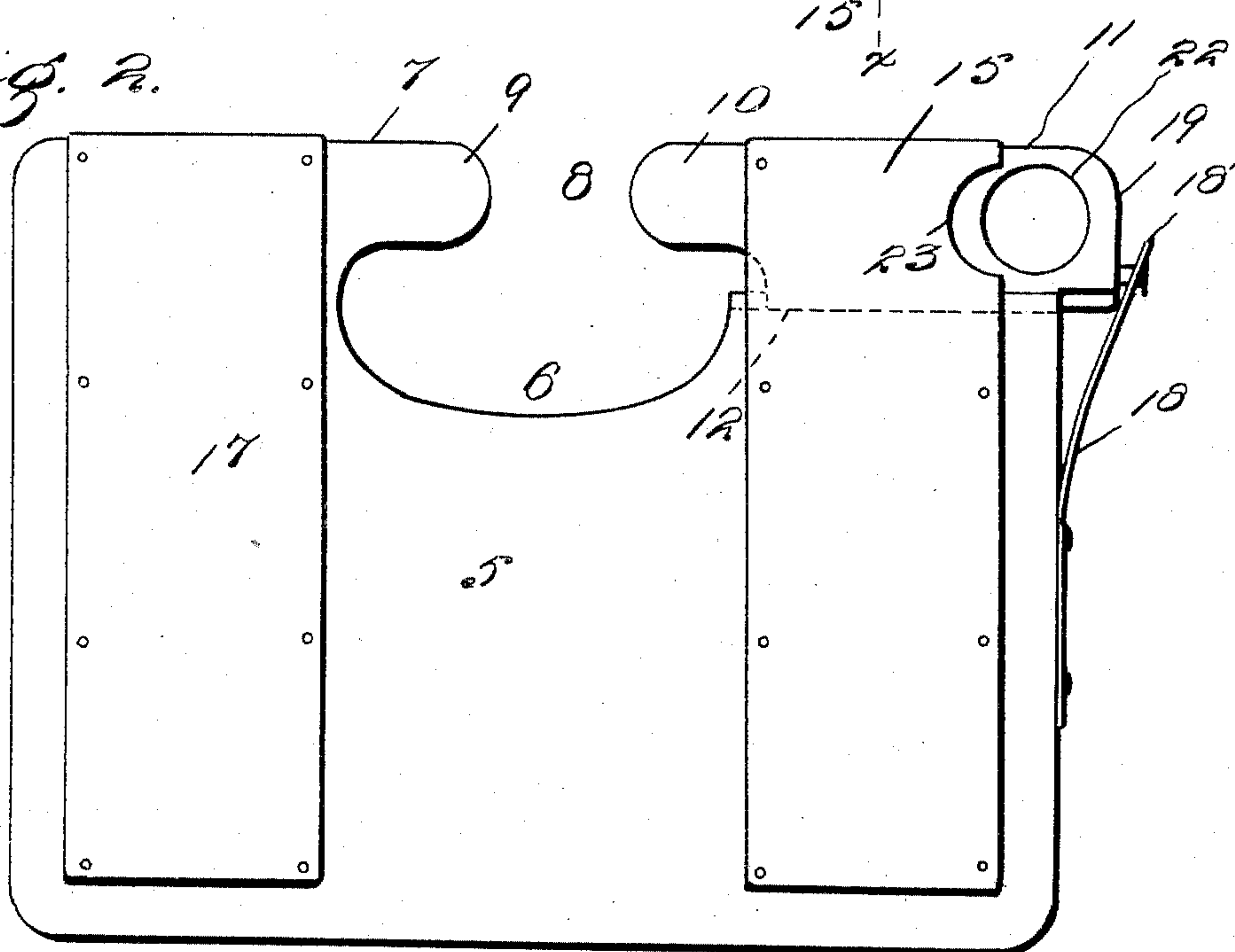


Fig. 2.



2 Witnesses
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2 SHEETS—SHEET 2.

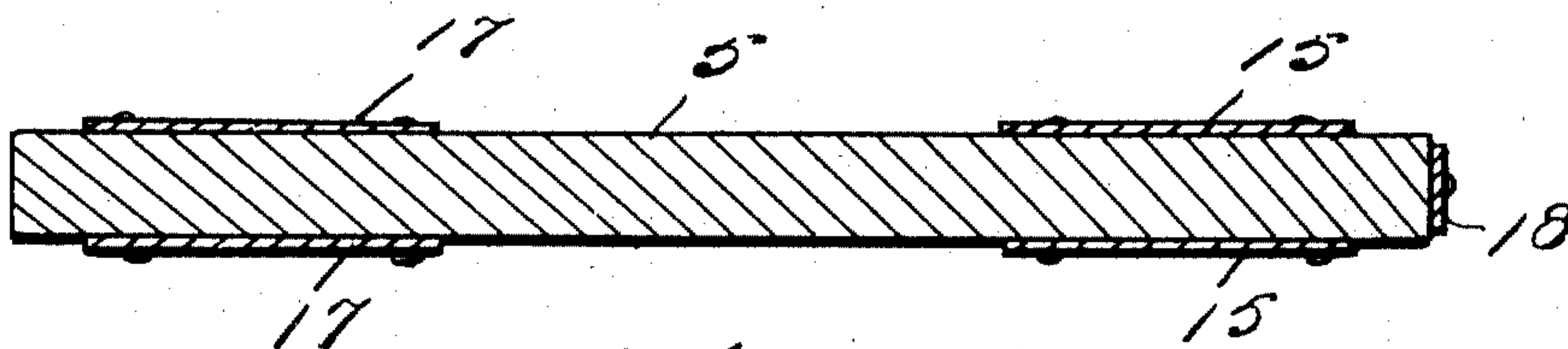


Fig. 3.

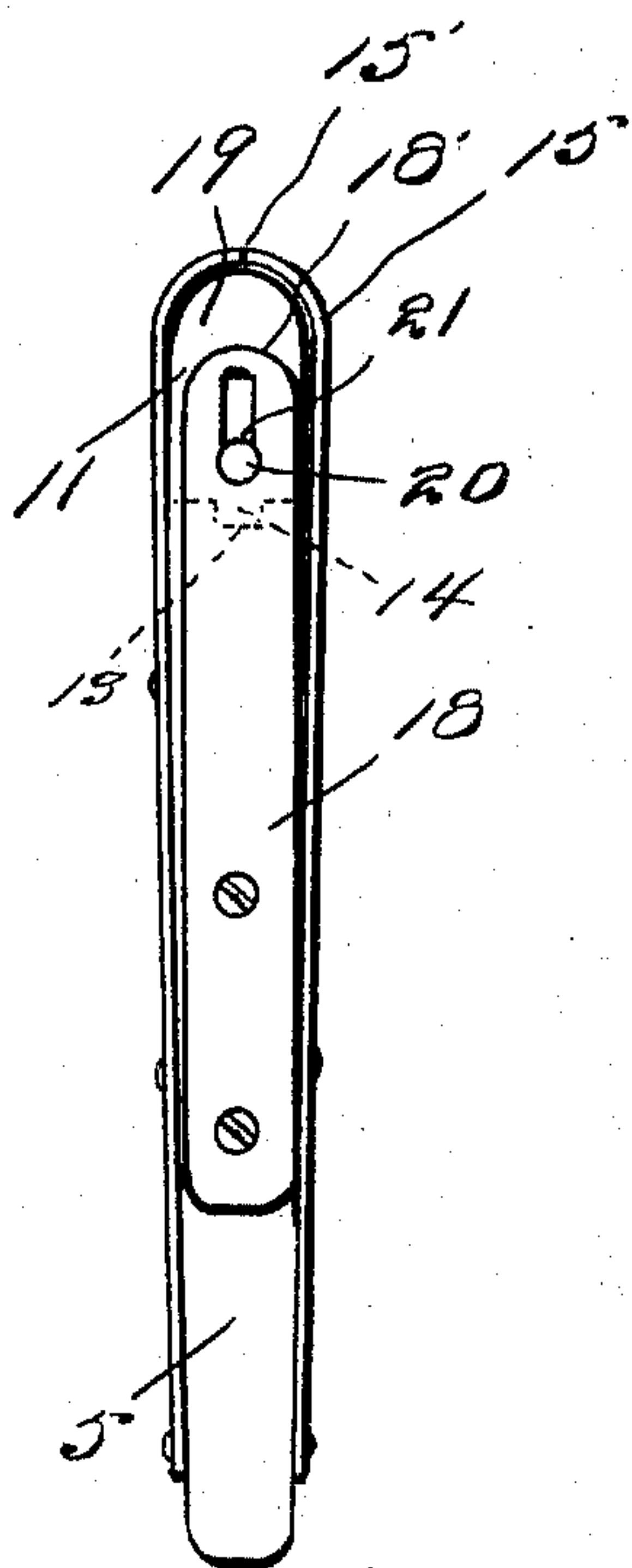


Fig. 4.

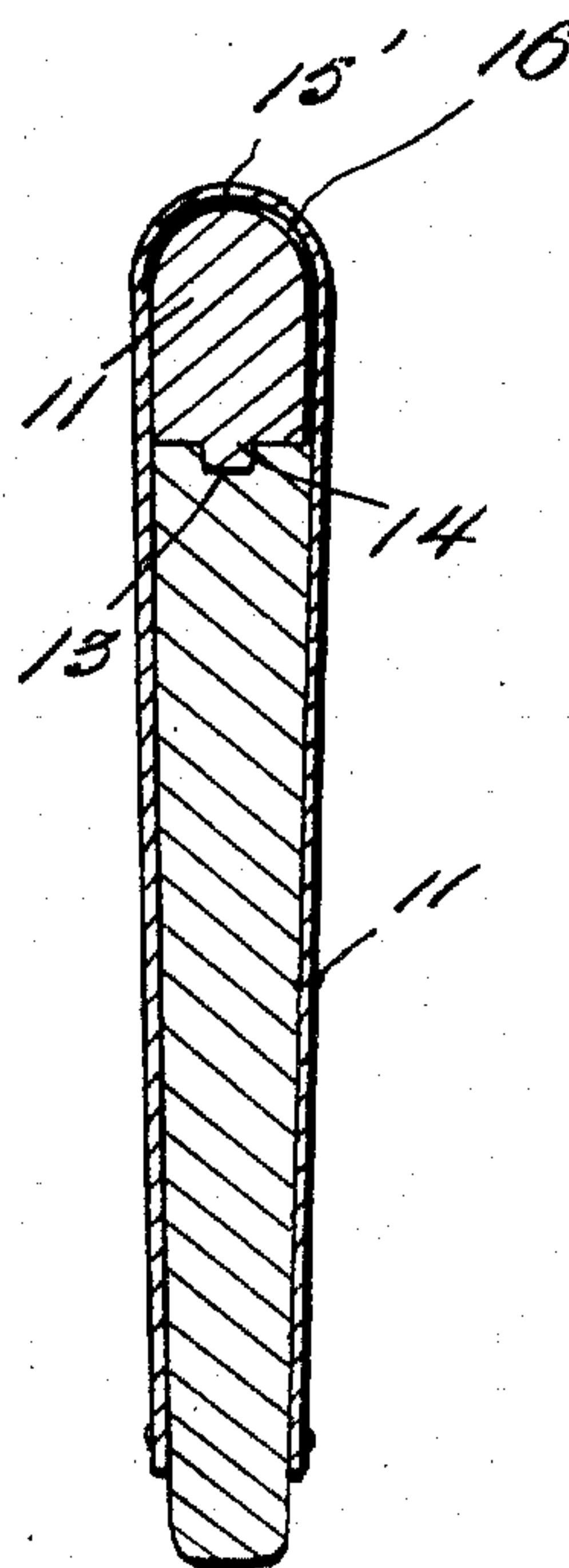


Fig. 5.

Witnesses
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UNITED STATES PATENT OFFICE.

ANCHOR N. SORENSON, OF GUSTAVE, SOUTH DAKOTA.

CALF-WEANER.

SPECIFICATION forming part of Letters Patent No. 777,443, dated December 13, 1904.

Application filed December 12, 1903. Serial No. 184,946. (No model.)

To all whom it may concern:

Be it known that I, ANCHOR N. SORENSON, a citizen of the United States, residing at Gustave, in the county of Butte, State of South Dakota, have invented certain new and useful Improvements in Calf-Weaners; and I do hereby 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.

This invention relates to calf-weaners, and more particularly to the class of such devices consisting of flaps which hang against the calf's lips, and has for its object to provide a device of this nature which will be cheap of manufacture and simple in construction, which will be so constructed as to thoroughly strengthen the several parts, and which may be quickly attached and detached without causing pain to the animal.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is an elevation of the complete device. Fig. 2 is a view similar to Fig. 1, showing the slide drawn back. Fig. 3 is a section on line 3 3 of Fig. 1. Fig. 4 is a view of the end of the device carrying the spring. Fig. 5 is a section on line *x x* of Fig. 1.

Referring now to the drawings, the present invention comprises a rectangular body portion 5, composed, preferably, of light wood or other suitable material, which has an opening 6 therethrough adjacent to its upper edge 7 and which also has a passage 8, connecting the opening 6 with the edge 7 of the body portion. As will be seen from the drawings, this arrangement results in a pair of spaced fingers 9 and 10, which lie above the opening 6. The finger 9 is integral with the body portion 5; but the finger 10 is carried by a sliding member 11, which is separated from the body portion on a line 12 transversely of the body portion and which lies in a plane with the center of the opening 6. At its point of union with the member 11 the body portion 5 is provided with a groove 13 in its edge, which receives a tongue 14, carried by the member 11.

There are provided a pair of metallic plates 15, which lie against the faces of the portion

5 and extend above the union of the body portion and the member 11 to the upper edge of the member 11 and have their upper edges 15' directed toward each other above the member 11. There is thus formed a passage 16, in which the member 11 slides. These plates 15 also act to strengthen the body longitudinally at one of its sides, and a similar pair of plates 17, secured to the face of the body portion at its remaining side, act to strengthen it in the same manner. To hold the member 11 normally at the limit of its motion toward the opening 6 and with the finger 10 projecting thereabove, the spring-plate 18 is secured at one of its ends to an edge of the portion 5 and bears with its free end 18' against what may be termed the "rearward" end 19 of the member 11. The end 18' of the spring has a slot 21 therein, which incloses the shank of a headed pin 20, which projects from the rearward end of the member 11.

It will be seen from the above that the member 11 will be normally held at the forward limit of its motion by the spring 18, which also prevents further forward movement of the member, and that the member may be drawn against the action of the spring 18 to enlarge the passage 8. To facilitate the movement of the member 11, this member has in its rearward end 19 an opening 22, which may be engaged by the finger, and, as will be seen, the plates 15 are provided with recesses 23 in their rearward edges, which aline with the perforation 22 when the member 11 is at the forward limit of its motion.

In attaching the weaner to a calf the member 11 is retracted, and the finger 9 is engaged with one nostril of the animal. The member 11 is then released, and the finger 10 is moved by the spring 18 into the other nostril, which effectually holds the weaner in place. It will be seen that this arrangement, while permitting the animal to eat and drink freely from the ground, effectually prevents suckling.

In practice modifications of the specific construction of the device may be made without departing from the spirit of the invention.

What is claimed is—

1. A calf-weaner comprising a plate, having a recess in its upper edge, fingers extend-

ing above the recess at the upper corners thereof and lying in spaced relation, one of said fingers being disposed for movement toward and away from the other finger, the remaining finger being stationary, a guide for the movable finger and a spring attached to the plate and to the movable finger to hold the latter yieldably in the direction of the stationary finger, said spring also acting to limit the movement of the finger in the direction of the stationary finger.

2. A calf-weaner comprising a body portion having a recess in its upper edge, a finger projecting above the recess at one side thereof, a second finger projecting from the remaining side of the recess and arranged for movement toward and away from the first-named finger, and means for holding the movable finger yieldably at the limit of its movement in the direction of the first-named finger.

3. A calf-weaner comprising a plate having a recess in its upper edge, a finger projecting above the recess at one side thereof, a second finger projecting from the remaining side of the recess and disposed for movement

toward and away from the first-named finger, means for holding the movable finger yieldably at the limit of its movement in the direction of the first-named finger, and means for limiting the movement of the movable finger away from the first-named finger.

4. A calf-weaner comprising a plate having a recess in its upper edge, a finger projecting above the recess at one side thereof, a second finger projecting from the remaining side of the recess and disposed for movement toward and away from the first-named finger, and a single means for holding the movable finger yieldably at the limit of its movement in the direction of the first-named finger, for limiting the movement of the movable finger away from the first-named finger, and for limiting its movement in the direction of the first-named finger.

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

ANCHOR N. SORENSON.

Witnesses:

Mrs. CARNE BERGERSON,
CARRIE T. OLESON.