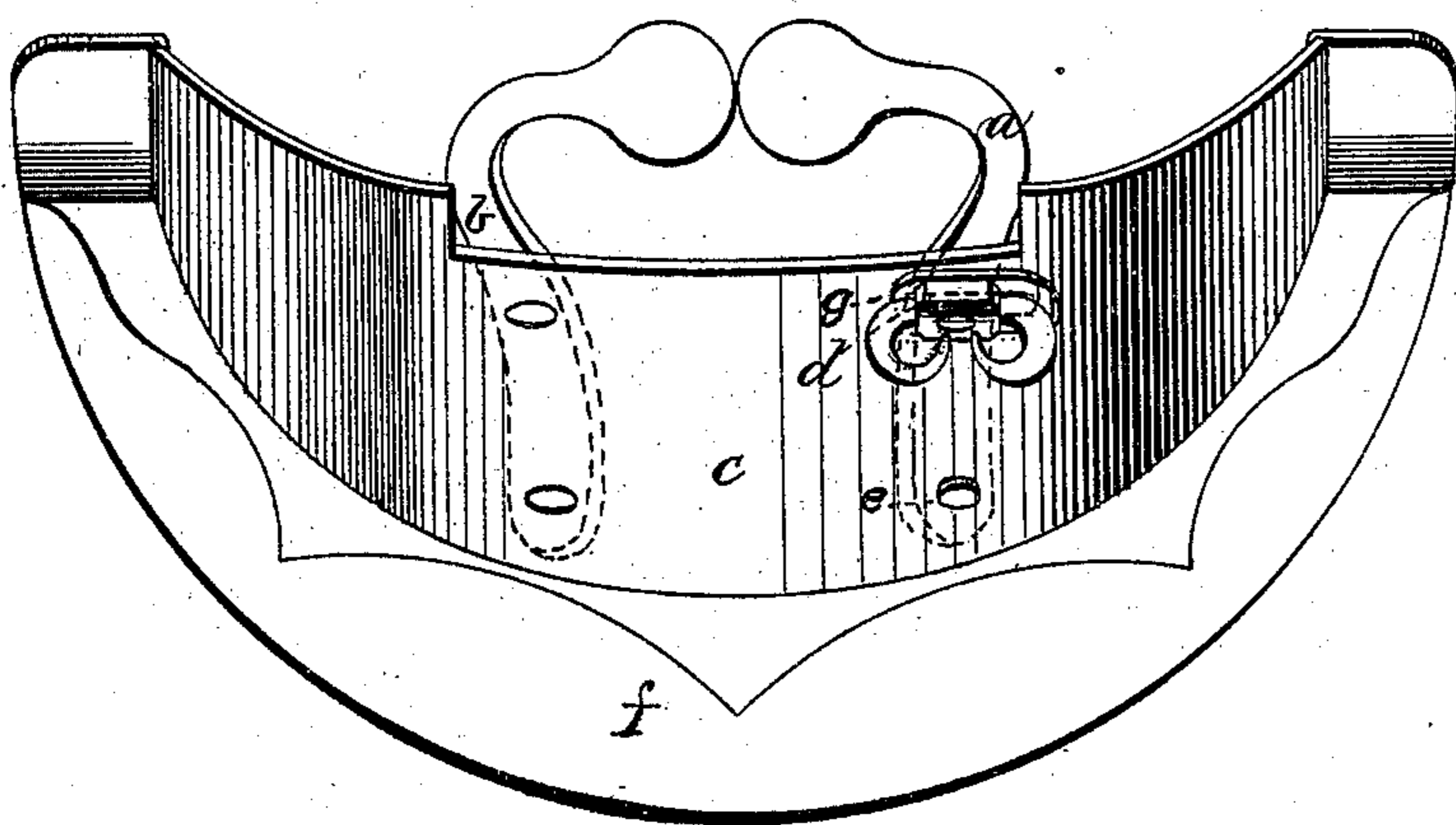


D. H. JOHNSTON.

CALF-WEANER.

No. 176,790.

Patented May 2, 1876.



Attest:

William S. Brown,

Alfred Ennis.

Inventor:

David H. Johnston,

UNITED STATES PATENT OFFICE.

DAVID H. JOHNSTON, OF TOPEKA, KANSAS.

IMPROVEMENT IN CALF-WEANERS.

Specification forming part of Letters Patent No. **176,790**, dated May 2, 1876; application filed October 2, 1875.

To all whom it may concern:

Be it known that I, DAVID H. JOHNSTON, of Topeka, county of Shawnee and State of Kansas, have invented a Calf-Weaner, of which the following is a specification:

My invention is a device intended to keep calves, colts, or other young animals from sucking, in order to wean them, and also to prevent cows from sucking themselves; and it is constructed as more particularly described in the following specification and accompanying drawing.

In weaners as ordinarily made a muzzle filled with spikes is strapped over or above the mouth of the animal; or a series of spikes mounted upon a metal bridge is fastened to its nose by clips, which take into the nostrils. These muzzles prevent grazing, and the spikes are a source of injury and danger both to the suckling and the dam.

To obviate this objection I attach a shield to the animal's nose by suitable fastenings, which is so shaped that, while it effectually prevents sucking, it offers no sharp cutting or penetrating points to cause injury, and does not interfere with grazing.

In the drawing, *c* is the shield, of suitable material, such as metal, practically rigid and unyielding. *f* is a ledge, bent outward at an obtuse angle to the shield, and having its

edge smooth and blunt. This shield is to be hung in the animal's nose by suitable means, so that the ledge may project in front, its angle being such that in grazing it will slide almost parallel over the surface of the ground, but will prevent the head being placed in any position permitting sucking. I prefer to attach the shield by clips, as shown in the drawing, *b* being a clip, knobbed at its end and rigidly secured to the shield, while *a* is a corresponding clip, swinging back and forth upon a pivot at *e*, and clamped in position by the thumb-screw *d*, which, when loosened, follows and limits the play of the clip by means of the curved slot in the shield at *g*.

Any other arrangement of, or mode of operating, the clips may be adopted which will hold the shield in the proper position.

I claim as my invention—

1. A calf-weaner consisting of the flanged shield, provided with suitable means for attaching it to the nose, substantially as described.

2. The combination of the flanged shield, the stationary clip *b*, the swinging clip *a*, and the thumb-screw, substantially as described.

DAVID H. JOHNSTON.

Attest:

WILLIAM S. BROWN,
ALFRED ENNIS.