H. Kaempf.

Dog Muzzle.

No. 92,315. Patented Jul. 6, 1869.

Fig. 1.

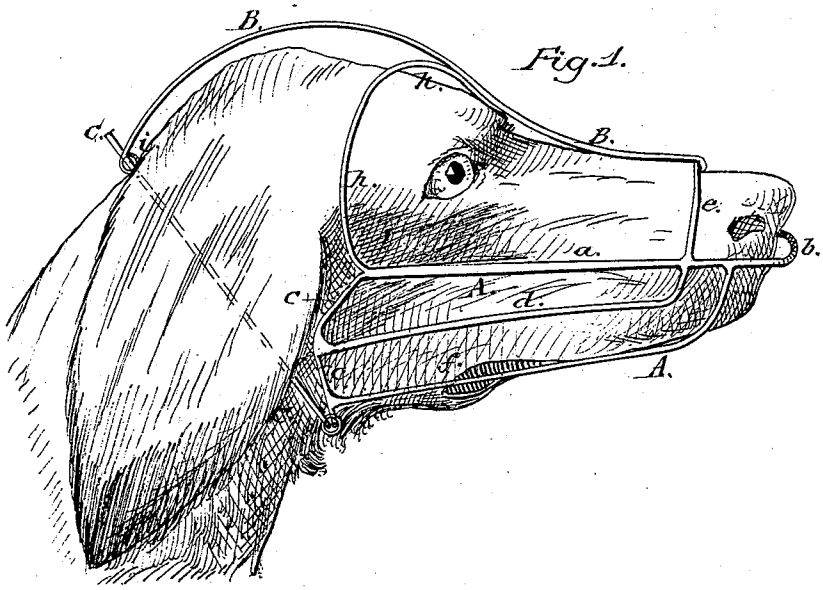
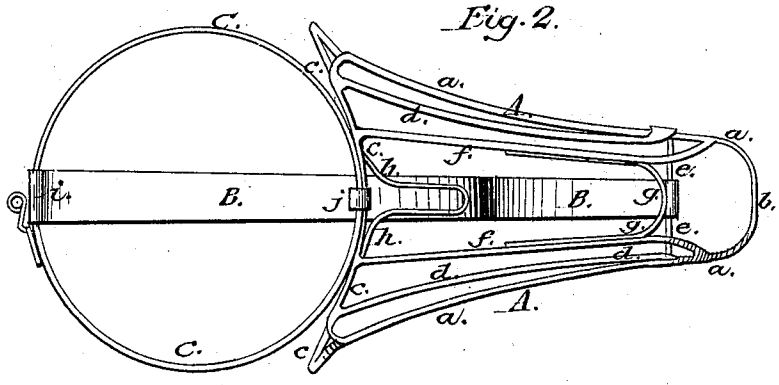


Fig. 2.



WITNESSES:

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HERMANN KAEMPF, OF NEWARK, NEW JERSEY.

Letters Patent No. 92,315, *dated July* 6, 1869.

IMPROVED DOG-MUZZLE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, HERMANN KAEMPF, of Newark, in the county of Essex, and State of New Jersey, have invented an Improved Muzzle for Dogs; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 represents a side view of my improved dog's muzzle.

Figure 2 is an inverted plan view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new dog's muzzle, which is so constructed that it will be light, substantial, and entirely reliable, without being in the least cumbersome to the animals, and without preventing the same from drinking.

The invention consists in forming a muzzle partly of wire rods, and partly of a flat metal spring, the collar-band being an independent wire spring or ring.

A, in the drawing, represents the body of the muzzle. It is made of wire rods, which are formed about as follows:

An endless wire, *a*, extends along both sides of the head in a straight direction, and is bent in front of the nose, as at *b*, while in rear it is bent under the throat, as at *c*.

Another wire, *d*, has its ends attached to the throat-ring *c*, and extends forward below and parallel with the wire *a*, but not quite as far to the front as the same, it being bent over the nose, as at *e*.

A pair of wires, *f*, have their rear ends fastened to the throat-ring *c*, and extend forward under the straight portion of the wire *d*, their front ends being bent up and fastened to the front part of the wire *a*, as at fig. 1.

The two wires *f* are near their front ends connected by a wire, *g*, which is under the lower jaw. The dog is enabled to lap, as there is ample space for that purpose left between the wires *b* and *g*.

To the upper part of the throat-ring *c* are secured the ends of a wire, *h*, which is bent into two curves, to extend over the animal's head, behind the eyes of the same.

B is a flat metal spring. The front end is fastened to the part *e* of the wire *d*, and it extends back, in line with the middle of the head, to the collar C, which is a wire or other ring, fitted through an eye, *i*, of the plate B, and through another eye, *j*, formed on the throat-ring *c*.

The collar can be closed by a suitable catch, or by simple hooks, or by other suitable means.

The spring B is fastened to the wire *h*, and is thereby stiffened.

The muzzle is by this arrangement made lighter and more practicable than those in use, which were heavy and cumbersome, and annoying to the animals.

The elastic spring makes it adaptable to heads of different size, and will, with collars of various diameters, always accommodate itself to the form of head.

Having thus described my invention,

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

The flat spring B, in combination with the wire ring C and the bent wires *a*, *b*, *c*, *d*, *e*, *f*, *g*, and *h*, when said spring extends from the nose to the ring C, conforming to the curvature of the head, all arranged as herein shown and described, for the purpose specified.

H. KAEMPF.

Witnesses:
FRANK BLOCKLEY,
ALEX. F. ROBERTS.