

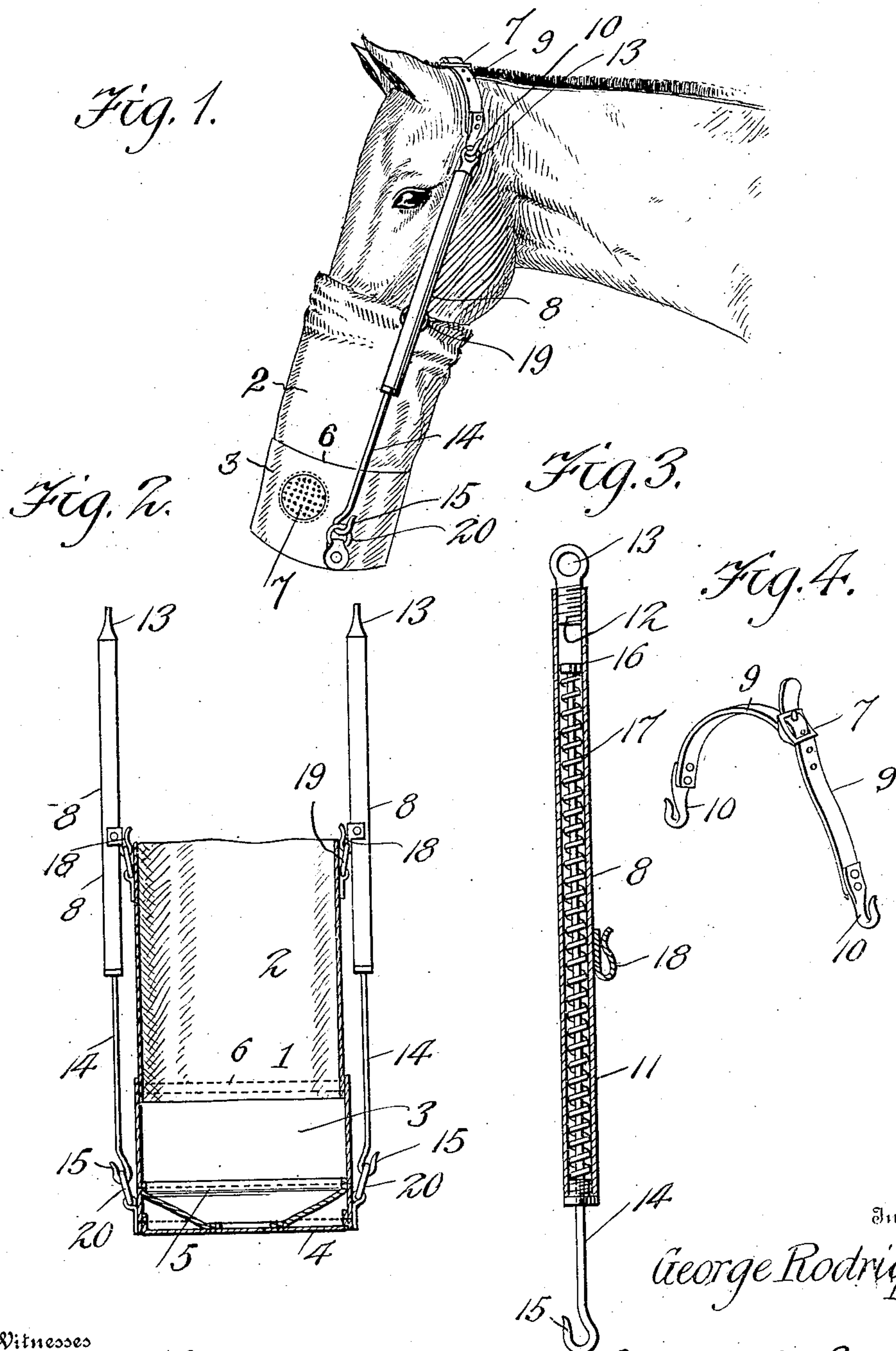
No. 886,252.

PATENTED APR. 28, 1908.

G. RODRIGUEZ.

FEED BAG.

APPLICATION FILED MAR. 21, 1907.



Witnesses

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GEORGE RODRIGUEZ, OF CASTROVILLE, CALIFORNIA

FEED-BAG.

No. 886,252.

Specification of Letters Patent.

Patented April 28, 1908.

Application filed March 21, 1907. Serial No. 863,632.

To all whom it may concern:

Be it known that I, GEORGE RODRIGUEZ, a citizen of the United States, residing at Castroville, in the county of Monterey and State of California, have invented new and useful Improvements in Feed-Bags, of which the following is a specification.

The invention relates to improvement in feed bags, comprehending specifically a means for connecting the feed bag to the head of the animal.

The main object of the present invention is the provision of a simple form of connection whereby the feed bag may be readily attached to or detached from the head of the animal and in the use of which the level of the food within the bag is automatically maintained within convenient reach of the lips of the animal.

The invention in the preferred form of details will be described in the following specification, reference being had particularly to the accompanying drawings, in which:—

Figure 1 is a perspective view, illustrating the construction and application of my improved feed bag. Fig. 2 is an elevation of the same, with the bag proper in vertical section. Fig. 3 is a vertical longitudinal section, partly in elevation, of one of the connecting posts. Fig. 4 is a perspective view of the head strap.

Referring particularly to the drawings, my improved feed bag 1 comprises an upper section 2 and a lower section 3, the former being a cylindrical body of readily compressible fabric, as canvas and the like, and the latter being a cylindrical body of more rigid fabric, as leather.

The section 3, hereinafter termed the rigid section, is provided with a bottom 4 above which is secured a conical guide 5 serving to direct the food toward the center of the bottom and prevent the accumulation of said food at the juncture of the bottom and the side wall. The upper section 2, hereinafter termed the collapsible section, is secured at its lower end within the upper open end of the rigid section, preferably by stitching 6, said rigid section being, if desired, formed with a series of ventilating openings 7, arranged at any desired point in the side wall.

The present invention is directed more particularly to the means for supporting the bag from the head of the animal, said means comprising a head strap 7, and duplicate supporting posts 8.

The head strap 7 comprises duplicate strap sections 9, terminally provided hooks 10 and with an inter-connecting means, as a buckle and eye-openings.

The posts 8 are of duplicate construction, each comprising a cylindrical body 11, closed at the upper end by a plug 12, arranged for threaded connection with the body, and formed beyond the body with an eye 13 to engage one of the hooks 10 of the head strap. A stem 14 is mounted within the body, passing through an opening in the lower end of the body and being terminally formed beyond the body with a hook 15. The upper end of stem within the body is formed with a disk head 16, and between said head and encircling the stem is arranged a coil spring 17, the respective ends of which bear against the disk 16 and the lower end of the body 11. The spring is so tensioned as to normally maintain the disk head of the stem in contact with the plug 12, so that any longitudinal movement of the stem is against the tension of the spring.

The body 11 is formed at a point intermediate its ends with a spring clip 18, preferably formed independently of the body and removably secured thereto in any desired manner.

The collapsible section 2, of the bag is provided on its outer surface and at diametrically opposed points with rings 19, said rings being arranged immediately adjacent the upper edge of the section. The rigid section 3 is similarly provided with rings 20, respectively aligned with the rings 19 and secured to the section 3 adjacent the bottom or lower edge of the latter.

In securing the bag in place, the posts 8 are first secured in place by engaging each post with the aligned rings 19 and 20, the former engaging the clip 18, and the latter engaging the hook 15. Food in desired quantity is then placed in the bag, the head strap 9 positioned over the head of the animal, and the hooks 10 of said straps engaged by the eyes 13 of said posts. In this position the weight of the food of the bag will depress the stems 14 against the tension of the spring 17, the parts being of such relative weight and strength as to normally maintain the level of the food within reach of the animal's lips. As the food is consumed the springs act to draw upward upon the rigid section of the bag, thus automatically maintaining the food level at the desired height. As the rigid

section moves upward the section 2 will collapse or fold, as illustrated in Fig. 1, thereby notifying the attendant of the condition of the food within the bag.

5 Owing to the specific construction described, the supporting member of the bag may be readily detached and formed in a small package when not desired for use, the collapsible section 2 of the bag also providing
10 for the ready folding of said section within the rigid section, thereby providing a feed bag which may be conveniently carried or stored in small space when not in use.

Having thus described my invention, what
15 I claim as new, and desire to secure by Letters Patent, is:—

A feed bag comprising a rigid section, a collapsible section connected therewith, spring supports for said bag, comprising telescoping
20 members, the spring of each of said supports tending to telescope said members, one end of one of said members being connected to the lower end of the rigid section, the other of

said members being connected intermediate
its ends to the upper end of the collapsible section, the normally distended positions of the
25 sections serving to maintain the members extended, the member connected to the collapsible section being directly supported from
the head of the animal, whereby as the feed
30 is exhausted from the bag the rigid section is gradually moved upward toward the mouth of the animal, the connection of the supporting member with the collapsible section and
head of the animal serving to maintain the
35 upper portion of the collapsible section in fixed relation to the head of the animal and thereby collapsing said section in the movement of the rigid section.

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

GEORGE RODRIGUEZ.

Witnesses:

CHAS. A. MILLER.
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