

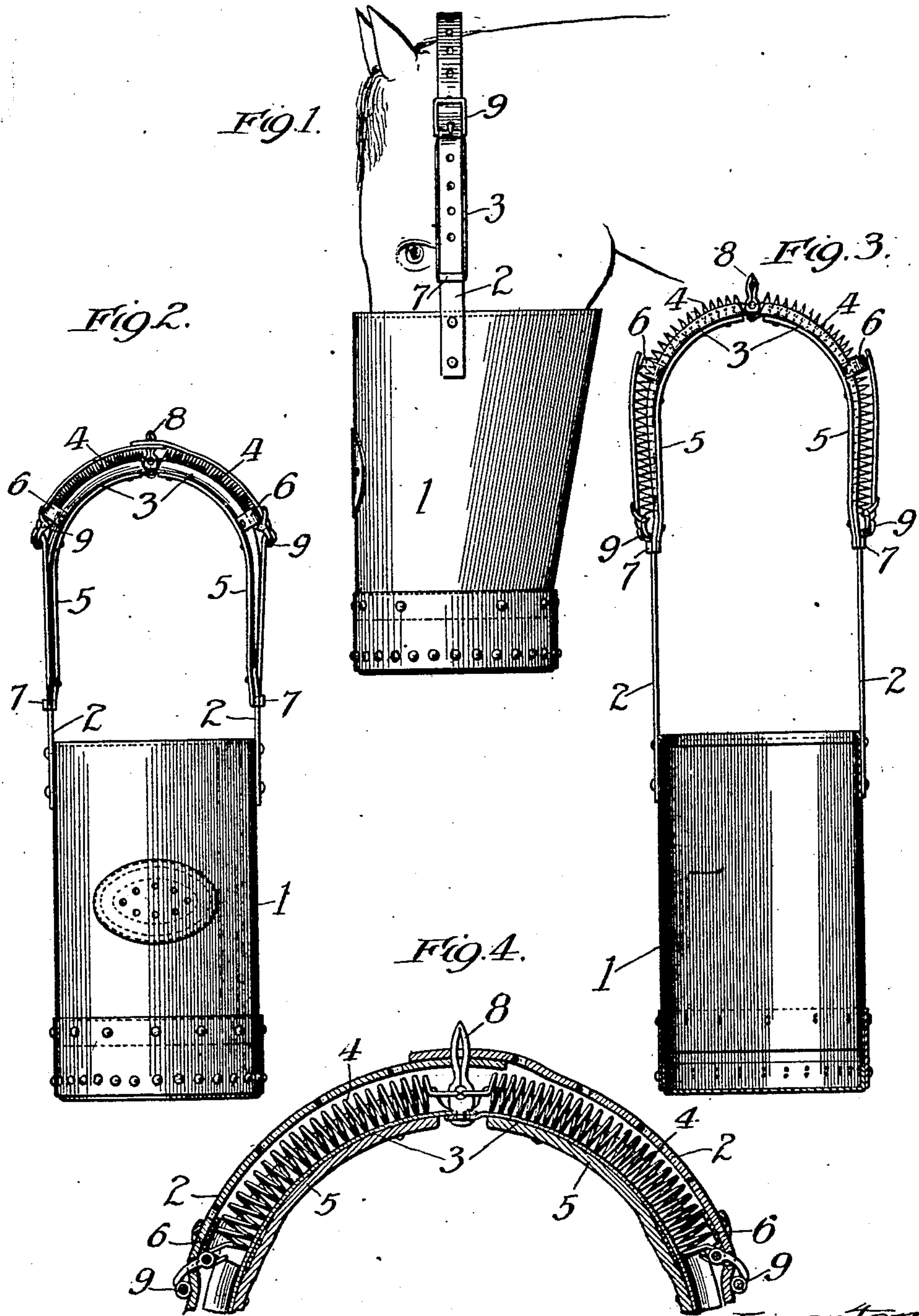
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FEED BAG.

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923,859.

Patented June 8, 1909.



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# UNITED STATES PATENT OFFICE.

ALEXANDER KOVACS, OF CHICAGO, AND ANTON CSUPÁK, OF HARVEY, ILLINOIS.

## FEED-BAG.

No. 923,859.

Specification of Letters Patent.

Patented June 8, 1909.

Application filed December 21, 1908. Serial No. 468,493.

*To all whom it may concern:*

Be it known that we, ALEXANDER KOVACS and ANTON CSUPÁK, citizen of the United States of America, and residents of Chicago, Cook county, State of Illinois, and Harvey, Cook county, State of Illinois, respectively, have invented certain new and useful Improvements in Feed-Bags, of which the following is a specification.

10 The main object of this invention is to provide improved means for supporting a feed bag from the head of an animal, whereby the bag will be automatically advanced upward so as to keep the contents always within reach of the mouth of the animal and thereby avoid the waste of grain which occurs with an ordinary feed bag when an animal tosses the bag in an effort to bring the grain within reach. This object is accomplished by the device shown in the accompanying drawing, in which:

Figure 1 is a side elevation, showing a feed bag constructed according to this invention suspended from the head of a horse. 25 Fig. 2 is an elevation of the feed bag with the supporting means secured in their contracted position. Fig. 3 is an elevation, partly sectional, of the feed bag with the supporting means extended, as when the bag is in use and contains a quantity of grain. 30 Fig. 4 is an enlarged sectional detail of the supporting means while secured in their contracted position.

In the form shown in the drawing, the receptacle or bag 1 is of the ordinary construction and is hung by a pair of straps 2 from an arched member 3 which is shaped to fit over the neck of a horse, just back of the ears. The member 3, comprising two sections pivoted together at the top, is preferably made of metal. The upper parts of both sections of the member 3 are substantially semi-circular in cross-section, so as to form guideways and seats for the springs 4 which connect the straps 2 with the member 3. The lower part of each section is channel-shaped to guide the straps 2. A pad 5 is secured to the inner face of the member 3. Loops 6 and 7 on the member 3 retain the springs and straps in their respective seats and also serve as stops for limiting the movement of the bag with respect to the member 3. The upper ends of the springs 4 are attached to a stud 8 on the member 3, and their lower ends are attached to the buckles 9 adjustably mounted on the straps

2. One end of each strap 2 is secured to the bag, and the strap is then passed through the respective buckle 9, and its free end has perforations whereby it may be secured to the stud 8 to hold the springs in their retracted positions, as in Fig. 4.

The adjustment and operation of the device shown is as follows: When the bag is not in use and is being carried about by hand or is hung up, the straps 2 are fastened to the stud 8. When an animal is to be fed from the bag, the straps 2 are removed from the stud 8, and the weight of the grain causes the springs 4 to stretch. As the grain is eaten by the animal, the weight supported by the springs 4 is correspondingly decreased, and the bag automatically rises proportionately to the consumption of the grain.

The springs 4 should be of such strength that they will stretch until the buckles 9 engage the stops 7, when the bag is full of grain, but will hold the buckles into engagement with the stops 6 when the bag is empty. By adjusting the straps 2 in the buckles 9, the bag may be adjusted to fit the individual animal.

Although we have shown and described but one specific embodiment of our invention, it will be understood that some of the details of the construction shown may be altered or omitted without departing from the spirit of this invention.

We claim:—

1. The combination of a feed bag, an arched member adapted to support the bag from an animal's head, straps secured to said bag at opposite sides, and helical spring secured to said straps and connected to said member near the middle of the arched part thereof, said springs being adapted to automatically elevate said bag as the removal of the contents lightens the weight thereof, and said member being shaped to guide the movements of said straps and connection and means for securing said straps directly to said member to prevent the extension of said springs.

2. The combination of a feed bag, an arched member, straps secured to said bag for supporting it from said member, helical springs extending downwardly at each side of said member and adjustably connected their lower ends with said straps, the free ends of said straps extending upward and adapted to be secured to prevent the extension



sion of said springs, and means for securing said free ends of the straps.

3. The combination of a feed bag, an arched member, straps secured to said bag  
5 for supporting it from said member, helical springs extending downwardly at each side of said member and adjustably connected at their lower ends with said straps, the free ends of said straps extending upward and  
10 adapted to be secured to prevent the extension of said springs, means for securing said free ends of the straps, said member being shaped to guide the movement of said springs between its contracted and extended  
15 positions, and stops on said member for limiting the movement of said springs.

4. The combination of a feed bag, an arched member comprising two parts pivoted together on a vertical axis at the top,  
20 an upwardly projecting stud on said member, straps connected to said bag at opposite sides, and a pair of springs extending downwardly along opposite sides of said member and each having one end connected to said  
25 stud and having the other end connected to one of said straps at a point intermediate of

its ends, said springs being adapted to automatically elevate said bag as the removal of the contents lightens the weight thereof.

5. The combination of a feed bag, an arched member comprising two parts pivoted together on a vertical axis at the top,  
3 an upwardly projecting stud on said member, straps connected to said bag at opposite sides, and a pair of springs extending downwardly along opposite sides of said member  
3 and each having one end connected to said stud and having the other end connected to one of said straps at a point intermediate of  
4 its ends, said spring being adapted to automatically elevate said bag as the removal of the contents lightens the weight thereof, said  
4 straps being adapted to be connected to said stud for securing said spring in a contracted position.

Signed at Chicago this 19th day of December, 1908.

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