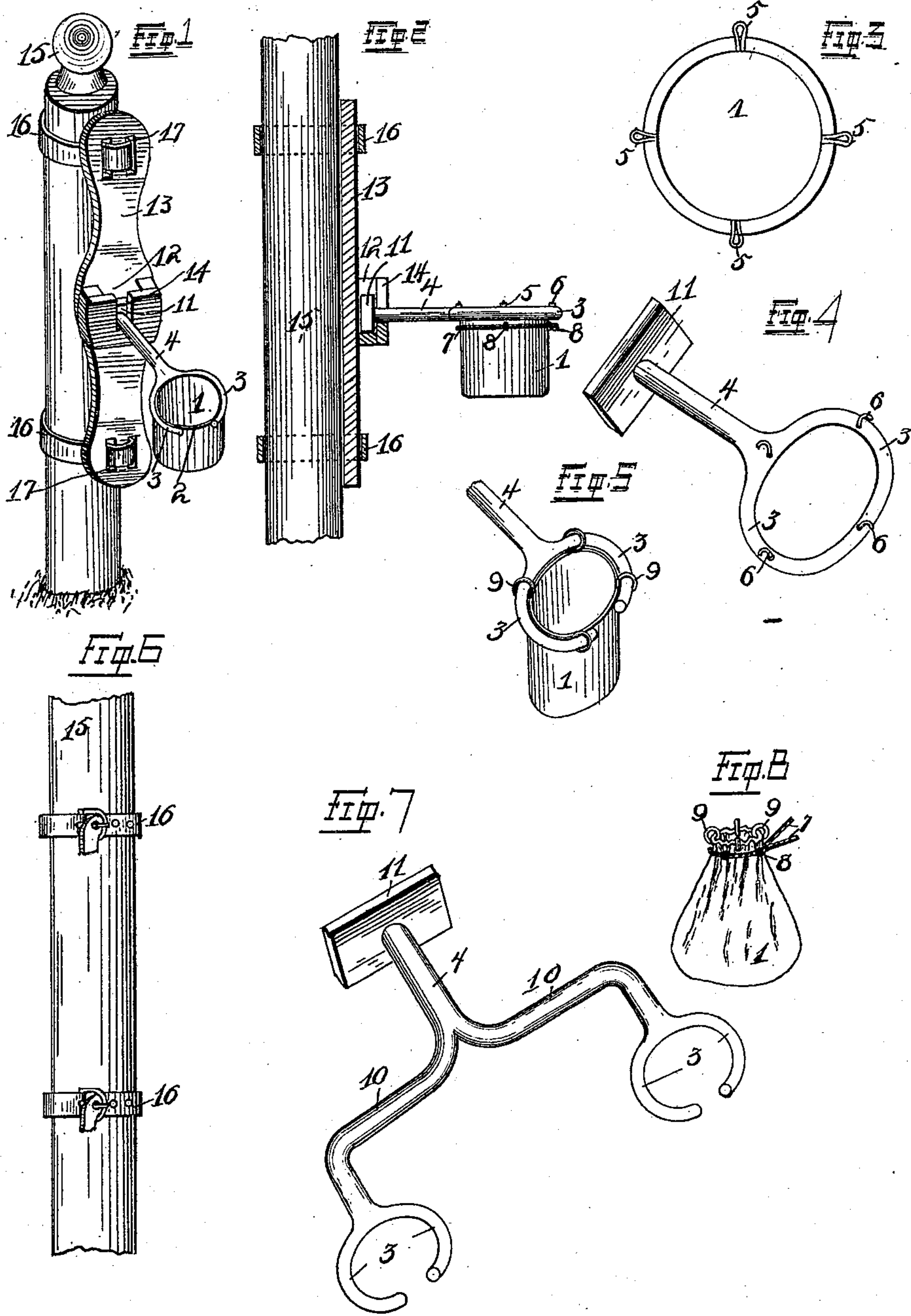


(No Model.)

D. N. STOCK.
FEED BAG SUPPORT.

No. 488,851.

Patented Dec. 27, 1892.



Witnesses
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UNITED STATES PATENT OFFICE.

DENIS N. STOCK, OF ST. LOUIS, MISSOURI.

FEED-BAG SUPPORT.

SPECIFICATION forming part of Letters Patent No. 488,851, dated December 27, 1892.

Application filed May 19, 1892. Serial No. 433,568. (No model.)

To all whom it may concern:

Be it known that I, DENIS N. STOCK, of the city of St. Louis and State of Missouri, have invented certain new and useful Improvements in Feed-Bags and Means for Supporting the Same while in Use, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

10 My invention relates to portable "feed bags or boxes," and consists in the novel construction, combination, and arrangement of parts as hereinafter specified in the claims.

15 In the drawings: Figure 1 is a perspective view of my complete invention applied to a stationary post. Fig. 2 is a sectional side elevation of the same, with parts broken away, and showing a modified form of supporting arm and feed receptacle. Fig. 3 is a top plan
20 view of a feed receptacle, detached. Fig. 4 is a perspective view of the supporting arm shown in Fig. 2. Fig. 5 is a perspective view showing the supporting arm illustrated in Fig. 1 and a modified form of means of attaching
25 the feed receptacle thereto. Fig. 6 is a side elevation of a post, with its ends broken away, and showing attaching-straps in position thereon. Fig. 7 is a perspective view of a modified form of supporting arm, and Fig. 8
30 is a perspective view of a canvas feed-bag.

The object of my invention is to provide an improved feed receptacle and a portable attachment therefor, which, when not in use may be folded into compact form and stored
35 in small space and which, when in use, may be attached to any convenient stationary support and be quickly adjusted for feeding an animal.

1 indicates the feed receptacle, which may
40 be made of any suitable material, such as wood, sheet metal, or canvas, and which is provided at its upper edge with suitable device adapted to engage with a detachable supporting arm in the manner now to be de-
45 scribed.

In Fig. 1 I have shown the receptacle 1 provided with an annular supporting rim or ring 2, which is mounted adjacent the upper end of the receptacle so as to project upon the ex-
50 terior thereof, and support the receptacle by resting upon the curved arms 3, 3 of the main

supporting arm 4. The curved arms 3 may have their outer free ends separated as shown in Fig. 1, or they may be united so as to form a complete circle, as shown in Figs. 2 and 4. 55

In Figs. 2, 3 and 4 I have illustrated a modification of the manner of securing the receptacle to the curved arms 3, in which the feed receptacle is provided with a series of radially arranged loops 5, made of cord, leather
60 or the like and secured to the upper end of the receptacle, and which are adapted to engage a series of outwardly projecting hooks 6 radially arranged upon the upper surface of the curved arms 3 in proper relative position. 65
In Fig. 2 I show the feed-bag supported by these hooks and loops.

7 indicates an ordinary draw-string, or a leather strap, passed through suitable eyes or loops 8, located upon the exterior of said receptacle, and the purpose of which string or
70 strap is to close the mouth of the feed-bag or receptacle, when so desired.

In Fig. 5 I show a still further modification, in which the feed receptacle is provided with
75 a series of small rings or eyes 9, which are adapted to be slipped upon the curved arms 3, and so support the said receptacle pendant from said arms, and readily removable there-
80 from.

In Fig. 7 I have illustrated a modified form of main supporting arm for use with two feed receptacles, in feeding two animals simulta-
85 neously, in which 4 indicates the main arm and 10 indicates lateral branches or extensions thereof, which are located at an angle to said main arm and have their outer ends bent forward and carrying the two pairs of curved arms 3, 3 in the same plane, but separated a suitable distance from each other. The
90 rear or inner end of the main arm 4 is adapted to be detachably secured at a suitable height from the ground, in order to permit feeding of the animals from the receptacle. This I prefer to accomplish by providing said rear
95 end with a head or enlargement 11 of angular form and by locating said head within a gravity-socket 12 formed upon or secured to a portable vertical support 13. (See Figs. 1 and 2). The socket 12 is constructed with an open
100 upper end for insertion of the enlargement 11, with a closed lower end and closed oppo-

site sides, and with a slot in its front wall said slot being indicated by the numeral 14. The portable support 13 is preferably made of wood or some other light material, and the socket 12 is applied thereto intermediate of the ends of said vertical support, so that the main arm 4 will be supported at a right angle to the portable support adjacent the front face thereof. The rear face of said support 13 is constructed to be detachably secured to any stationary object, such as a post 15, or a tree, and this may be done in various manners, for instance as I have here shown, by means of suitable buckled straps of leather or other material, or by means of ropes, cords or chains. I prefer to secure the straps, which I designate by the numeral 16 permanently to the said portable support, one at each end thereof, by passing said straps through apertures 17 formed in the support adjacent each end thereof, so that said straps will pass around or encircle a portion of the support at each end, and draw it tightly into contact with the stationary object.

The operation is as follows: The entire device is supposed to normally lie in a compact bundle, stored away in some portion of the wagon-bed or carriage body, and when it is desired to feed an animal the driver simply stops at some point on the road, whether in city or country, with the horse's head adjacent some stationary object, such as a post or tree; he then causes the straps 16 to encircle the post or tree, buckles them in position, as shown in Figs. 1 and 5, so that the portable support 13 will become fixed in a vertical position, with the open end of the socket 12 upward; he then places the head 11 of the main arm 4 into the socket 12 so that said arm will project outwardly through the slot 14, and the said arm will be supported in position at a right angle to said support. The operator should of course see that the arm 4 is located at the proper height to permit access of the horse to the feed receptacle carried thereby.

In the construction shown in Figs. 2, 3 and 4, the feed receptacle is applied to the curved arms 3 by being passed upward in the space between said arms, or by being passed down-

ward therein, and the loops 5 are made to engage the hooks 6.

In the construction shown in Fig. 5, the feed bag is affixed to the arms 3 by passing the rings 9 over said arms.

In a two-horse supporting device shown in Fig. 7, the operation is substantially the same as that above described, with the exception that a feed receptacle is secured to each of the pairs of the curved arms.

From the above it will be seen that I have provided an improved feed-bag and means for supporting the same, by the use of which a team of two horses, or a single horse, may be fed while standing in harness, hitched to the vehicle without the aid of any other support than that carried by the vehicle.

The device above described is simple in operation, effective in use and low in cost.

I do not desire to limit myself to the exact form of portable support which I here show, as it is evident changes may be made in this respect, without departing from the scope of my invention.

What I claim is:

1. A nose bag support comprising a portable supporting board or plate 13, means for detachably securing said support to a fixed object, a socket 12 having a slot 14 in its front wall and mounted upon or secured to the front face of said support, a main supporting arm 4 having an enlargement 11 at one end constructed to detachably engage said socket in the portable support, and having at its opposite end arms 3 to support a feed receptacle, substantially as and for the purposes specified.

2. In a bag support, the combination, with a board or plate adapted to carry a supporting arm, and provided at each end with two parallel slots 17, of securing straps passed through said slots and embracing the portion of the board or plate between said slots; substantially as and for the purpose set forth.

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

DENIS N. STOCK.

Witnesses:

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