(No Model.)

D. N. STOCK.

FEED BAG.

No. 495,278. Patented Apr. 11, 1893.

Fig. 1

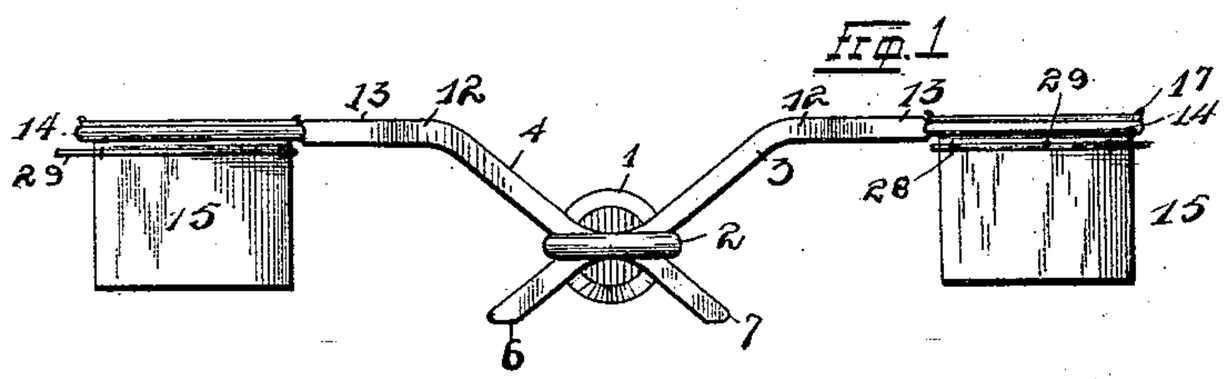


Fig. 2

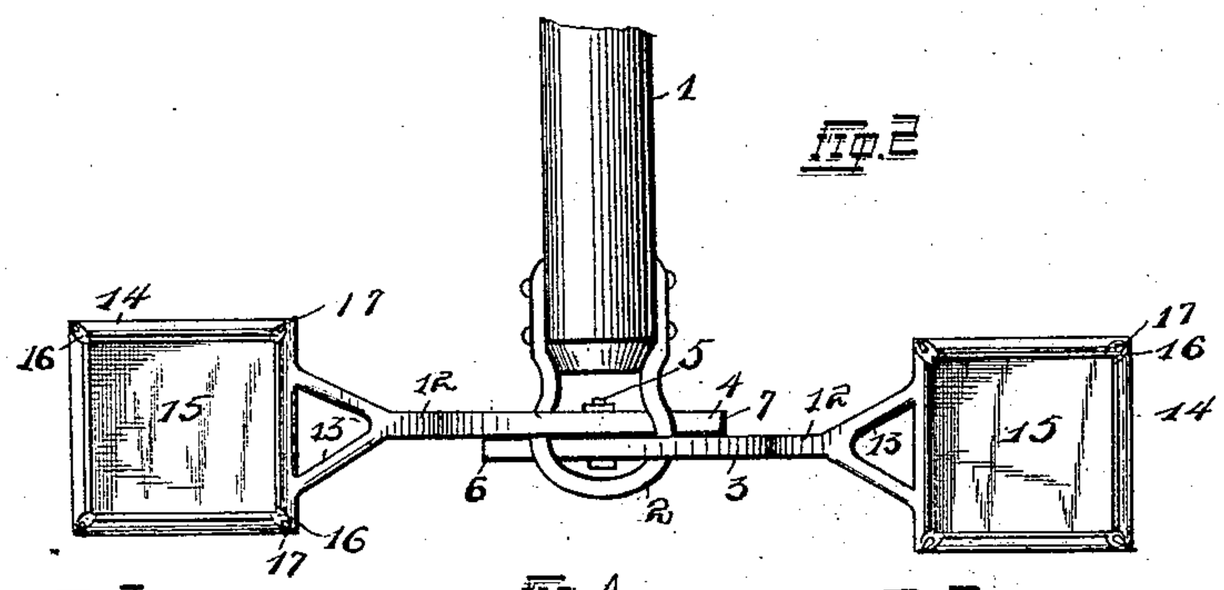


Fig. 3

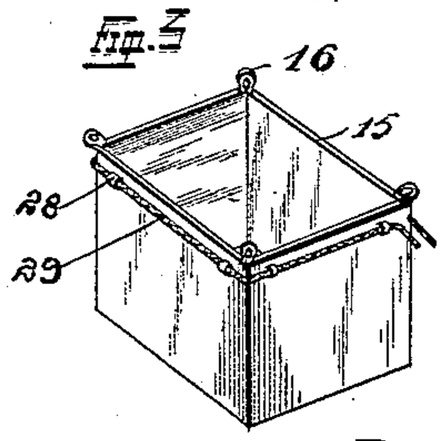


Fig. 4

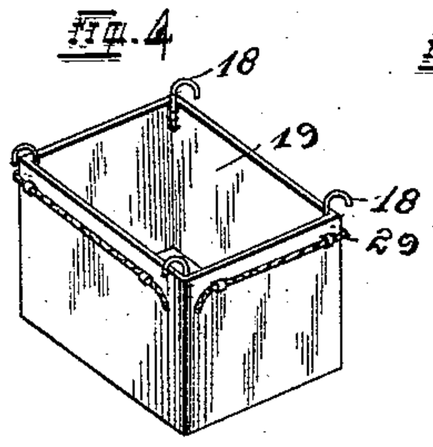


Fig. 5

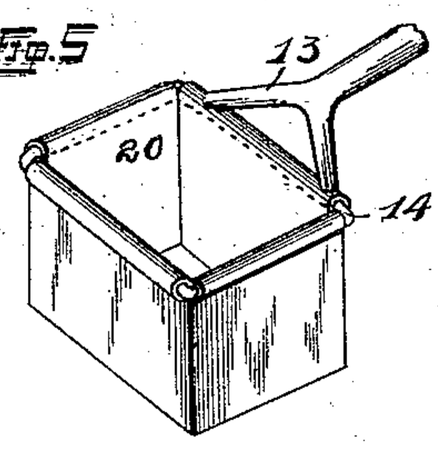


Fig. 6

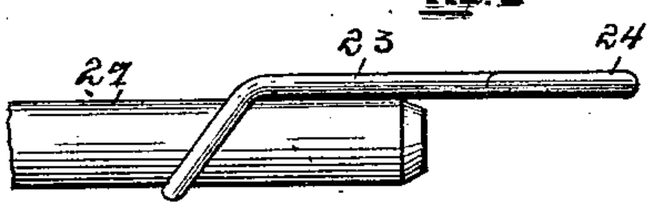


Fig. 7

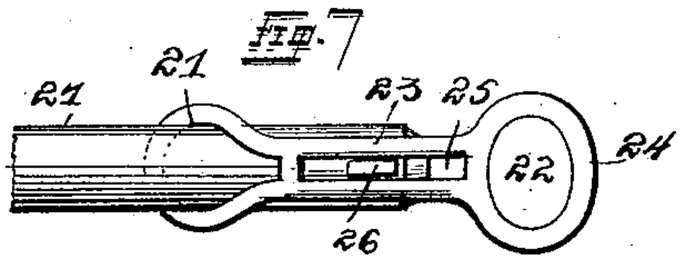


Fig. 8

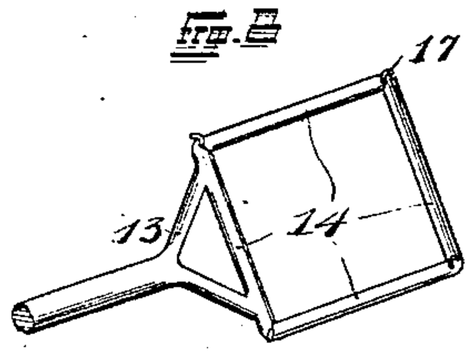


Fig. 9

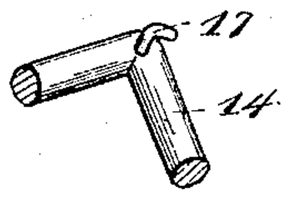
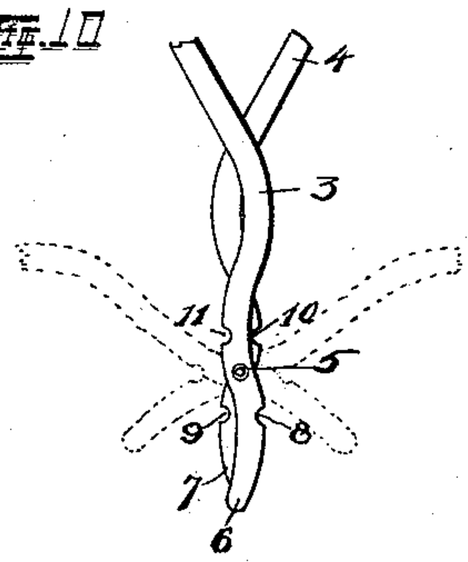


Fig. 10



Witnesses
Alfred A. Eicks
Herbert H. Robinson

Inventor
Denis N. Stock,
By his Attorneys Higdon & Higdon & Longan

UNITED STATES PATENT OFFICE.

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

FEED-BAG.

SPECIFICATION forming part of Letters Patent No. 495,278, dated April 11, 1893.

Application filed December 5, 1892. Serial No. 454,124. (No model.)

To all whom it may concern:

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

My invention relates to "feed bags" and consists in the improved combination, construction and novel arrangement of parts, as will be more fully hereinafter described and set forth in the claims.

The object of my invention is to provide an improved portable attachment for supporting feed bags, which when not in use may be folded into compact form and stored in a small space within the vehicle and which when in use may be instantly attached in the ring upon the end of the tongue in which the hold back straps of the harness are secured.

In the drawings:—Figure 1 is an end view of my complete device when in position. Fig. 2 is a top plan view of same with a part of the wagon tongue broken away. Fig. 3 is a perspective view of a removable feed bag showing a means for securing the same to the supporting frame and showing a rope for tying the upper ends of the bag to hold the feed. Fig. 4 is a perspective view showing a modified means of securing the bag to the support. Fig. 5 is a perspective view of a feed bag fixedly secured to the support. Fig. 6 is a side view of a part of the tongue showing in detail a removable device providing a ring in which the supports are temporarily secured and adapted for use with vehicles having no ring secured to the tongue. Fig. 7 is a top plan view of the device shown in Fig. 6. Fig. 8 is a perspective view of the bag support. Fig. 9 is a perspective view of one of the corners of the bag supporting frame showing the means for temporarily holding the bag. Fig. 10 is a detail view of the supporting arms when folded together for storage, and showing in dotted lines their position when in use.

Referring to the drawings:—1 indicates the pole or tongue of an ordinary wagon provided upon the ends with a ring 2 as is usual in such construction. The supporting arms 3 and 4 are curvilinear throughout their length. In describing these arms reference will be had particularly to the form shown in Fig. 10. When folded together as therein shown, it will be seen that the two arms are held together by a bolt or rivet 5 at points adjacent the free ends 6 and 7, said arms being provided both above and below said bolt 5 and in their outer sides, with aligned semi-circular depressions 8, 9, 10 and 11 which are adapted to engage over the inner sides of the ring 2 when the supports are in use. When the arms are in position as shown in Fig. 1, it will be seen that they have projecting horizontal portions 12 connected to forks 13. The forks 13 are secured to rectangular frames 14 which form supports for the feed bags 15. The feed bags 15 are provided upon each of their upper corners with projecting eye-flaps 16 which are adapted to engage over hooks 17 projecting upwardly and outwardly upon each of the four corners of the rectangular frames 14, and which temporarily holds said bags 15 in securance.

In Fig. 4 I show a modification of the feed bags shown in Figs. 1, 2 and 3, the change involving the application of four hooked like projections 18 upon the four corners of the bag 19 and adapted to engage over the rectangular frame 14.

In Fig. 5 is shown still another modification, wherein the bag 20 is sewed upon the frame 14, the stitches being shown by dotted lines in said Fig. 5.

In Fig. 6 is shown a device which is for use only in cases where the wagon pole is not provided with a ring such as 2. It consists of a continuous piece of metal substantially in the form of a link and provided at both ends with delineated circular openings 21 and 22, the opening 21 and that portion of the device which outlines said opening 21, is bent downwardly at an angle with the central portion 23 and the ring 24 outlining the opening 22. When the ring 22 is in a position as shown in Figs. 6 and 7, the remaining portion of the device is horizontal, or in alignment with the wagon pole. An elongated opening 25 in the central portion 23 is adapted to fit over an upwardly projecting lug 26 upon the upper side of the pole 27 to prevent any movement of the device. The arms 3 and 4 can readily be placed in the opening 22 and this device therefore serves in the place of the ring 2

which is generally secured to the wagon pole at the time of its manufacture.

The bags shown in Figs. 1, 2, 3 and 4 are provided with ropes or cords 29 held in staples 28 and encompassing the bag near the top of same, and which are provided for the purpose of tying the upper ends of the bags, when disengaged from the frames 14 and filled with feed.

To insert the arms 3 and 4 into the ring 2, the arms must be folded together in the position as shown in Fig. 10 and then placed in said ring 2 and unfolded, assuming the position shown in dotted lines in the same figure. When in this position the semi-circular openings engage over and under the periphery of said ring 2 and prevent the slipping of the arms in any direction. When in position, the arms 12 and forks 13 with the frames 14 suspending the bags 15, are in a horizontal position with said bags 15 located directly in front of and below the horses' heads.

The extreme simpleness of the operation of my device and its applicability for quick handling and ready storage, combine to form its principal feature.

Having fully described my invention, what I claim is—

1. An improved feed-bag support comprising two folding arms pivoted together near their inner ends, said ends engaging and locking within a ring or eye carried by the wagon-pole when the arms are opened or extended, the opposite ends being provided with frames for supporting the feed-bags; substantially as set forth.

2. An improved feed bag support comprising two folding arms riveted adjacent one end and provided in their outer sides with depressions adapted to engage over the pole ring, to hold said arms in a fixed position supporting the two feed bags, substantially as set forth.

3. An improved feed bag support having a removable device adapted to be placed upon the pole and adapted to provide a ring in which the folding arms when unfolded may be secured, said device comprising a slanting portion adapted to engage over the periphery of the pole, a central slot in said device adapted to engage a lug upon the pole to prevent the turning of same, and the free end of said device providing an opening into which said arms may normally be held, when unfolded, substantially as set forth.

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

DENIS. N. STOCK.

Witnesses:
ED. E. LONGAN,
HERBERT S. ROBINSON.