

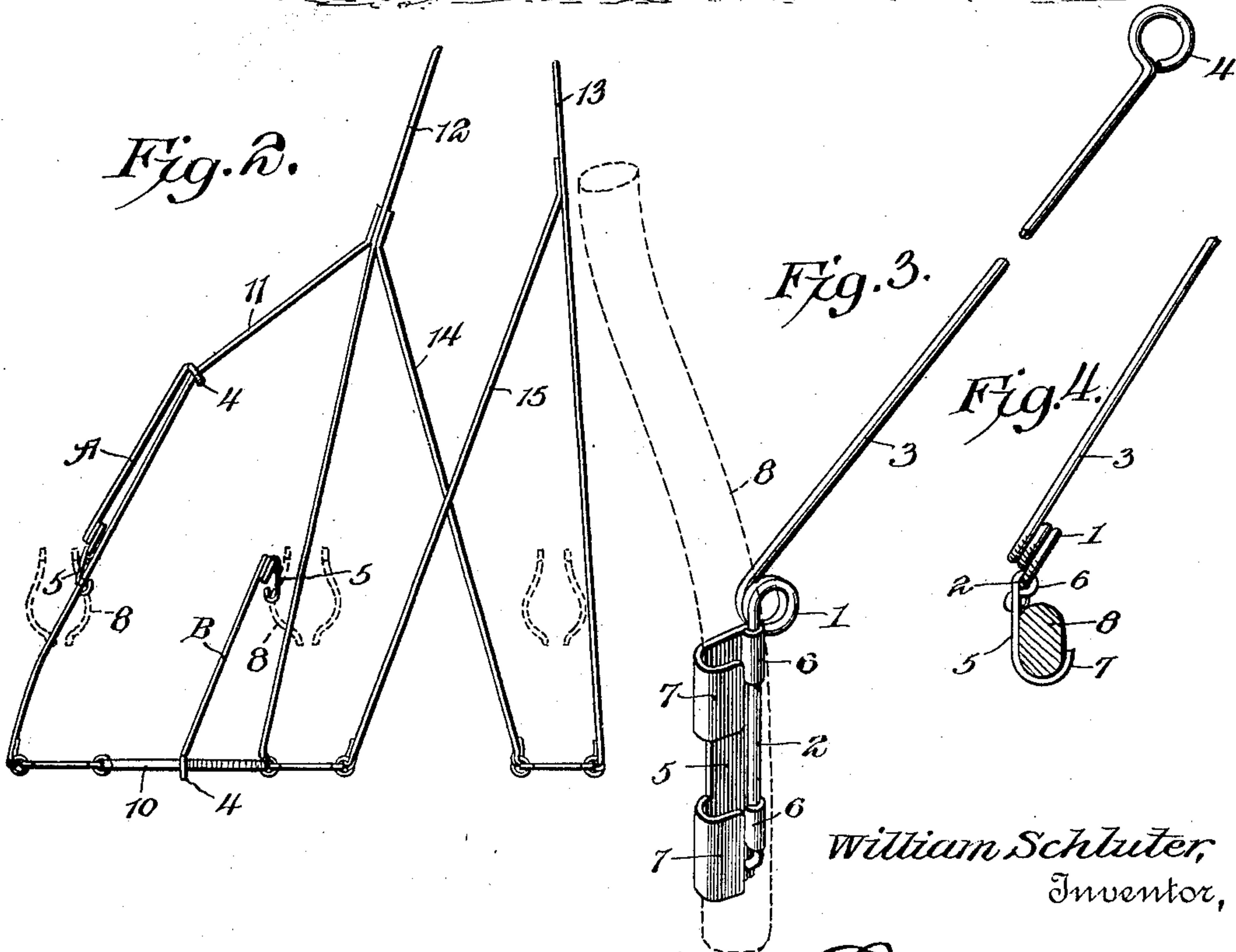
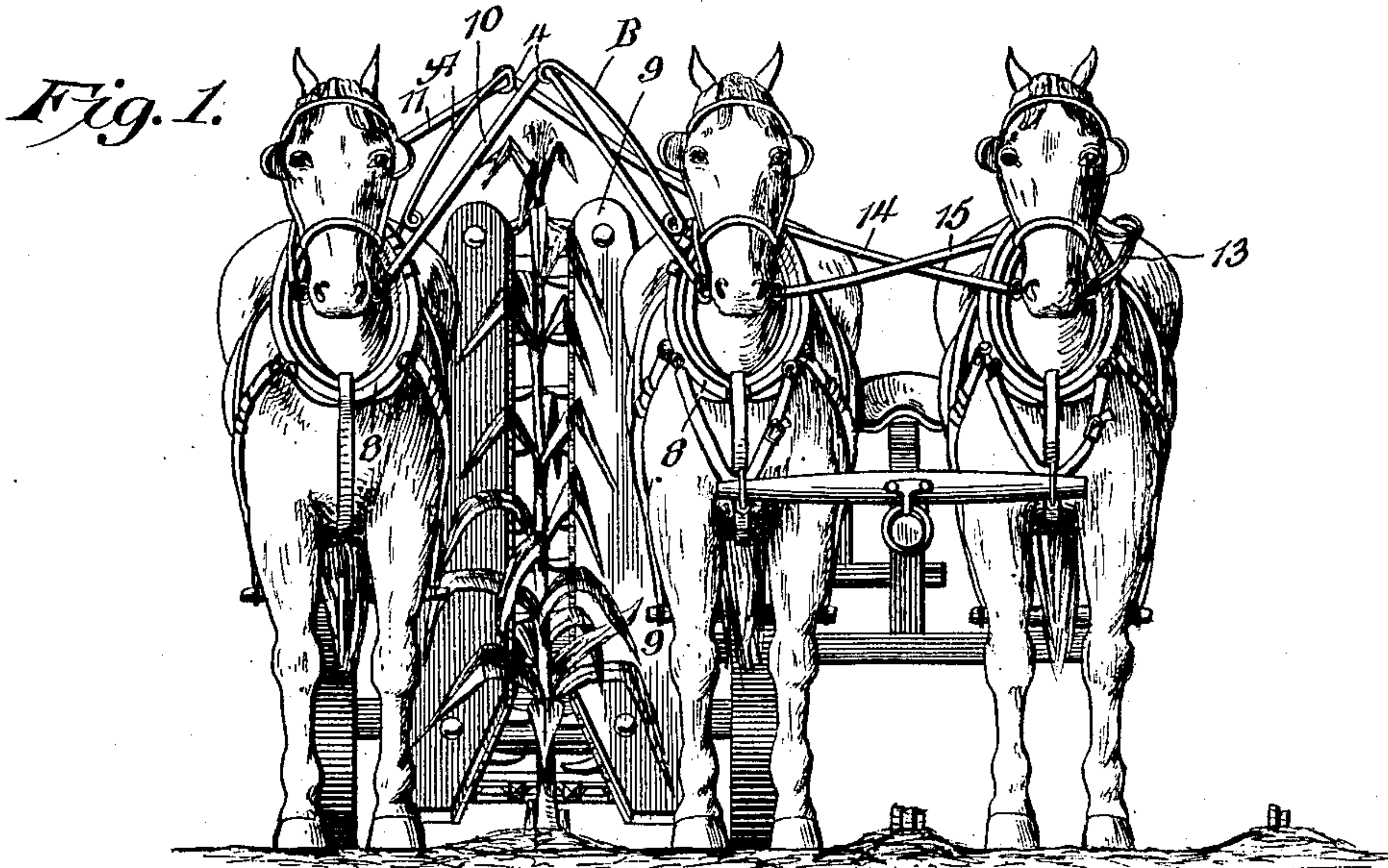
No. 763,570.

PATENTED JUNE 28, 1904.

W. SCHLUTER.
REIN SUPPORT.

APPLICATION FILED AUG. 16, 1902.

NO MODEL.



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REIN-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 763,570, dated June 28, 1904.

Application filed August 16, 1902. Serial No. 119,928. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM SCHLUTER, a citizen of the United States, residing at Wellsburg, in the county of Grundy and State of Iowa, have invented a new and useful Rein-Support, of which the following is a specification.

This invention relates to rein-supports, and is particularly designed to provide an improved device of this character for use in connection with corn-harvesting machines having a three-horse draft-equalizing device, so as to support the reins above the tops of the corn. It is furthermore designed to arrange for mounting the device upon the hame of one of the horses and also to arrange the devices in pairs to be carried by adjacent horses, so as to elevate the reins out of possible contact with the corn without interfering with the free and unrestricted use of the reins.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a front elevation of a corn-harvesting machine with three horses connected thereto and showing a pair of the improved rein-supports mounted in position for use. Fig. 2 is a diagrammatic view showing the relation between the reins and the rein-supports. Fig. 3 is a detail perspective view of one of the rein-supports. Fig. 4 is a detail section taken through a hame to show the manner of connecting the support thereto.

Like characters of reference designate corresponding parts in all of the figures of the drawings.

The present invention embodies two substantially duplicate members, one of which is to be carried by one of the horses and the

other by the next adjacent horse, the only difference in the members residing in the fact that one of them is slightly inclined forwardly and the other inclined rearwardly, so that they may receive the respective lines without interfering one with the other.

Referring at first more particularly to Fig. 3, it will be seen that each rein-support is formed of a single length of stiff resilient wire, which is twisted intermediate of its ends to form a spring-coil 1, a comparatively short upstanding rigid member 2, pendent from the coil, and a comparatively long arm or member 3, which is set at an angle to the part 2 and terminates at its outer end in a loop or eye 4 for the reception of a rein. The arm 2 carries a metallic attaching member or plate 5, which is provided at one edge with terminal sleeves or eyes 6, which are bent therefrom and snugly receive the arm 2, which may be soldered or otherwise rigidly secured to the sleeves. The outer edge of the plate is bent into substantially U-shaped hooks or spring-clips 7, which are designed to embrace a hame member 8, as clearly indicated in both Figs. 3 and 4.

As hereinbefore stated, the present invention is particularly designed for use in connection with corn-harvesting machines, a portion of which has been indicated at 9 in Fig. 1 with three draft-animals connected thereto and arranged to have the right and intermediate animals pass at opposite sides of the row of corn upon which the machine is acting. As clearly indicated in both Figs. 1 and 2, one of the supports (designated by the letter A) is carried by the left hame of the right-hand horse and is inclined rearwardly therefrom and toward the middle horse, with the eye 4 disposed substantially midway between the horses and at such an elevation as to clear the tops of the corn. The other rein-support, B, is carried by the right-hand hame of the middle horse and inclines upwardly and forwardly, so as to have its eye disposed above the tops of the corn and in substantially transverse alinement with the bits of the right-hand and middle animals. The eye of the support B

loosely receives the intermediate portion of the line 10, which is connected with the bits of the right-hand and intermediate animals, while the eye of the support A loosely receives the intermediate portion of the line 11, which extends from the right-hand end of the bit of the right-hand animal to the right-hand line 12, the latter also being connected to the right-hand end of the bit of the middle animal, whereby the two lines which cross the interval between the right-hand and intermediate animals are effectively carried over the tops of the standing corn in a very simple and convenient manner without interfering with the free manipulation of the reins. The rein 13 from the left-hand end of the bit of the left-hand horse leads rearwardly to the driver, and the cross-lines 14 and 15 are arranged in the usual manner, wherefore it will be seen that there is no change whatsoever in the arrangement of the lines; but the supports are disposed so as to receive and elevate those portions of the lines which cross the interval between the right-hand and middle animals and would otherwise be interfered with by the standing corn.

What I claim is—

1. The combination of a pair of bits, reins connected to opposite ends of one of the bits, a line connecting the adjacent inner ends of the bits, a line from the outer end of the other bit to the adjacent rein, horse-collars in rear of the bits, a rein-support rising from one of the collars and having a guide provided upon its upper end and receiving the line extending from said other bit to said adjacent rein, and another rein-support rising from the other collar and having its upper end provided with a guide receiving the line which connects the two bits.

2. The combination of a pair of bits, reins connected to opposite ends of one of the bits, a line connecting the adjacent inner ends of the bits, a line from the outer end of the other bit to the adjacent rein, horse-collars in rear of the bits, a rein-support rising from one of the collars and embodying angularly-related arms connected by a spring-coil, the upper arm being inclined upwardly and rearwardly and also transversely toward the other collar, and provided at its upper end with an eye loosely receiving the line from the outer end of said other bit to the adjacent rein, and another rein-support rising from the other collar and embodying angularly-related arms connected by a spring-coil, the upper arm being inclined upwardly and forwardly and transversely toward the first-mentioned collar with its upper end provided with an eye loosely receiving the line which connects the inner ends of the bits.

3. A rein-support, embodying an upstanding arm having a clip for connection with a

horse-collar, and an inclined arm rising from the top of the upright arm and terminating at its upper end in a line-receiving eye.

4. A rein-support, embodying a pair of angularly-related upright arms and a connecting spring-coil, the upper end of the upper arm terminating in a line-receiving eye, and the lower arm having means for connection with a horse-collar.

5. A rein-support, embodying angularly-related upper and lower upright members, of which the upper member terminates at its upper end in a line-receiving eye, and an upright attaching-plate having one edge secured to the lower arm and provided at its outer edge with a substantially horizontal hook or clip for engagement with a hame.

6. A rein-support embodying a pair of angularly-related upper and lower arms and a connecting spring-coil, the upper arm terminating at its upper end in a line-receiving eye, and an upright attaching-plate having one edge secured to the other arm and provided at its outer edge with a hook-shaped clamp or clip disposed approximately horizontal to embrace a hame.

7. The combination with a horse-collar having hames, of an upright rein-support having its upper end provided with a line-receiving eye and its lower portion having a substantially horizontal hook embracing one of the hames and held snugly between the latter and the collar whereby the rein-support is held in proper position.

8. A device of the class described, comprising a plurality of upwardly-extending independently-mounted resilient rein-supporting arms provided with rein-receiving eyes, and having clips for engaging hames, substantially as described.

9. A device of the class described, comprising a pair of upwardly-converging independently-mounted rein-supporting arms provided at their tops with rein-receiving eyes and arranged to clear a row of corn and support the reins out of contact therewith, substantially as described.

10. A device of the class described, comprising a pair of upwardly-converging independently-mounted resilient arms provided at the bottom with means for securing them to the hames, and having rein-receiving eyes at their tops and arranged to clear a row of corn and hold the reins out of contact therewith, substantially as described.

11. A device of the class described comprising a pair of upwardly-converging rein-receiving arms arranged to clear a row of corn, and provided at their tops with eyes for the reins and adapted to support the same out of contact with the corn, said arms being provided at their bottoms with spring-coils, substantially as described.

12. In a device of the class described, an upwardly-extending rein-supporting arm provided at its base with a spring-coil, and having a rein-receiving eye at its top, whereby it
5 is adapted to support a rein out of contact with growing corn, substantially as described.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM SCHLUTER.

Witnesses:

ABE VOOGD,

JOHN A. DREYER.