

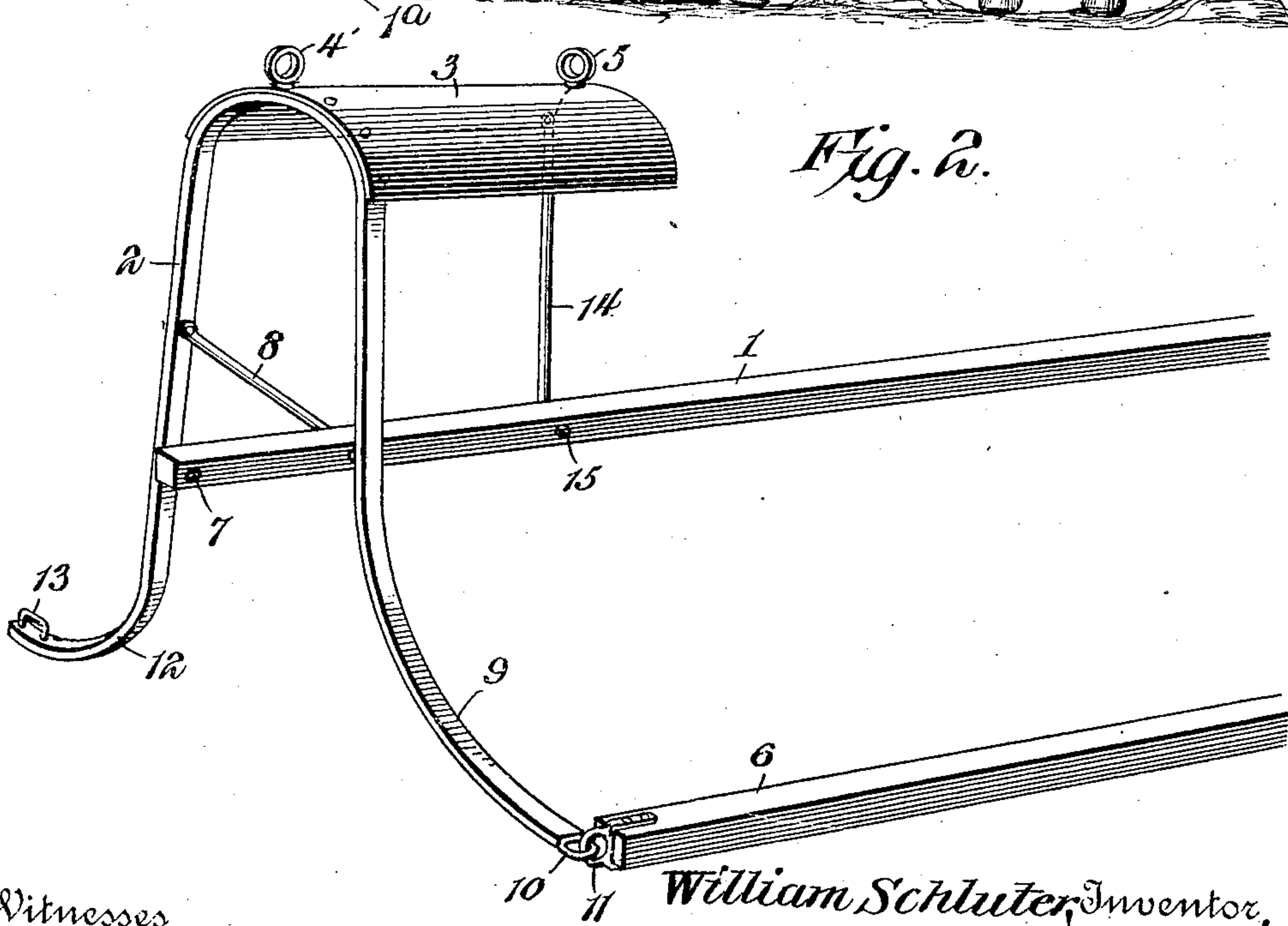
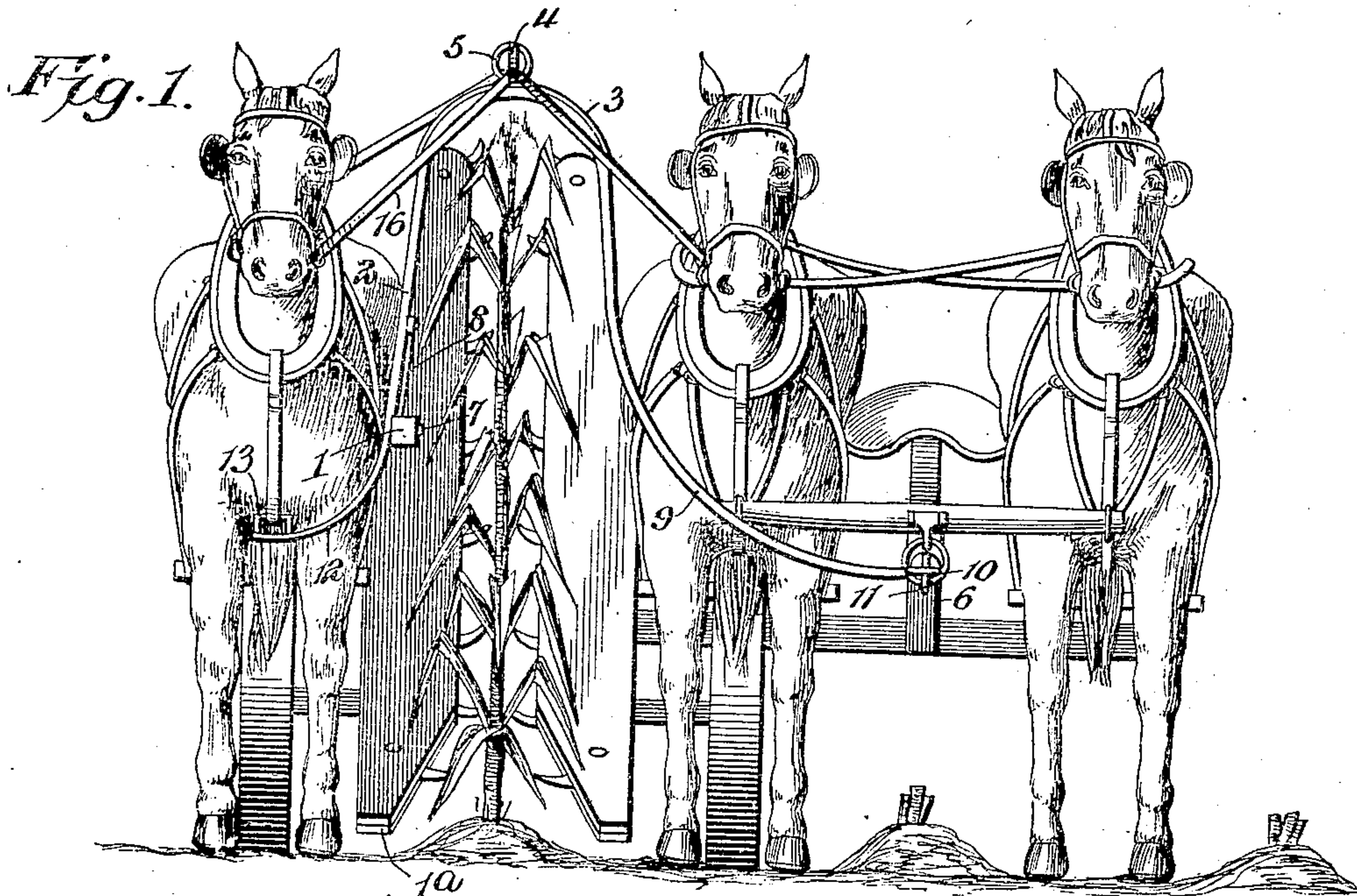
No. 832,085.

PATENTED OCT. 2, 1906.

W. SCHLUTER.

REIN SUPPORT.

APPLICATION FILED SEPT. 27, 1905.



Witnesses

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WILLIAM SCHLUTER, OF NEW HARTFORD, IOWA.

REIN-SUPPORT.

No. 832,085.

Specification of Letters Patent.

Patented Oct. 2, 1906.

Application filed September 27, 1905. Serial No. 280,331.

To all whom it may concern:

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

The invention relates to improvements in rein-supports.

The object of the present invention is to improve the construction of rein-supports and to provide a simple and comparatively inexpensive device designed particularly for use on corn-harvesting and other machines employing three horses and adapted to support the lines crossing the space between the intermediate and right-hand horses and to prevent the corn, whether tall or short, from interfering with the driving of the horses.

A further object of the invention is to provide a rein-support which will enable the right-hand horse, which walks between the rows of corn, to assist in controlling the machine, both in pulling and backing.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in the form, proportion, size, and minor details of construction within the scope of the claims may be resorted to 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 having three horses connected to it and provided with a rein-support constructed in accordance with this invention. Fig. 2 is a detail perspective view of the rein-support.

Like numerals of reference designate corresponding parts in both figures of the drawings.

The rein-support, which is designed particularly for use in connection with a corn-harvesting or other machine, is mounted on a supplemental or auxiliary pole or tongue 1 and comprises a bowed neck-yoke 2 and a shield 3, which is provided with guides 4 and 5. The auxiliary pole or tongue is arranged at one side of and is spaced from the ordinary pole or tongue 6, and it is located at the inner side of the right-hand horse, as clearly illus-

trated in Fig. 1 of the drawings. The inner or rear end of the supplemental or auxiliary pole is connected with the outer guard 1^a of the harvesting-machine in any suitable manner in the position illustrated in Fig. 1 of the drawings. The bowed neck-yoke 2, which may be either vertical or inclined, as hereinafter more fully explained, performs the function of a neck-yoke besides serving as a rein-support, and it consists of an inverted-U-shaped bar forming an arch which is arranged above the row of corn operated on by the machine. The outer or right-hand side of the arch is secured by a bolt or other suitable fastening device 7 to the front end of the auxiliary tongue or pole, and it is supported or stiffened by an inclined brace 8, consisting of a rod extending forwardly and upwardly from the auxiliary pole or tongue at a point in rear of the front end thereof to the bowed neck-yoke and is secured to the latter at a point above the front end of the said auxiliary pole or tongue. The rear or lower end of the brace is bolted or otherwise secured to the outer face of the auxiliary tongue or pole, and the upper end of the brace is secured to the inner face of the outer side of the bowed neck-yoke. The inner side of the bowed neck-yoke is provided with a curved extension 9, which is arranged at an inclination and which extends across the machine to the front end of the main pole or tongue 6. The extension 9 is provided with a terminal eye 10, which is linked into the eye or ring 11 of the front end of the tongue or pole 6; but the inner side of the bowed neck-yoke may be connected with the said tongue or pole 6 in any other desired manner. The outer side of the bowed neck-yoke is also provided with a curved extension 12, disposed transversely of the machine and provided with a terminal loop 13, which is connected with the harness of the right-hand or third horse at the breast thereof, as clearly shown in Fig. 1 of the drawings. By providing the additional tongue or pole and the bowed neck-yoke the right-hand animal, which travels between the rows of corn, assists in controlling a harvesting or other machine both in pulling and backing.

The shield 3, which is curved transversely of the machine, presents a lower concave face and an upper convex face and arches the rows of corn operated on by the machine. It is secured at its front end to the top of the

bowed neck-yoke by any suitable means, and it extends rearwardly therefrom, being supported at its rear end by a rod 14. The rod 14 is secured at its lower end by means of a bolt 15 or other suitable fastening device to the auxiliary pole or tongue at the outer side thereof and having its upper end suitably secured to the shield at the outer side thereof.

The front and rear guides 4 and 5, which preferably consist of rings, may be constructed in any preferred manner, and they are adapted to receive the lines, which cross the space between the intermediate horse and the right-hand horse, and they do not interfere with the usual arrangement of such lines. The front guide receives the line 16, which connects the left-hand or inner end of the bit of the right-hand horse with the bit of the intermediate horse, and the rear guide supports the line which is connected with the right-hand end of the bit of the right-hand horse and with the line which is connected with the right-hand end of the bit of the intermediate horse. The lines may be arranged in any other preferred manner, as will be readily understood, and the guides will support them above the row of corn operated on by the machine, and the shield will prevent the corn, whether tall or short, from interfering with the driving of the horses. The front guide 4 is designed to be located sufficiently in rear of the head of the third horse. The front guide 4 is designed to be arranged in proper position to receive the line 16, and for this purpose the bowed neck-yoke may be extended upwardly and rearwardly at a slight inclination. In applying the rein-support to the supplemental or auxiliary pole the bolt 7 will act as a pivot in adjusting the device, and after the same has been properly adjusted the braces 8 and 14 will firmly hold the rein-support in its adjustment.

It will be seen that the rein-support not only guides the rein and holds the same out of contact with the corn, but it also enables the right-hand horse, which travels between the rows of corn, to assist in controlling the machine.

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

1. A rein-support having guiding means for the reins, and provided with a neck-yoke arranged to extend over and clear a row of corn and adapted to be connected with the right-hand horse of a three-horse machine.

2. A rein-support having guiding means and provided with a neck-yoke arranged to be connected with the right-hand animal of a three-horse machine, said neck-yoke being provided with an arch arranged to extend over the row of corn operated on by the machine.

3. A rein-support, comprising a neck-yoke having an arched portion arranged to extend over the row of corn operated on by a machine, a shield arranged at the top of the said arched portion, and guiding means carried by the shield.

4. A rein-support, comprising a shield arranged to extend over the row of corn operated on by a machine, guiding means for the reins carried by the shield, and means for supporting the shield.

5. A rein-support, comprising an arched shield having rein-guides, and means for supporting the shield over the space between two of the horses of a machine.

6. In a rein-support, the combination of a neck-yoke consisting of an arch provided at opposite sides with extensions, one of the extensions being adapted to be connected with the tongue of a machine, and the other with the third horse, a shield mounted on the neck-yoke, and guiding means carried by the shield.

7. In a rein-support, the combination with a main tongue, and an auxiliary tongue, of a neck-yoke provided with an arch connected at the sides with the said tongues, and guiding means arranged at the top of the arch.

8. In a rein-support, the combination with an auxiliary tongue, of a neck-yoke having an arch secured at one side to the auxiliary tongue and having terminal extensions designed to be connected with a main tongue and with the third horse of a machine, a shield mounted on and extending rearward from the arch, and guides carried by the shield.

9. In a rein-support, the combination with an auxiliary tongue, of a neck-yoke having an arch secured at one side to the auxiliary tongue and having terminal extensions designed to be connected with the main tongue and with the third horse of a machine, a shield having its front end supported by the arch, a rear support mounted on the auxiliary tongue and connected with the shield, and guiding means carried by the shield.

10. In a rein-support, the combination with a main tongue, and an auxiliary tongue, of a neck-yoke consisting of an arch secured at its outer side to the auxiliary tongue and provided with curved extensions having means for securing them to the main tongue and to the third horse of a machine, a shield supported by the arch, and front and rear rein-guides carried by the shield.

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:

WILLIAM T. EVANS,
CATHERINE DE VRIES.