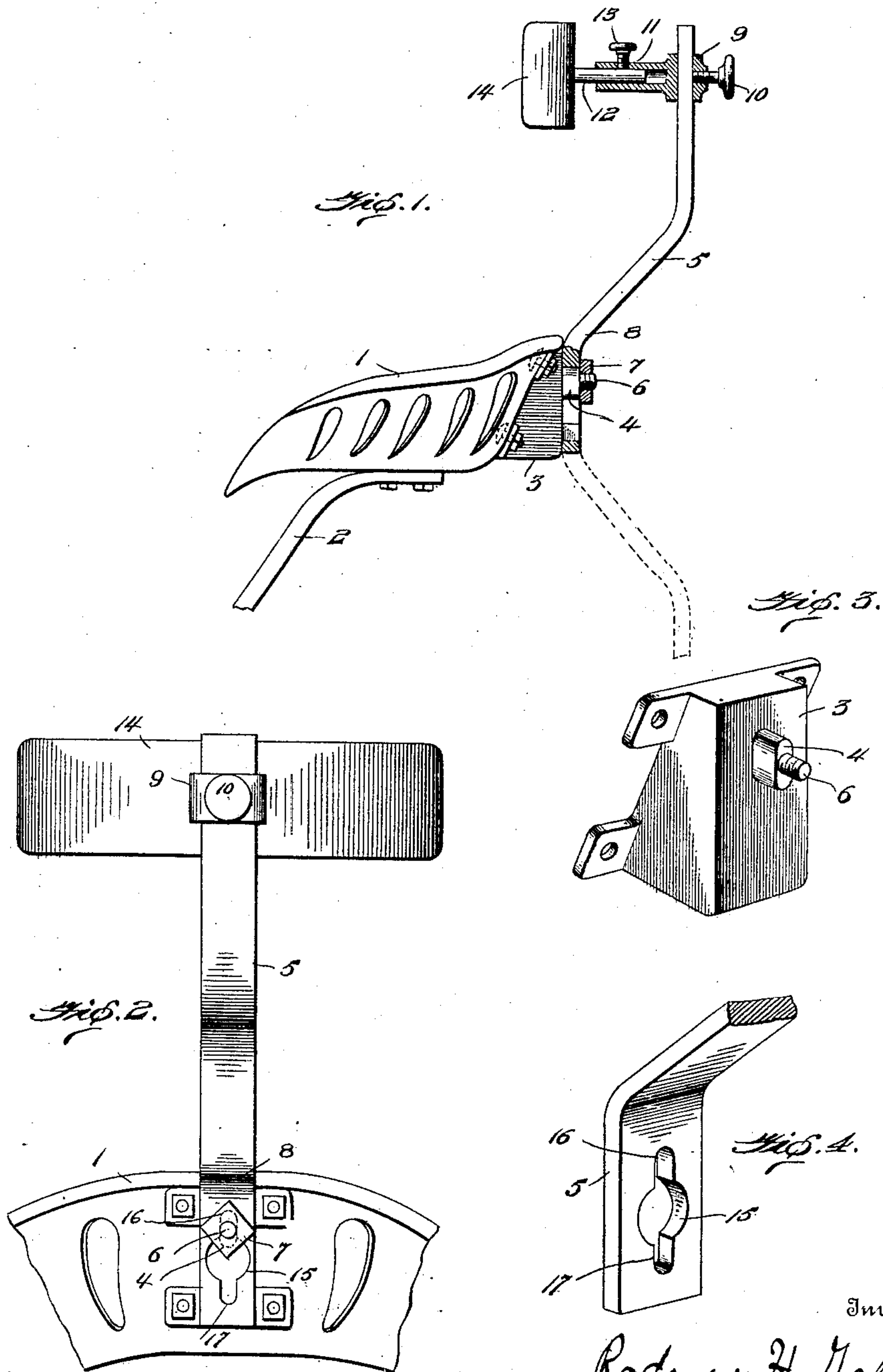


No. 839,976.

PATENTED JAN. 1, 1907.

R. H. YALE.
SEAT BACK FOR DRIVERS' SEATS.
APPLICATION FILED AUG. 30, 1906.



Witnesses
M. A. L. Smith

By

Inventor
Rodney H. Yale
Frank A. Spricer,
Attorney

UNITED STATES PATENT OFFICE.

RODNEY H. YALE, OF BEATRICE, NEBRASKA.

SEAT-BACK FOR DRIVERS' SEATS.

No. 839,976.

Specification of Letters Patent.

Patented Jan. 1, 1907.

Application filed August 30, 1906. Serial No. 332,639.

To all whom it may concern:

Be it known that I, RODNEY H. YALE, a citizen of the United States, residing at Beatrice, in the county of Gage and State of Nebraska, have invented certain new and useful Improvements in Seat-Backs for Drivers' Seats, of which the following is a specification.

My invention relates to improvements in seat-backs for drivers' seats in wheeled agricultural implements or other vehicles, and has for its object to provide a suitable back for the seat which shall be simple and durable in construction and capable of instantaneous adjustment in normal or working position and also of being with equal facility displaced and carried out of the operator's way, so as not to obstruct his movements in mounting the seat or dismounting from it, it being well known that such seats are usually mounted from and dismounted toward the side or rear and not by the front of the seat.

In the accompanying drawings, Figure 1 is a side elevation, partly in vertical section, of my device attached to the seat of an agricultural implement. Fig. 2 is a rear elevation of the seat and seat-back, showing the connection of the standard with the bearing-block on the rear of the seat. Fig. 3 is a perspective view of the preferred form of bearing-block detached. Fig. 4 is a perspective view of the lower end of the standard detached.

1 designates the operator's seat, usually made of pressed steel, in an agricultural implement, mounted on a supporting-arm 2, extending upwardly from the body of the machine. To the rear of the seat is secured by bolts or otherwise a bearing-block 3, which consists of a casting provided with a rearwardly-projecting pin or lug 4, the same having, preferably, its vertical sides somewhat flattened, its upper and lower edges being rounded or squared, as preferred, said pin being adapted to receive and support the standard 5 and having also a cylindrical threaded portion 6, adapted to receive a nut 7 to hold the standard on lug 4.

The upper portion of the standard has, preferably, a rearward bend at 8 and carries near its upper end a movable collar 9, which is adjustable at any desired height on the standard 5 by means of the set-screw 10. Said collar 9 carries a socket-piece 11, in which a pin 12 is adapted to move back and forth, said pin being adjustable in the socket

by means of the set-screw 13 and carrying at its outer end a pad 14, which forms the back of the seat and may be of any preferred shape or construction. The lower end of standard 5 is provided with an opening or slot of irregular form, having an enlarged and preferably central portion 15 of sufficient size to fit over the lug 4 and permit the standard 5 to rotate thereon when desired and with narrower portions 16 and 17 above and below said portion 15, adapted to fit closely upon the lug 4 in such a manner as to prevent the standard from rotating laterally and to hold it rigidly in vertical position either in its normal vertical position above the seat, as shown in Fig. 1, or in its pendent vertical position below the seat, as may be readily understood.

The operation of the device is obvious from the foregoing description. For example, if the operator desires to shift the seat-back from its normal upright position to the pendent position he lifts the standard 5 slightly, so as to disengage lug 4 from slot 16 and bring it into the central opening 15. He then rotates the standard upon lug 4 as a pivot, and when the standard again reaches a vertical position the reverse of its normal position it will be lowered slightly, and the lower slot 17 will engage lug 4, fitting the same closely, and the seat-back will be held pendent and rigid below the seat until it is again lifted by the operator and the movement reversed.

An important advantage of the construction described is that the shifting of the seat-back from one of its positions to the other can be effected instantaneously and by the employment of only one hand of the operator and that the use of spring-detents or other special means for holding the standard in vertical position can be dispensed with.

It is obvious that various modifications of my device may be made without departing from the general principle of the invention. For example, by a slight change the pin or lug 4 may be made to extend crosswise of the bearing-block 3, so that the standard 5 will rotate to the rear instead of laterally. Also the forms of the opening 15 and the slot or slots 16 and 17 in the standard, and correspondingly the form of the pin or lug, may be modified, provided only that the pin and slot are adapted to engage each other in such a manner as to hold the standard in either its operative or inoperative position, and also to permit by

proper manipulation the rotation of the standard from one of said positions to the other.

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

1. A seat-back for drivers' seats comprising a bearing on the rear of the seat, a lug or pin on said bearing, a standard mounted on said lug, and a back-pad on the upper portion of said standard, the lower portion of said standard having an opening to receive said lug, said opening having an enlarged portion permitting the standard to rotate when the lug is central therein, and said opening and lug having corresponding projections and recesses, which engage each other when the standard is in vertical position, either above or below the seat, and hold it rigidly in such position.

2. A seat-back for drivers' seats comprising a bearing on the seat, a lug or pin carried by said bearing, a standard mounted on said lug or pin, and a back-pad on the upper portion of said standard, the lower portion of said standard being provided with an opening or slot, which engages said lug or pin, said opening having an enlarged portion permitting the standard, when the lug is within such portion, to rotate on the lug as a pivot, and a narrower portion or portions adapted to engage the lug rigidly and hold the standard in substantially vertical position.

3. A seat-back for drivers' seats comprising a bearing-block on the rear of the seat, a lug or pin carried by said block and having flattened sides, a standard mounted on said lug or pin, a back-pad on the upper portion of said standard, the lower portion of said standard having an opening or slot to engage said lug or pin, said opening having an enlarged portion permitting the standard to rotate on the lug, and a narrower portion adapted to engage the lug rigidly and hold the standard in vertical position, and means for securing the standard on the lug.

4. A seat-back for drivers' seats comprising a bearing on the seat, a lug on said bearing, a standard mounted on said lug, and a back-pad on the upper part of said standard, the lower portion of said standard having an opening to engage said lug, said opening having an enlarged portion permitting the standard to rotate on the lug, and narrower portions leading out of such enlarged portion, adapted to engage the edges of the lug, to hold the standard in vertical position, either above or below the seat.

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

RODNEY H. YALE.

Witnesses:

F. D. OWEN,
W. T. STOCKTON.