G. MARSHALL.

SEAT CONSTRUCTION FOR FARMING MACHINES.

APPLICATION FILED NOV. 26, 1920.

1,375,225. Patented Apr. 19, 1921.

FIG. 1.

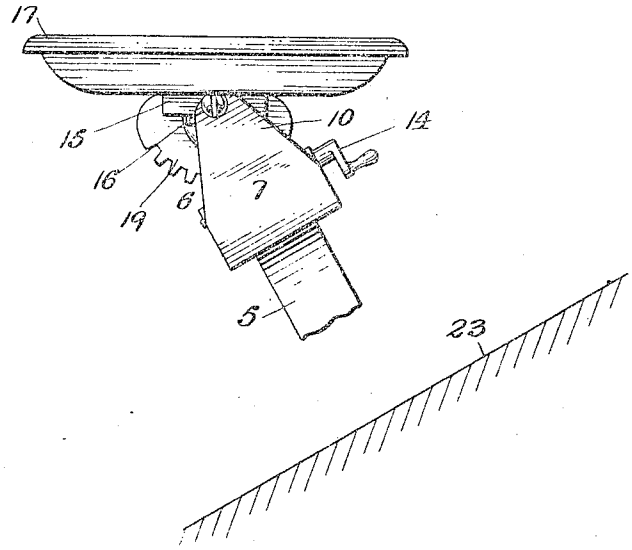


FIG. 2.

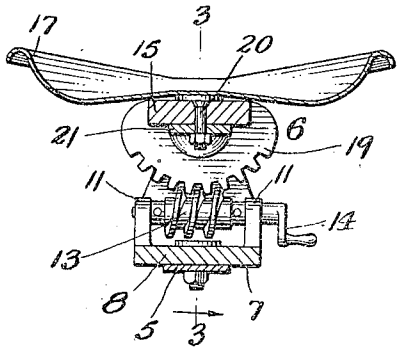


FIG. 3.

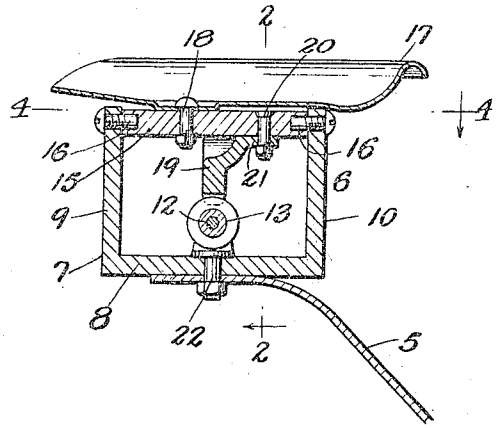
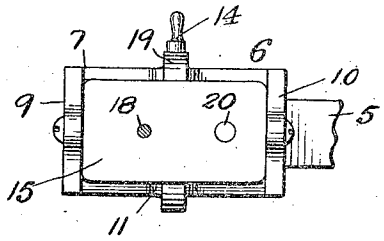


FIG. 4.



Inventor
Guy Marshall,
By his Attorneys
Edgar Tate & Co.

UNITED STATES PATENT OFFICE.

GUY MARSHALL, OF CALGARY, ALBERTA, CANADA.

SEAT CONSTRUCTION FOR FARMING-MACHINES.

1,375,225. Specification of Letters Patent. Patented Apr. 19, 1921.

Application filed November 26, 1920. Serial No. 426,384.

To all whom it may concern:

Be it known that I, GUY MARSHALL, a citizen of the United States, and residing at Calgary, Alberta, Canada, have invented certain new and useful Improvements in Seat Constructions for Farming-Machines, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to farming machines such as binders, mowers and the like and particularly to the seat construction of such machines which are adapted for use in hilly countries and where the farming is done along a hillside and not up and down such hillside, and the object of this invention is to provide an improved seat construction for machines of the class specified which may be moved into a horizontal position regardless of the position of the machine upon a hillside, whereby the operator of the machine may assume a comfortable position in controlling and operating the machine; and with this and other objects in view the invention consists in a seat construction of the class and for the purpose specified which is simple in construction and operation and efficient in use, and which is constructed and operated as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:—

Figure 1 is an end view of my improved seat construction and illustrating the method of its use;

Fig. 2 a transverse sectional view of the construction shown in Fig. 1, the section being on the line 2—2 of Fig. 3;

Fig. 3 a partial section on the line 3—3 of Fig. 2; and,

Fig. 4 a section on the line 4—4 of Fig. 3.

In the accompanying drawing I have shown at 5 a part of the spring seat support of a binding, mowing or similar farming machine, to the free end portion of which is secured my improved seat construction 6.

The seat construction 6 comprises a frame 7, consisting of a base plate 8 at the ends of which are upstanding walls 9 and 10, and at the opposite sides of which are upstanding bearing members 11 in which a shaft 12 is mounted and a worm 13 is secured to said shaft between the bearing members 11. One end of the shaft 12 is provided with a crank lever 14 by means of which said shaft may be rotated.

Mounted between the upper end portions of the walls 9 and 10 is a plate 15 which is free to oscillate laterally upon pins or similar devices 16 passed thereinto and which are mounted in the walls 9 and 10. A suitable seat member 17 is secured to the plate 15 by a bolt 18 or in any other desired manner so that the seat and said plate will move laterally as one unit.

Secured to the plate 15 approximately centrally thereof is a depending gear segment 19 which coöperates with the worm 13, as clearly shown in Fig. 2, said gear segment, in the form of construction shown, being secured to the plate 15 by a bolt 20 passed through a backwardly directed extension 21 on the gear segment 19.

In the use of my improved seat construction and after the various parts thereof have been assembled in the manner shown, the same is mounted in connection with the spring seat support 5 by a bolt 22 passed through the base plate 8 of the frame 7, and the upper end portion of the seat support 5, as clearly shown in Fig. 3 of the drawing. It will be understood that my improved seat construction may be used horizontally as shown in Figs. 2 and 3 of the drawing, when the machine in connection with which it is mounted is used upon level ground, but when it is desired to use the machine upon a hillside, such as is illustrated at 23 in Fig. 1 of the drawing, the crank 14 is operated to move the seat 17 into a horizontal position as is clearly illustrated in said figure. It will be apparent that the lateral movement of the seat by the worm and gear construction will depend upon the inclination of the hillside in connection with which the machine is to be operated and any variation of such inclination of the hillside may be counteracted by the operator from time to time by rotating the crank 14 in the proper direction. It will also be seen that the seat 17 of my improved seat construction may assume a horizontal position when the machine in connection with which it is employed, is on a hillside the inclination of which is either at the right or left hand side of the machine.

It will be understood that while I have shown certain details of construction for carrying my invention into effect, I am not necessarily limited to these details nor to a support of any specific form and construction, and various changes in and modifications of the construction herein shown and described may be made, within the scope of the appended claim, without departing from the spirit of my invention or sacrificing its advantages.

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

In a seat construction of the class described, a frame having upstanding side and end members, a plate rotatably mounted in the top portions of said end members, a seat mounted on said plate, a gear segment connected with the bottom of said plate and extending downwardly between the end members of the frame, a shaft mounted between the upstanding side members and provided with a worm which coöperates with said gear segment, and means for turning said shaft and said worm.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this first day of November, 1920.

GUY MARSHALL.

Witnesses:
H. C. WHITEHOUSE,
IRVING GRAY.