G. F. SCHAHL.

IMPLEMENT HOLDER.

APPLICATION FILED NOV. 16, 1912.

1,078,805.

Patented Nov. 18, 1913.

2 SHEETS—SHEET 1.

Fig. 1.

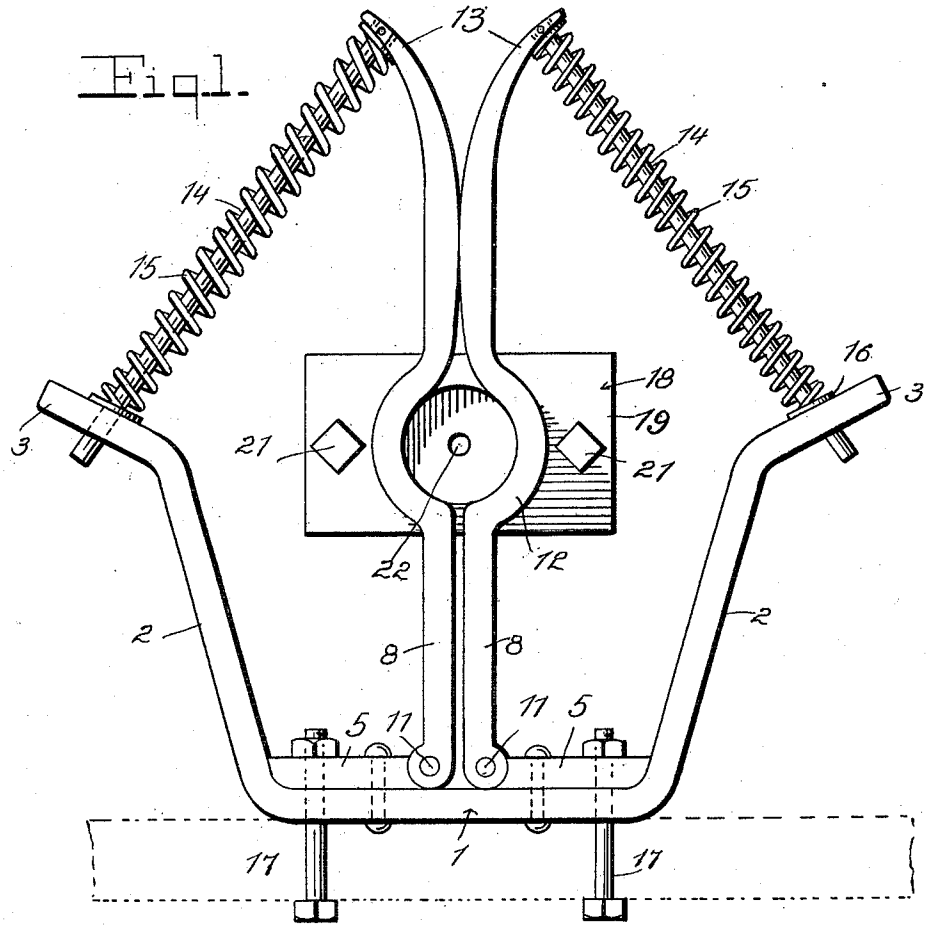


Fig. 6.

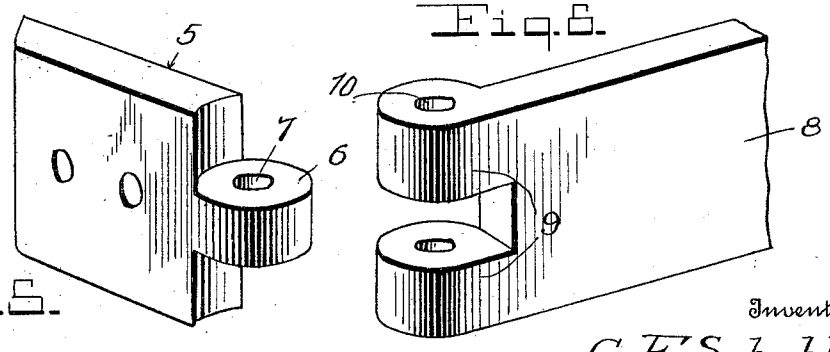


Fig. 5.

Witnesses

W. L. McQuay.

A. D. Hind

Inventor

G. F. Schahl.

By Watson E. Coleman

Attorney

COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

G. F. SCHAHL.

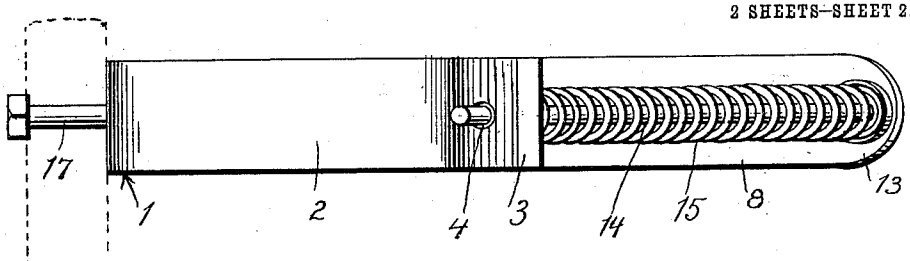
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2 SHEETS—SHEET 2.



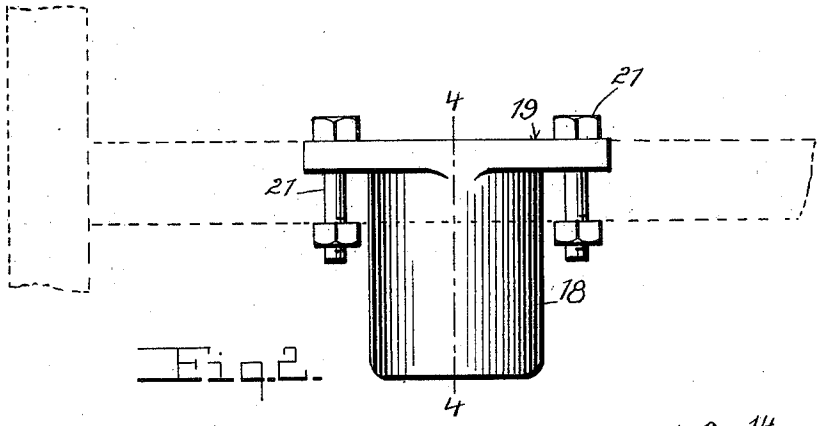


Fig. 2.

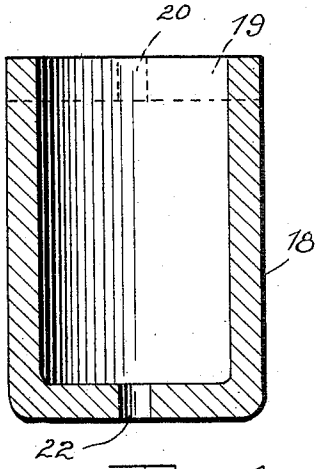


Fig. 4

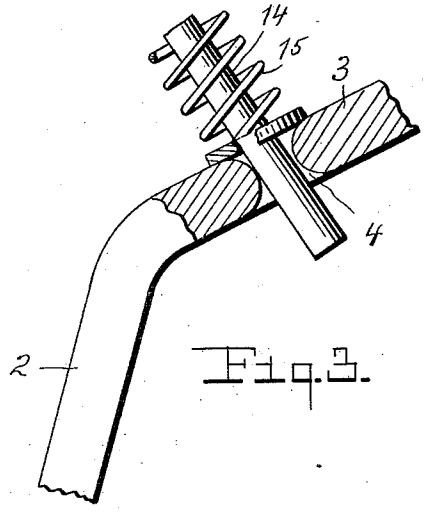


Fig. 3.

Witnesses

W. F. McCurry

A. L. Hunt.

Inventor

G. F. Schahl

By Watson E. Coleman

Attorney

COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GOTTLIEB F. SCHAHL, OF MOUNT PULASKI, ILLINOIS.

IMPLEMENT-HOLDER.

1,078,805. Specification of Letters Patent. Patented Nov. 18, 1913.

Application filed November 16, 1912. Serial No. 731,834.

To all whom it may concern:

Be it known that I, GOTTLIEB F. SCHAHL, a citizen of the United States, residing at Mount Pulaski, in the county of Logan and State of Illinois, have invented certain new and useful Improvements in Implement-Holders, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to holders for supporting pitchforks upon threshing machines, and an object thereof is the provision of a device of this character in which the fork may be readily secured in a convenient position when not in use.

A further object of this invention is the provision of a device of this character comprising a base plate having a pair of gripping arms pivotally connected thereto, and means mounted on the base plate for holding the gripping arms in engagement with each other whereby the handle of the pitchfork may be securely held between the arms.

A further object of this invention is the provision of a device of this character which comprises a minimum number of parts and may be cheaply manufactured and which consists in the novel constructions, arrangements and combinations of parts, to be hereinafter more fully described, claimed and illustrated in the accompanying drawing, in which—

Figure 1 is a top plan view of my device; Fig. 2 is a side elevation thereof; Fig. 3 is a fragmentary view of one of the guide rods and the spring showing the slidable connection of the guide rod with one end of one of the arms of the base plate; Fig. 4 is a section taken on the line 4—4 of Fig. 2; Fig. 5 is a fragmentary perspective view of one of the bearing plates, and Fig. 6 is a fragmentary perspective view of the lower end of one of the gripping arms.

Referring more particularly to the drawing, the numeral 1 designates a base plate which is substantially U shaped in form, the arms 2 of the base plate extending outwardly therefrom, the extremities of the arms being offset in opposite directions, as at 3, and formed with openings 4.

Secured to the outer face of the intermediate portion of the base plate 1 by rivets or other suitable fastening means, are a pair of spaced bearing plates 5, the opposing ends of which are formed with reduced extensions 6 having openings extending transversely therethrough, as at 7. Pivotally connected to the reduced ends of the bearing plates are a pair of gripping arms 8 which are forked on their inner ends as at 9 and apertured as at 10, the forked inner ends of the arms 8 being engaged with reduced extensions 6 of the bearing plates 5 so that the openings therein register to receive the pivot pins 11. The arms 8 are bowed outwardly as at 12 intermediate their ends to form a circular opening between the arms, and the outer extremities of said arms are flared outwardly as at 13 to provide for easy insertion of the handle of the pitchfork between the arms.

Secured to the flared ends of the gripping arms 8 are rearwardly extending guide rods 14 which are adapted to extend through the openings 4 in the extremities 3 of the base plate, and coiled expansion springs 15 are disposed around the guide rods 14 and are adapted to bear at their opposite ends against the spring arms 8 and the outer ends 3 of the base plate whereby the arms 8 are normally held in closed position. The inner ends of the springs 15 are adapted to bear against washer plates 16 whereby the springs will be prevented from passing through the openings 4 in the arms of the base plate.

When the device is attached to a threshing machine, the base plate may be secured to the frame of the machine by bolts 17 or other suitable fastening devices, and a cup 18 may be secured to the frame below the holder to receive the outer end of the handle and prevent the fork from slipping downwardly in the holder out of reach of the operator of the machine. The cup 18 may be formed with a suitable base plate 19 which is formed with openings 20 for securing the cup to the frame by bolts 21, and an opening 22 is formed in the bottom of the cup so that water or other foreign matter may pass out of the cup.

The operation of my device is as follows: In the practical use thereof, the fork handle is placed between the flared ends of the spring arms 8 and moved rearwardly whereupon the arms will spread against the action of the springs 15 and when the handle reaches the bowed portion 12 of the arms, the springs will force the arms toward each other whereupon the arms will firmly grip the opposite sides of the handle. The fork may then be forced downwardly so that the outer end of the handle will

enter the cup 18 so as to prevent swinging of the fork owing to the vibration of the machine. It will be seen that the springs 15 will be supported in the holder by the guide pins 14, and that the arms 8 may be readily spread by reason of the slidable engagement of the guide pins 14 in the openings 4 in the outer ends of the arms of the base plate. It will, of course, be understood that the base plate may be secured to a door or other stationary object and may also be used to support brooms, mops, or other similar devices which are provided with handles.

While the construction illustrated in the accompanying drawing is the preferred embodiment of my invention, it will be understood that many minor changes in the construction may be made without departing from the spirit of my invention or sacrificing any of its advantages as determined by the scope of the appended claims.

Having thus described my invention what I claim and desire to secure by Letters Patent is:

1. A holder of the character described comprising a base plate, the opposite ends of said base plate extending outwardly and forwardly, the extremities of said base plate being offset in opposite directions, said extremities being apertured, forwardly extending gripping arms pivotally connected to said base plate intermediate of its ends, guide rods pivotally connected to the free extremities of said gripping arms, said guide rods being slidably disposed through the apertures in the extremities of said base plate, and means disposed on said guide rods for normally holding the gripping arms in closed position, as and for the purpose described.

2. A holder of the character described comprising a base plate, the opposite ends of said base plate extending outwardly and forwardly, the extremities of said base plate being offset in opposite directions, said extremities being apertured, forwardly extending gripping arms pivotally connected to said base plate, said gripping arms extending beyond the opposite ends of said base plate, guide rods pivotally connected to the free extremities of said gripping arms, said guide rods extending rearwardly and outwardly and being slidably disposed through the apertures in the opposite ends of said base plate, and means disposed on said guide rods for normally holding the gripping arms in closed position, as and for the purpose described.

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

GOTTLIEB F. SCHAHL.

Witnesses:
GEO. RUPP,
BROOKS CRITCHISON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."