C. WILLIAMS.

PLOW ATTACHMENT.

APPLICATION FILED FEB. 24, 1909.

943,762. Patented Dec. 21, 1909.

Fig. 1.

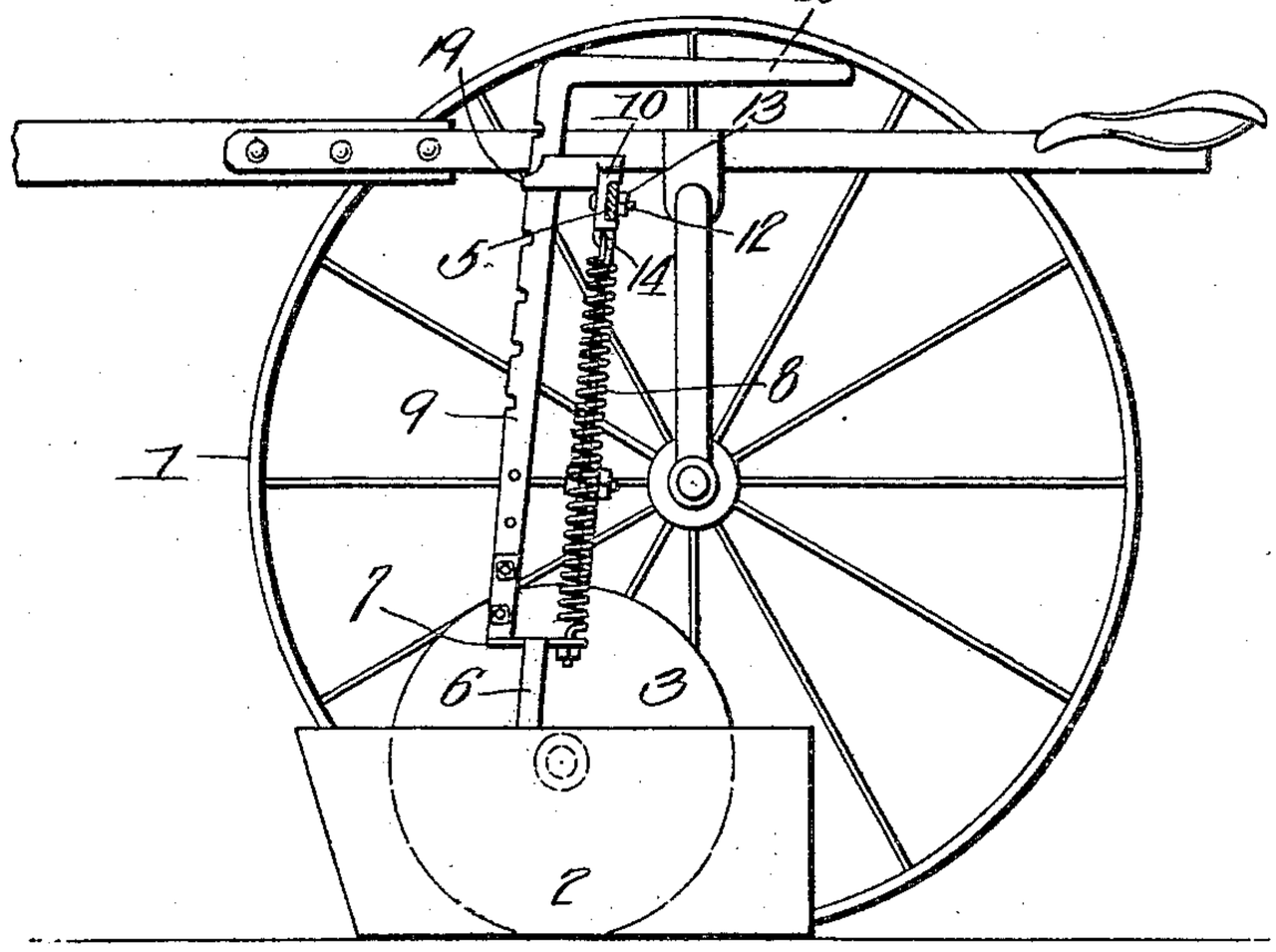

Fig. 2.

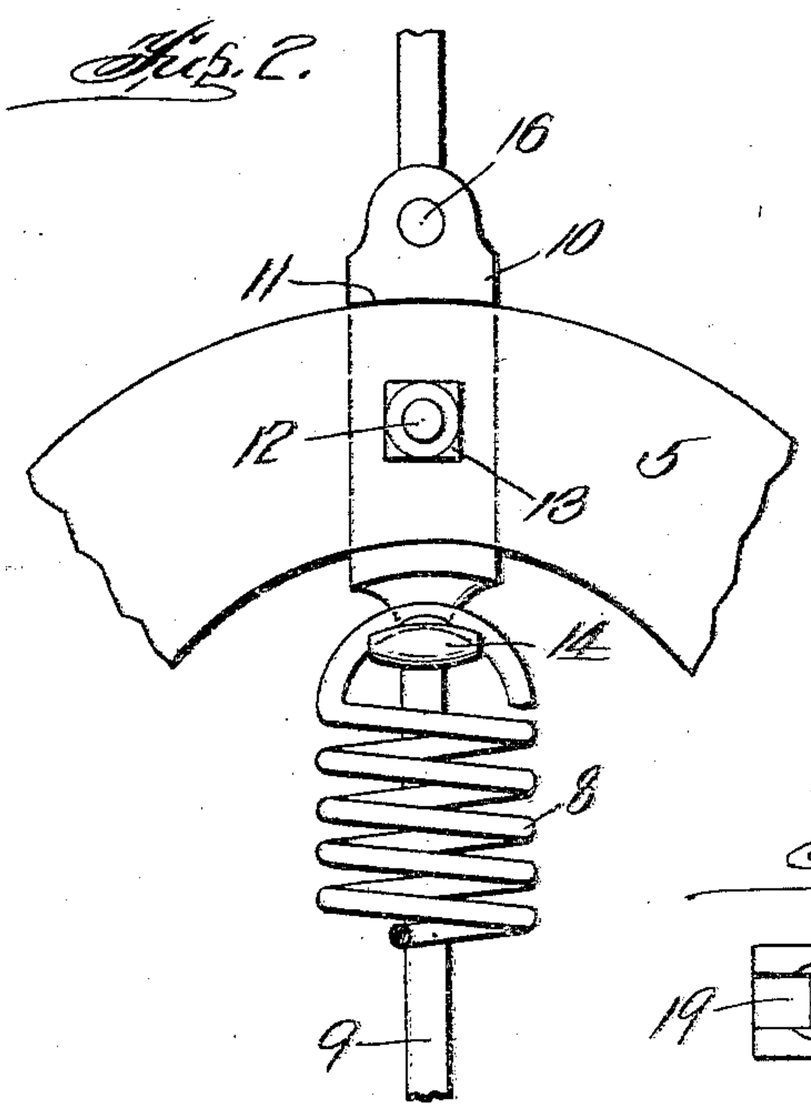

Fig. 3.

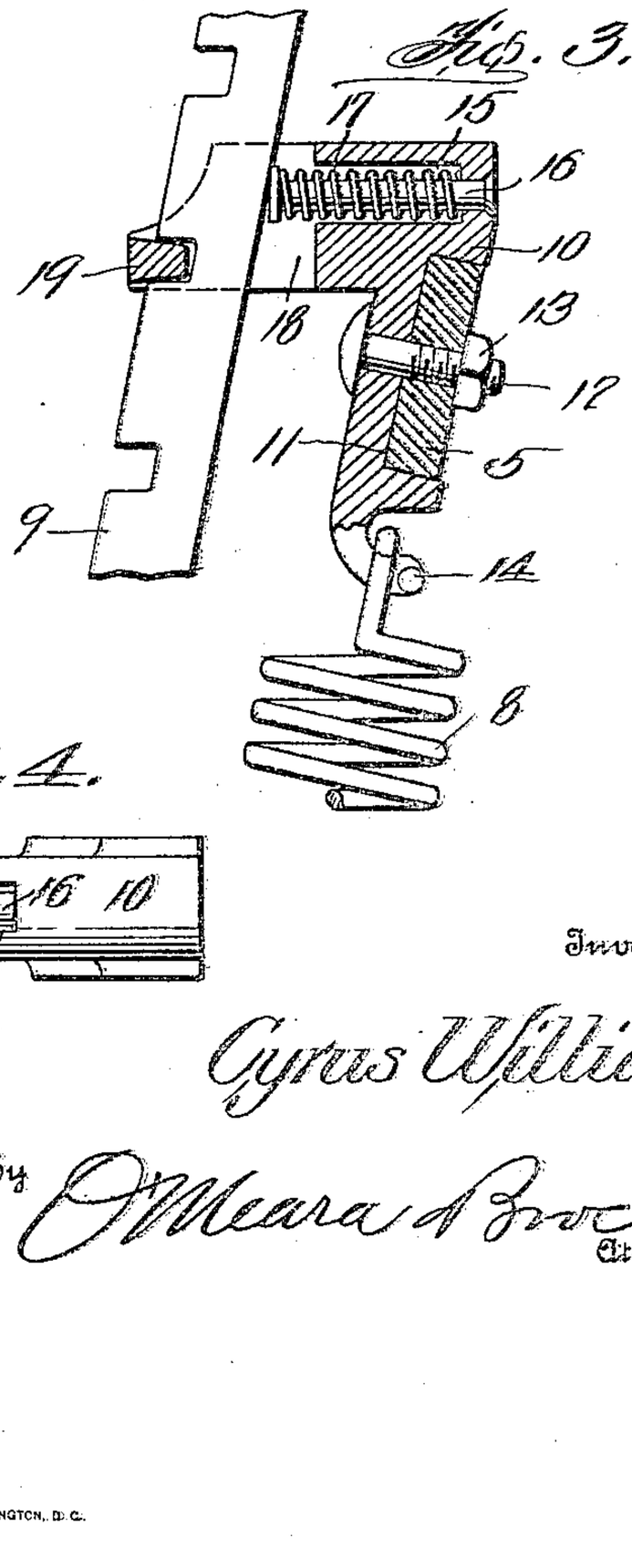

Fig. 4.

Witnesses

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CYRUS WILLIAMS, OF TURNEY, MISSOURI.

PLOW ATTACHMENT.

943,762. Specification of Letters Patent. Patented Dec. 21, 1909.

Application filed February 24, 1909. Serial No. 479,732.

To all whom it may concern:

Be it known that I, CYRUS WILLIAMS, a citizen of the United States, residing at Turney, in the county of Clinton and State of Missouri, have invented a new and useful Improvement in Plow Attachments, of which the following is a specification.

This invention is an improvement upon the plow attachment for which I was granted Letters Patent No. 898,809, under date of September 15, 1908. In the original form, the attachment for lifting the fender was secured to a bracket held upon the wheel axle. The present improvement is designed for use in connection with a different style of cultivator in which an arched bar rises above the disks of the cultivator, and the object of the present invention is to provide means for attaching the device to this bar, and also to improve the arrangement and construction of the attachment itself.

In the accompanying drawings: Figure 1 is a side elevation of the attachment in place. Fig. 2 is an enlarged end view of a bracket casting, secured in position upon the arch. Fig. 3 is a side elevation of a part of my attachment, the bracket casting and the arch being shown in section. Fig. 4 is a plan view of the bracket casting removed from the arch.

In these drawings 1 represents one of the ground wheels of the cultivator, 2 is the fender, 3 a cultivator disk and 5 the arch. As in the patented case a bar 6 connects a plate 7 to the fender, or both of them if two are employed. To this plate is connected a spring 8 and a notched bar 9, both of which are shown in the patent referred to. In my present construction, I reverse the relative arrangement of the spring and notched bar, placing the spring to the rear of the bar instead of in front of it. To secure the upper end of the spring and also to lock the bar 9 in position, I provide a bracket casting 10 which is angled and upon its rear face it is recessed as shown at 11 to receive the arch 5, a bolt 12 passing through the casting about the center of the recess and a nut 13 working upon the rear end of the bolt. This portion of the casting which extends downwardly terminates in a hook 14 to which the upper end of the spring 8 is connected. The other portion or arm of the bracket is provided with a longitudinal bore 15 in which works a bolt 16 normally projected forwardly by a spring 17. This portion of the casting is vertically slotted as shown at 18 and the forward end is reduced by the cutting away of the upper corner, thus forming a tooth 19 at the front end of the slot 18. The notched bar 9 is angled at its upper end to form a rearwardly extending handle 20. This bar passes through the slot 18 and the tooth 19 engages the notches of the bar, and the spring pressed bolt 16 engages the rear face of the bar 9 and holds it in engagement with said tooth. To adjust the fender, the handle 20 is pulled rearwardly, thus forcing back the bolt 16 and disengaging the bar 9 from the tooth 19, and the bar can then be adjusted vertically until the fender is in the proper position.

What I claim is:—

1. The combination with a fender, of a notched bar for adjusting the fender, a casting having a vertical slot through which the bar passes, the front end of the slot forming a tooth to engage the notches of the bar, and a spring pressed bolt working in the casting and engaging the rear face of the bar.

2. The combination with a cultivator having an arched bar, of a fender, a casting secured to the arch, said casting being angled, a spring connected at one end to the depending portion of the casting, means connecting the other end of the spring to the fender, a notched bar connected also to the fender, said bar working loosely through a horizontally extending portion of the casting, a tooth carried by the casting and engaging said notched bar, and locking means carried by the casting for holding said bar in engagement with the tooth.

3. The combination with a cultivator having an arch, of a fender, an angled casting detachably secured to the arch, a spring connected to said casting, a notched bar working vertically through the casting, means carried by the casting for engaging said bar, a spring pressed bolt working in the casting and engaging the bar and holding the same in engagement with the locking means, and means connecting the notched bar and the spring to the fender.

CYRUS WILLIAMS.

Witnesses:
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