

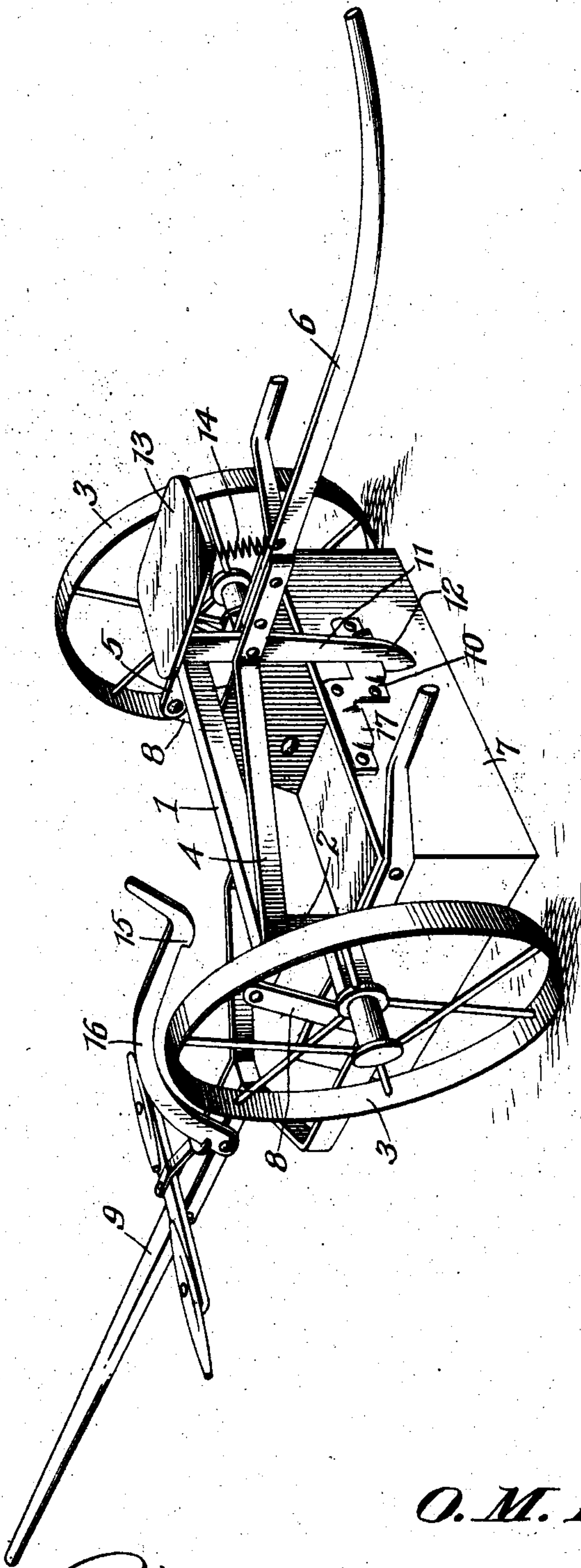
No. 834,358.

PATENTED OCT. 30, 1906.

O. M. BRILEY.  
EXCAVATING SCOOP.  
APPLICATION FILED MAR. 7, 1906.

2 SHEETS—SHEET 1.

Fig. 1.



WITNESSES:

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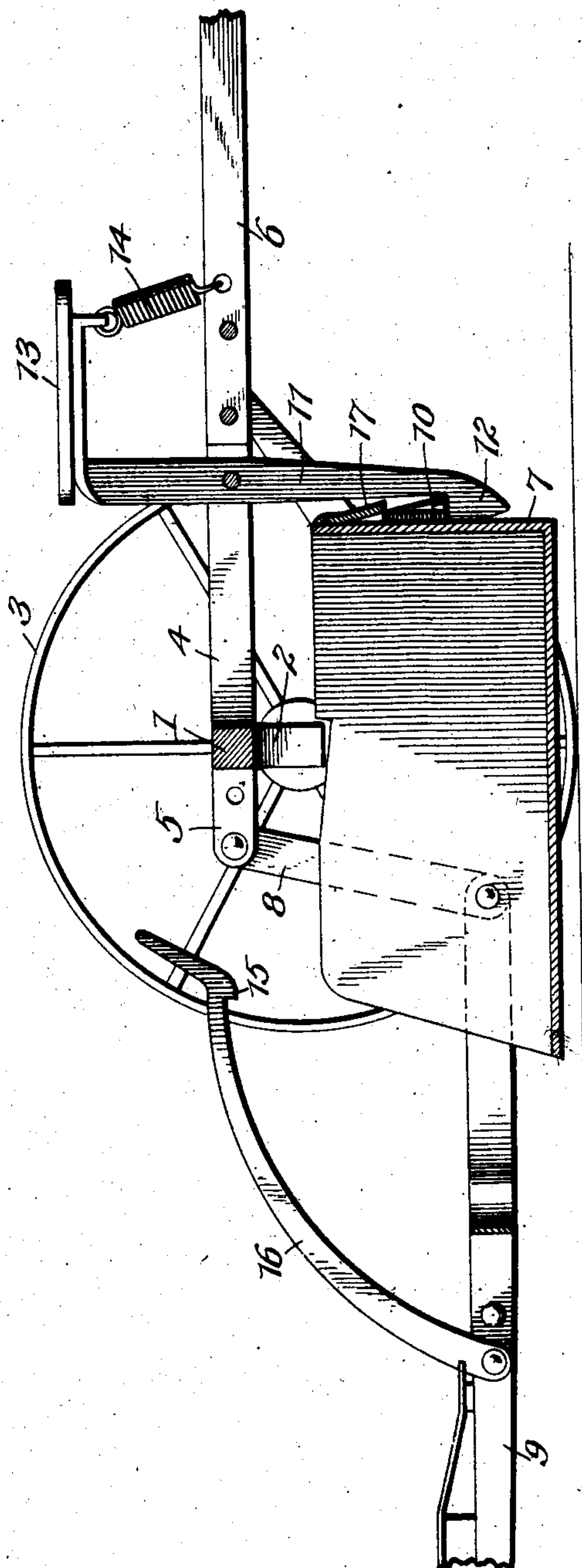
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2 SHEETS—SHEET 2.

Fig. 2.



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# UNITED STATES PATENT OFFICE.

OTHO M. BRILEY, OF AMES, IOWA.

## EXCAVATING-SCOOP.

No. 834,358.

Specification of Letters Patent.

Patented Oct. 30, 1908.

Application filed March 7, 1906. Serial No. 304,753.

*To all whom it may concern:*

Be it known that I, OTHO M. BRILEY, a citizen of the United States, residing at Ames, in the county of Story and State of Iowa, have invented certain new and useful Improvements in Excavating-Scoops; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in scoops, and more especially to that class of excavating-scoops which are mounted upon wheels; and my object is to provide means for holding the scoop in its elevated position after the same has been filled.

A further object is to provide a riding-seat for the operator.

Other objects and advantages will be made clearly apparent in the accompanying specification and pointed out in the claims.

In the accompanying drawings I have shown the preferred form of my invention.

In said drawings, Figure 1 is a perspective view of a scoop, showing my improved attachment applied thereto; and Fig. 2 is a central longitudinal section therethrough.

Referring to the figures by numerals of reference, 1 indicates a carrying-axle having depending portions 2 at each end thereof, and 3 represents wheels carried at the outer ends of said axle. Rigidly secured to the axle 1 are arms 4, said arms projecting in front of the axle to form supporting members 5 and are directed together on the opposite side of the axle and have secured between their outer ends a tilting lever 6. A scoop of the usual or well-known form is swung below the axle 1 by means of links 8, said links being pivotally secured at one end to the members 5 and at the opposite end to the front portions of the scoop 7. A tongue 9 is pivotally secured to said scoop, said pivot-points being the same as the pivot-points at the lower ends of the links 8. The rear end of the scoop 7 is provided with a keeper 10, with which is adapted to engage the lower end of a bar 11, said bar being pivotally secured between the adjoining ends of the members 4, the extreme lower end of the bar 11 being provided with a latch 12, which engages the keeper 10 when desired. The extreme upper end of the bar 11 is bent at right angles thereto and forms a

support for a seat 13. In order to hold said latch in position to engage the keeper 10, I employ a spring 14, one end of which is secured to the under side of the seat and the opposite end to the lever 6, by which means said latch is normally held in the path of said keeper.

In operation when it is desired to fill the scoop the latch 12 is disengaged from the keeper 10 and the lever 6 moved upwardly and the scoop lowered into engagement with the earth, &c., and after said scoop has been filled by driving the team forward the lever 6 is again lowered and the scoop elevated until the latch again engages the keeper 10, thus locking the scoop in its elevated position. The driver then mounts the seat and the contents of the scoop moved to a desired dumping place, when the driver dismounts and dumps the contents of the scoop by elevating the lever 6.

If desired, the upward and forward movement of the lever 6 may be continued until the latch 15 on the curved arm 16 engages a keeper 17, also placed on the rear end of the scoop, in which position the scoop is ready to be moved from place to place. If, however, the driver desires to ride, the lever 6 is lowered to the position shown in the drawings, when the driver can again mount the seat and return for another load.

What I claim is—

1. In a scoop of the class described, the combination with an axle having wheels at its outer ends; of a scoop pivotally secured to said axle, arms rigidly secured to said axle, a lever secured to said arms, a bar pivotally secured between said arms, a seat carried at the upper end of said bar, a latch at the lower end of said bar, a keeper carried by the scoop adapted to engage said latch, and means to direct said latch into engagement with the keeper.

2. The combination with a scoop having a carrying axle and wheels thereon; of arms rigidly secured to said axle, a bar pivotally secured between said arms, a latch at the lower end of said bar, a seat secured at the upper end thereof, a keeper on said scoop, and means to direct said latch into engagement with said keeper.

3. The herein-described attachment for scoops comprising the combination with a scoop and a supporting-frame therefor; of a

bar pivotally secured to said frame, a seat at  
the upper end of said bar, a latch at the lower  
end thereof adapted to engage the keeper on  
the scoop, and a spring secured at one end to  
5 the frame and at the opposite end to the bar  
adapted to direct said latch into engagement  
with the keeper.

In testimony whereof I have signed my  
name to this specification in the presence of  
two subscribing witnesses.

OTHO M. BRILEY.

Witnesses:

GEO. W. O'BRIEN,  
J. R. BRADLEY.