(No Model.) 2 Sheets—Sheet 1.

D. D., C. D., & P. J. SPRAGUE.

STRAW STACKER FOR THRASHING MACHINES.

No. 311,210. Patented Jan. 27, 1885.

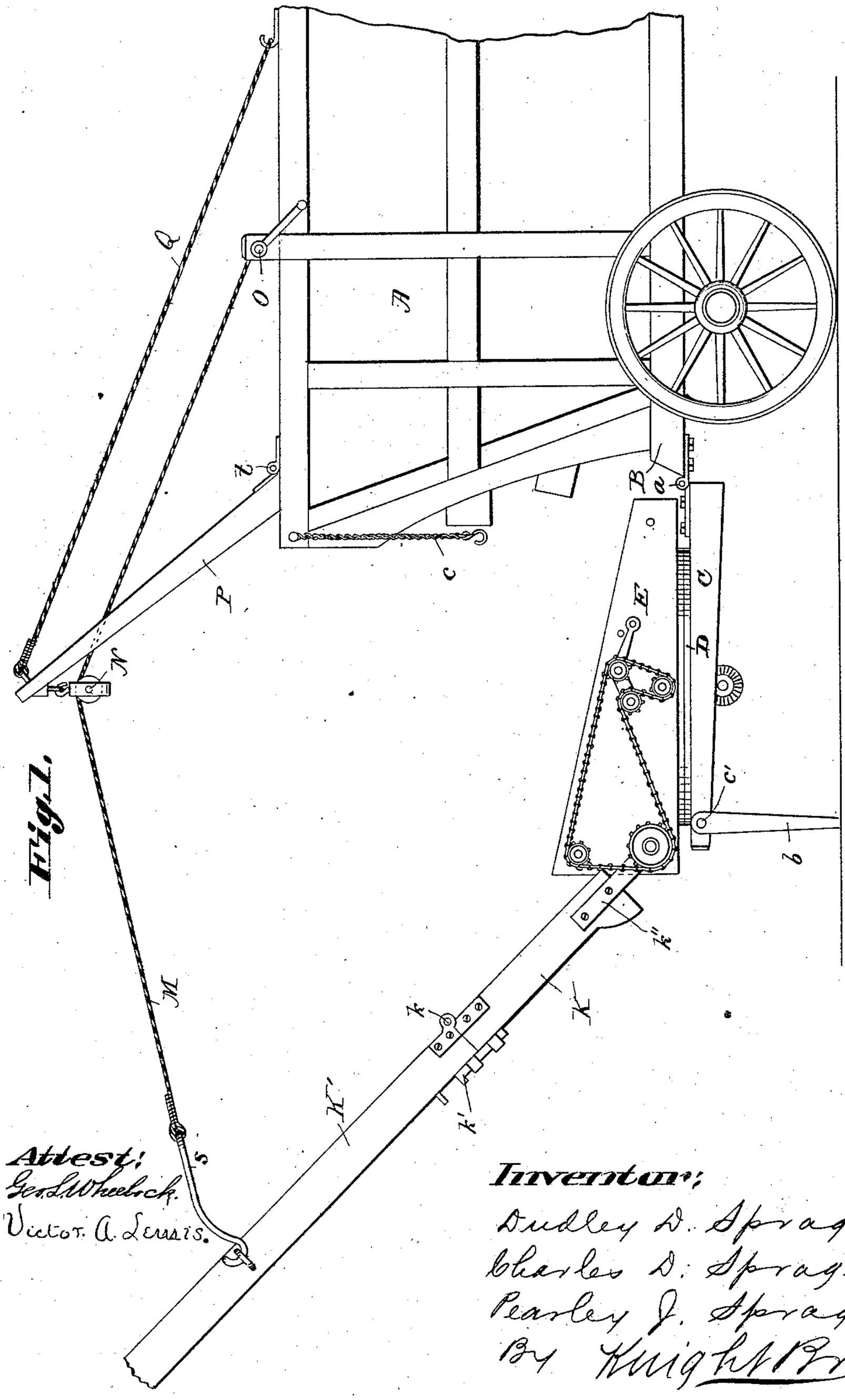

Fig. 1.

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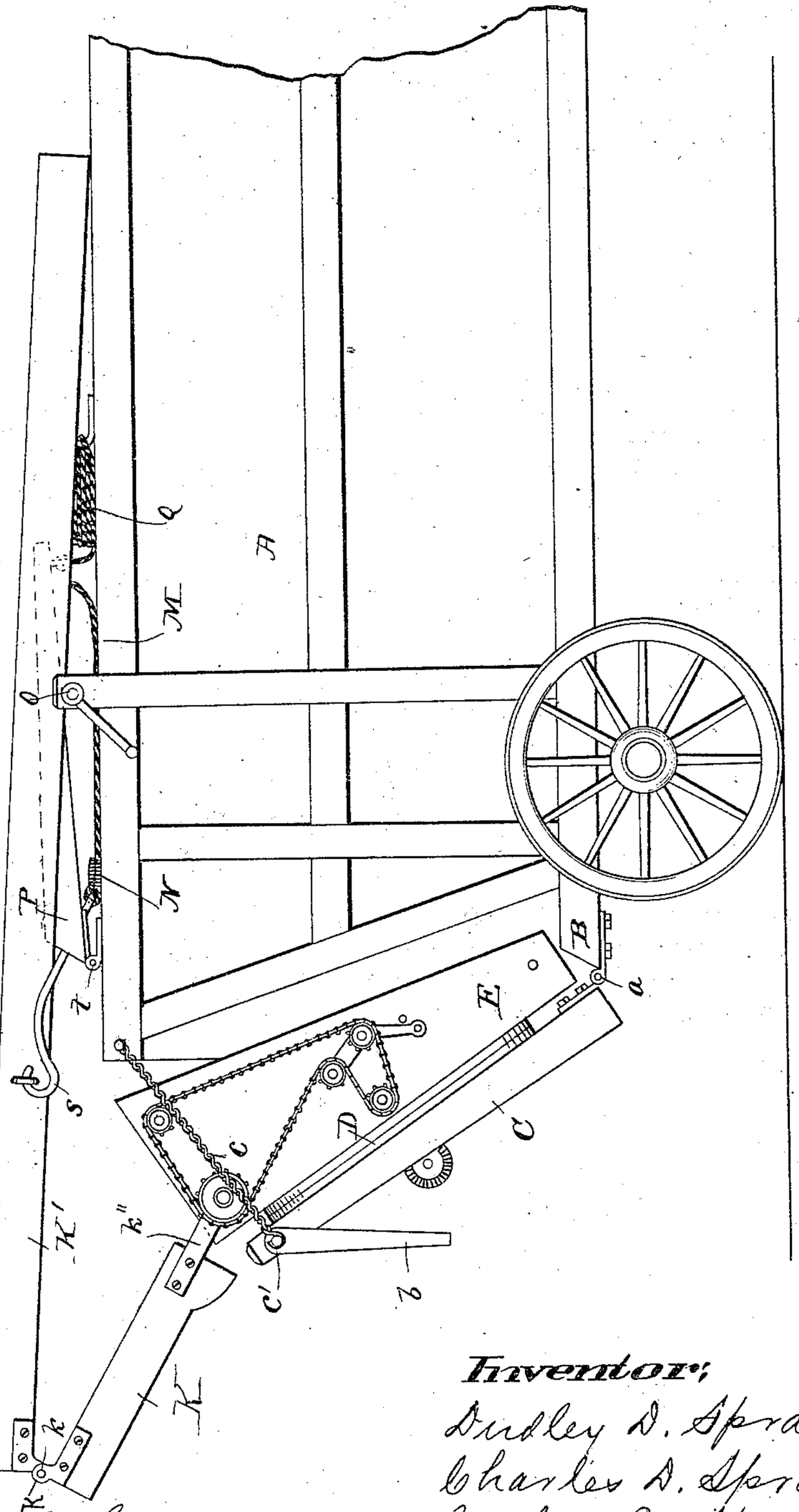
Fig. 2.



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UNITED STATES PATENT OFFICE.

DUDLEY D. SPRAGUE, OF CALIFORNIA, CHARLES D. SPRAGUE, OF CHILHOWEE, AND PEARLEY J. SPRAGUE, OF HIGBEE, MISSOURI; SAID CHARLES D. SPRAGUE ASSIGNOR TO SAID DUDLEY D. AND PEARLEY J. SPRAGUE.

STRAW-STACKER FOR THRASHING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 311,210, dated January 27, 1885.

Application filed December 5, 1884. (No model.)

To all whom it may concern:

Be it known that we, DUDLEY D. SPRAGUE, a resident of California, in the county of Moniteau and State of Missouri, CHARLES D. SPRAGUE, a resident of Chilhowee, in the county of Johnson and State of Missouri, and PEARLEY J. SPRAGUE, a resident of Higbee, in the county of Randolph and State of Missouri, all citizens of the United States, have invented certain new and useful Improvements in Straw-Stackers for Thrashing-Machines; and we do 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

In the drawings, Figure 1 is a side elevation of our improved stacker in operative condition and a portion of a thrashing-machine. Fig. 2 is a side elevation of the same in condition for transportation.

A is the main frame, and B the sills, of a thrashing-machine.

C is an intermediate supporting frame or base of our stacker, which is hinged to the sills at *a*, to fold up against the end of the machine. This frame is supported at its outer end by a prop or props, *b*, made adjustable in order to steady the frame C on uneven ground. A chain, *c*, is secured to the upper rear end of the machine, and at its lower end engages with a projection, *c'*, on the outer end of the supporting frame or base when the latter is folded up against the end of the machine for transportation. On the frame or base is secured a circular track, D, on which rests an intermediate or short carrier-frame, E, supporting the elevating-frame K, consisting of two parts hinged together at *k*, and secured in line by suitable bolts, *k'*, when in use.

K' represents the upper part of the elevating-frame, which is adapted to fold back onto the machine. The lower end of the elevating-frame is hinged by suitable plates, *k''*, to the outer end of the frame E. The upper part is engaged by a bail, *s*, connected to a rope or chain, M, which extends over a pulley, N, supported on a frame or derrick, P, and thence to a windlass, O. This chain or rope serves to support the elevating-frame in inclined position. The derrick is made of wood or iron, in angular form, having its lower ends hinged to the top of the machine near its rear end, as shown at *t*, so as to permit the derrick to be folded down on the top of the machine, as shown in Fig. 2. Connected to the top of the derrick is a chain or rope, Q, which extends downward to engage a projection on the machine.

The stacker herein described is similar to that shown and claimed in our application No. 83,397, filed January 29, 1883, and we do not claim in this application the subject-matter claimed in the previous case.

We claim as our invention—

1. In combination with a thrashing-machine and elevator-frame, the intermediate frame hinged or pivoted to the machine and supporting the elevator-frame, substantially as set forth.

2. In combination with a thrashing-machine and elevator-frame, a hinged or pivoted intermediate frame, C, as set forth.

3. The combination of a thrashing-machine, a folding derrick supported by and hinged to the machine, and an elevator-frame adapted to be folded on top of the machine over the derrick, substantially as set forth.

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