(No Model.)

C. E. MERRIFIELD.

STRAW STACKER.

No. 272,572. Patented Feb. 20, 1883.

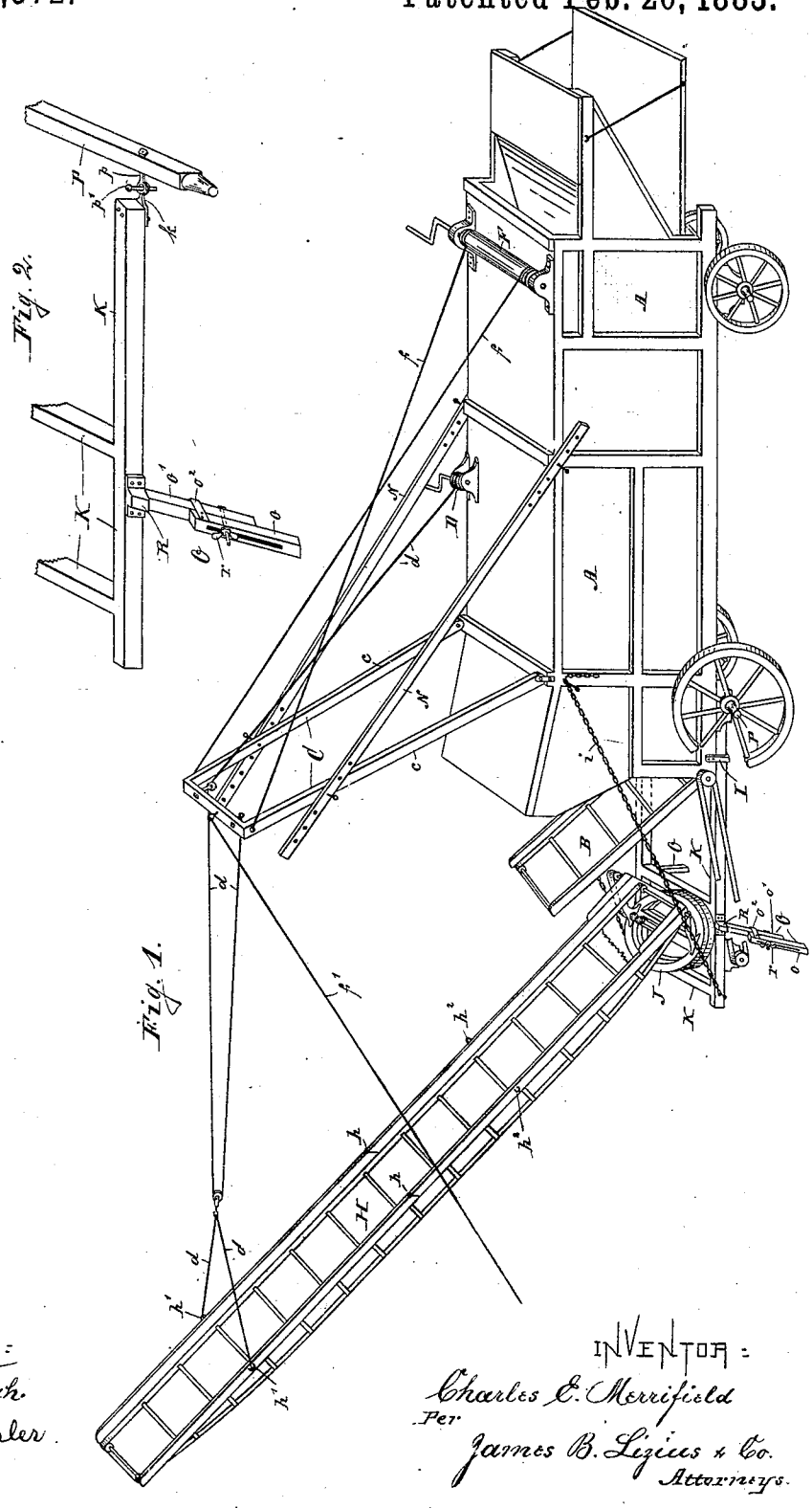


Fig. 2.

Fig. 1.

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UNITED STATES PATENT OFFICE.

CHARLES E. MERRIFIELD, OF INDIANAPOLIS, INDIANA.

STRAW-STACKER.

SPECIFICATION forming part of Letters Patent No. 272,572, dated February 20, 1883.

Application filed November 27, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. MERRIFIELD, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Straw-Stackers, of which the following is a specification.

My invention relates to improvements in straw-stacking attachments to a thrashing and separating machine; and the objects of my improvements are, first, to do away with the extra truck now used to transport the straw-stacking machines; secondly, to simplify the parts and connect them with the necessary parts of a thrashing and separating machine, so that the straw-stacker can be more quickly and easily made ready for transportation or operation; thirdly, to reduce the cost of the stacker. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the entire machine in connection with a thrashing and separating machine ready for operation. Fig. 2 is a detail drawing of the adjustable platform which supports the turn-table, showing its connections with the rear axle of thrashing-machine.

Similar letters refer to similar parts throughout the several views.

A is the thrashing-machine.

B is the straw-carrier which is ordinarily used on thrashing-machines, and can be made of any suitable or required length.

K is an adjustable platform connected with the axle P of machine A by eyebolts *k*, which are bolted to the under side of the platform-timbers, and eyebolts *p*, bolted to axle P, both being connected by pins *p'*. Instead of eyebolts, hinges may be used.

O O are adjustable supports formed of two parts, *o* and *o'*, held together by clamps o^2, and secured in the desired position by set-screws *r*. Said supports are secured to platform K by sockets R, which are bolted to the sides of the platform-timbers. By using my adjustable supports I am enabled to level the platform K, on which rests the straw-stacker H, if the machine is stationed on uneven ground.

i i are rods or chains to hold platform K up during transportation, while a clevis, I, at each side, which secures the platform-timbers to the under side of the sills of the thrasher, prevents the platform from swinging sidewise.

J is the turn-table, secured to and operated on platform K, which carries the driving mechanism for propelling the stacker-belts and slats.

H is the straw-stacker; *h h*, the hinges connecting the folding sections of the stacker. *h' h'* and h^2 h^2 are staples or loops, to which ropes *d d* are secured.

C is a derrick bolted or hinged to the deck or to a cross-bar on the deck of the thrashing-machine; or it may be bolted or hinged to the sides of the machine.

c c are the spars of derrick C.

d d are ropes to raise or lower the stacker H by windlass D, which is secured to the top of the thrashing-machine or to the side of the same, or to one of the spars *c* of derrick C.

N N are adjustable braces secured to derrick C and to machine A, or to a cross-bar on deck of machine A.

f f are guy-ropes, and also used to raise and lower derrick C by windlass F, secured to thra-hing-machine A.

f' is a rope to lower derrick C onto deck of thrasher A for transportation.

To prepare the whole apparatus for transportation, the straw-stacker H is lowered by windlass D, ropes *d d* are unhooked from staples or loops *h' h'*, the stacker is then folded and unfastened from turn-table J, braces N N are removed, ropes *d d* are hooked into staples or loops h^2 h^2, and folded stacker H is raised and swung onto the deck of the thrasher A, between spars *c c* of derrick C, by the use of derrick C and windlasses D and F. The derrick C is then lowered onto deck of machine A by rope *f'*. Adjustable chains or rods *i i* are then secured in place, connecting platform K with machine A, and holding the platform in position; or, if desired, platform K can be separated from the thrashing-machine by simply removing pin *p'* out of eyebolts or hinges *k* and *p*. Adjustable supports O O are taken out of sockets R. The machine is now ready for transportation. Where the premises do not allow the use of derrick C and turn-table J—as, for instance, when the thrasher is operated

in a barn—the stacker H can be substituted for straw-carrier B and directly attached to thrasher.

What I claim, and desire to secure by Letters Patent, is—

1. The combination of adjustable supports O O, platform K, clevis I, eyebolts or hinges *k* and *p*, pins *p'*, and axle P, substantially as described, and for the purpose set forth.

2. The combination of thrashing-machine A, derrick C, windlasses D and F, braces N N, stacker H, turn-table J, platform K, and rods or chains *i i*, substantially as described, and for the purpose specified.

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

CHARLES E. MERRIFIELD.

Witnesses:
CARL P. FETSCH,
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