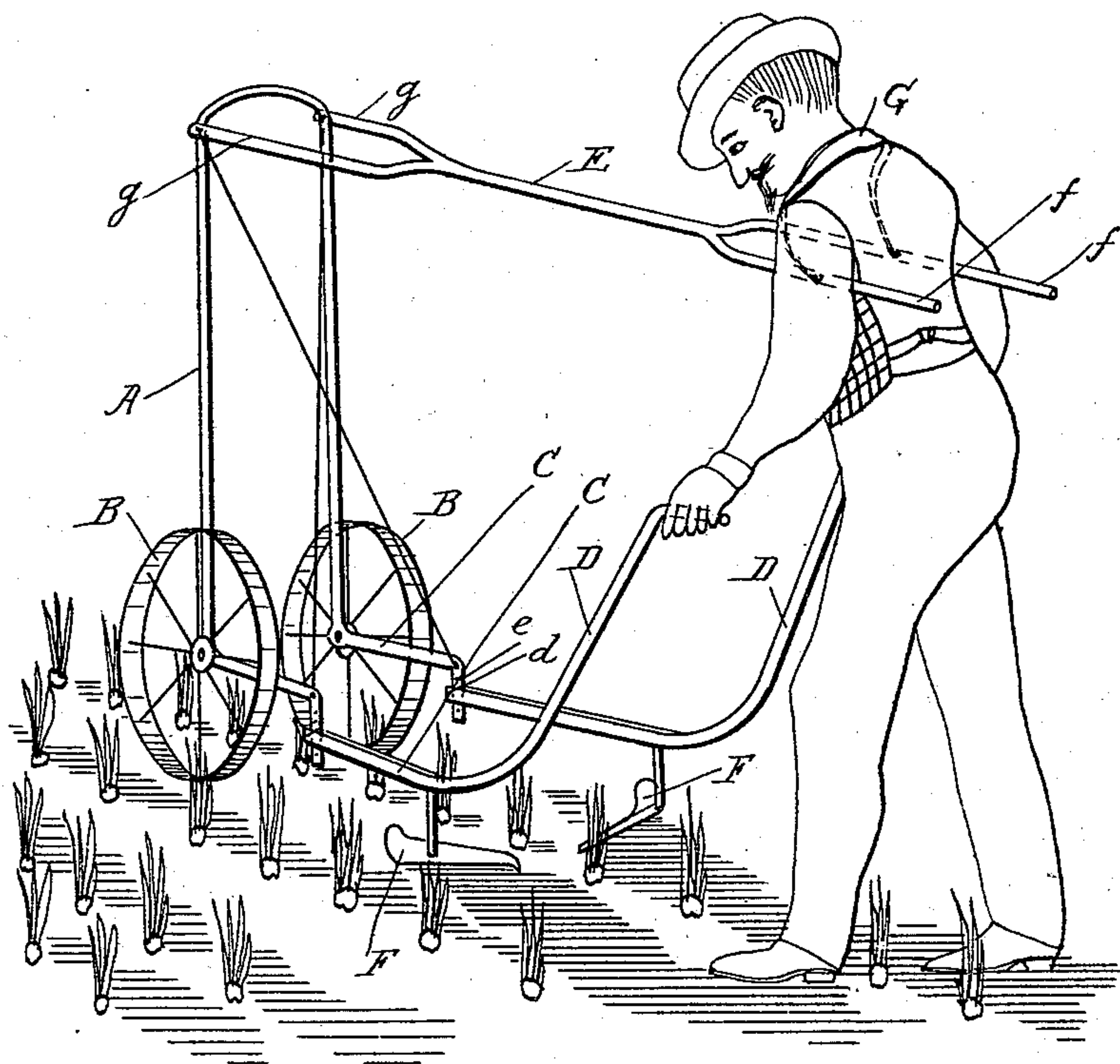


(No Model.)

R. G. H. DILLON.
HAND WHEEL CULTIVATOR.

No. 543,378.

Patented July 23, 1895.



Witnesses

Arthur J. Brown
Walter Allen

Inventor

Robert G. H. Dillon

By Attorney *Herbert W. Jenner*

UNITED STATES PATENT OFFICE.

ROBERT GARRET HARVEY DILLON, OF LONG POINT, CANADA.

HAND WHEEL-CULTIVATOR.

SPECIFICATION forming part of Letters Patent No. 543,378, dated July 23, 1895.

Application filed October 25, 1894. Serial No. 527,092. (No model.)

To all whom it may concern:

Be it known that I, ROBERT GARRET HARVEY DILLON, a subject of the Queen of England, and a citizen of the Dominion of Canada, residing in the municipality of Long Point, in the county of Hochelaga, in the Province of Quebec, Canada, have invented certain new and useful Improvements in Hand Wheel-Cultivators, of which the following is a specification.

The accompanying drawing is a perspective view of a weeding-machine embodying my invention.

A is the frame of a weeding-machine made in form of an arch to admit of the plants to be cultivated clearing the parts of the device.

B B are ordinary wheels suitably journaled to the frame.

C C are the lower ends of the frame A in which handles D D are articulated to move laterally.

d d are adjusting-pins entering in the holes e e e to regulate the depth of the travel of the hoes F F.

E is a shaft having two of its branches g g articulated to the apex of the frame at about five feet over the ground.

G is a collar-strap fastened to the branches f f of the shaft E to assist the man in propelling the machine.

The strap G passes over the back of the neck of the operator and is secured to the parts f under his arms. In pushing the cultivator along the chest of the man is wholly relieved from strain and pressure. All the pressure of the strap comes upon his shoulders and tends to expand his chest, making his labor healthful and beneficial rather than injurious.

The attachment of the shaft E to the frame of the machine at a point substantially level with the chest of the operator renders it very easy to push the machine along, as no force is expended in pressing the wheels against the ground, as would be the case if the shaft E were pivoted to the lower part of the cultivator-frame.

What I claim is—

1. The combination, with a wheeled cultivator provided with an arched-shaped frame A extending upwardly to a point substantially level with the chest of the operator; of the pushing shaft E pivoted to the top of the said frame and provided with branches f; and the strap G extending over the back of the neck of the operator, holding the branches f in his arm pits, and operating to receive all the pushing strain, substantially as set forth.

2. The combination, with a wheeled cultivator provided with an arch-shaped frame A extending upwardly to a point substantially level with the chest of the operator; of the laterally movable handles D pivoted to the lower part of the said frame and supporting the hoes F; the pushing shaft E pivoted to the top of the frame and provided with branches f; and the strap G extending over the back of the neck of the operator, holding the branches f in his arm pits, and operating to receive all the pushing strain, substantially as set forth.

ROBERT GARRET HARVEY DILLON.

Witnesses:

J. A. MORIN,

A. PAGE.