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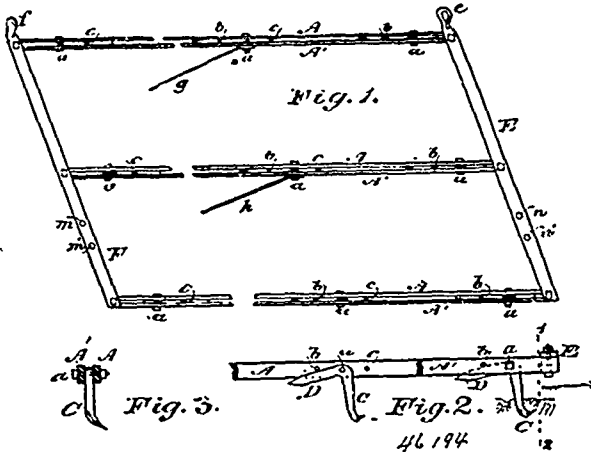
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INVENTIONS PATENTED.

NOTE.—Patents are granted for 15 years. The term of years for which the fee has been paid, is given after the date of the patent.

No. 46,194. Combined Harrow and Scarifier. (Herse et scarificateur combinés.)



C. A. E. W. Clark, Welland, Ontario, Canada, 1st June, 1894; 6 years.

Claim.—1st. In a harrow or scarifier, the combined pivoted teeth C, D, the portion C, of the tooth being shaped to act for the purpose of scarifying, and the portion D, to act for the purpose of harrowing, substantially as herein described. 2nd. In a harrow or scarifier, the combined pivoted teeth C, D, in combination with the bolts or stops b and c, substantially as described and for the purposes set forth.

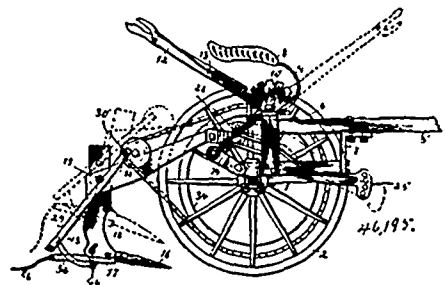
No. 46,195. Potato Digger.

(Scarificateur à patates.)

Alfred Olmsted, Byron, New York, U.S.A., 1st June, 1894; 6 years.

Claim.—1st. The combination with the main frame and the supporting wheels, the share, its frame and the connected draft bar, having means for the direct attachment of the horses, loosely engaging the under side of the main frame, of the links pivoted to the main frame for moving the share on the links, substantially as described.

scribed. 2nd. The combination with the main frame, the supporting wheels, the links pivoted on the frame and the bar connecting them, of the share frame pivoted on said bar and laterally adjust-



able thereon, substantially as described. 3rd. The combination with the main frame, the supporting wheels, the links pivoted thereon, the bar connecting the links, of the plate journalled on the bar, the share frame mounted thereon, having the share and the draft bar, having means for the direct attachment of the horses extending forward and loosely engaging the under side of the main frame and lifting devices for the share frame, substantially as described. 4th. The combination with the axle, the wheels, the main frame composed of the parts 3 and 4, arranged in front of the axle, and the tongue connected thereto, of the share, and share frame pivoted in rear of the axle on links connected to the main frame, the draft bar extending beneath the frame forward of the axle and having means for the direct attachment of the horses and lifting devices on the main frame for adjusting the share frame, substantially as described. 5th. In a potato-digger, the combination with the wheels, the share or shovel, having a series of stationary rearwardly projecting fingers thereon, of an oscillating shaft arranged beneath the share, having a series of movable separating fingers projecting and movable upwardly between the stationary fingers on the share, and means for oscillating said shaft, substantially as described. 6th. In a potato digger, the combination with the wheels and the share or shovel, having the rearwardly projecting stationary fingers, of the two oscillating shafts arranged beneath the share, each having fingers projecting in rear thereof, and extending between those on the share and connections between said shafts and the wheels for causing their independent oscillation, substantially as described. 7th. In a potato-digger, the combination with the axle, the supporting wheels, having the sprocket wheels thereon, of the share frame, embodying the standards cross-bar and share, the two oscillating shafts on the cross-bar having rearwardly projecting fingers, the sprocket wheels on the share frame, having the wrist pins, the pitmen connected to the wrist-pins and to the oscillating shafts, and the chains connecting the sprockets on the supporting wheels with those on the share frame, substantially as described. 8th. The combination with the axle, the wheels, the main frame extending forward of the axle, and the tongue connected thereto, of a draft bar extending over the axle and beneath the forward portion of the main frame, the share, the share frame connected to the bar, the links pivoted to the main frame in rear of the axle, and below the connection with the share frame whereby the thrust on the links will be longitudinal, and lifting devices on the main frame for adjusting the share frame, substantially as described. 9th. In a potato digger, the combination with the share, having the stationary fingers projecting to the rear and the trailing rods