

No. 104,162.

PATENTED JUNE 14, 1870.

D. B. JONES.  
ROAD SCRAPER.

Fig. 1.

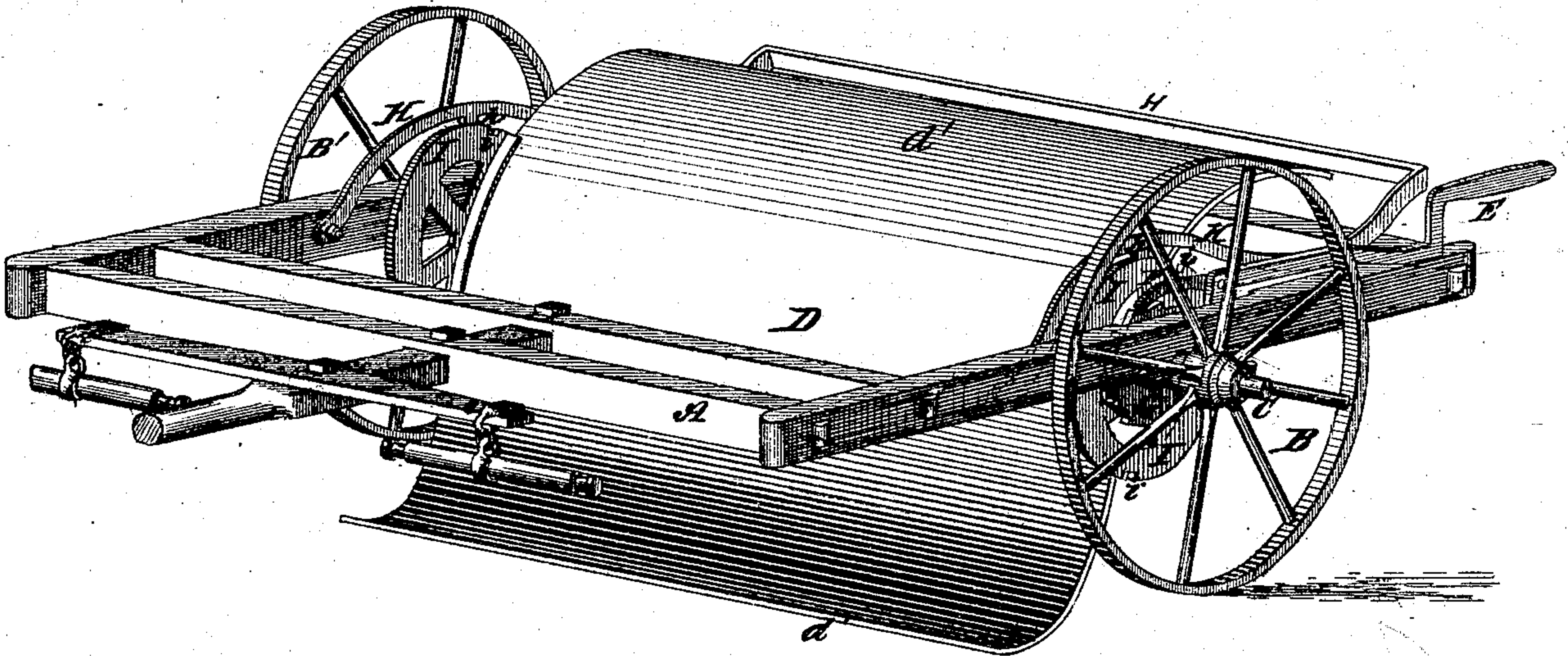


Fig. 2.

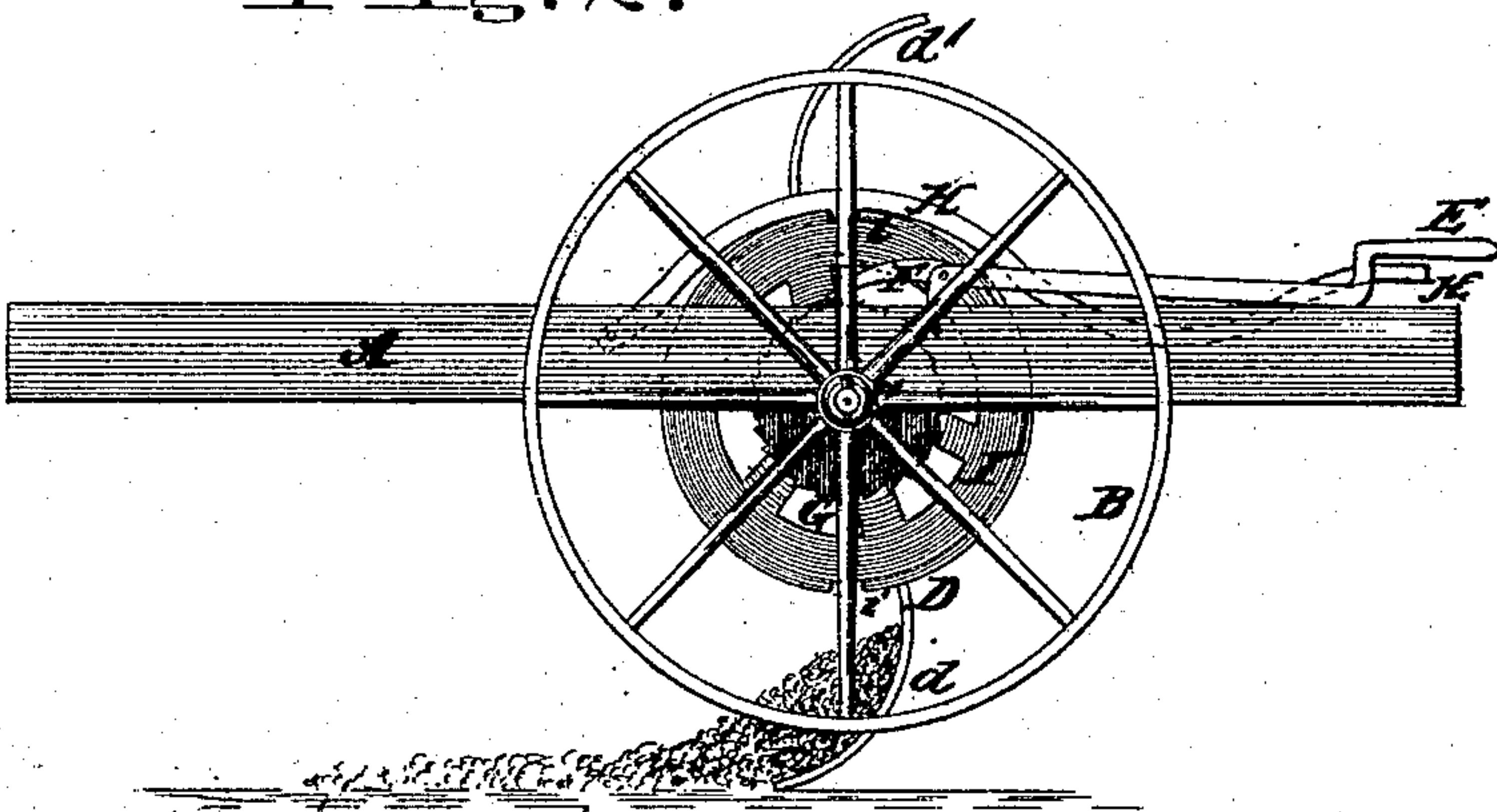
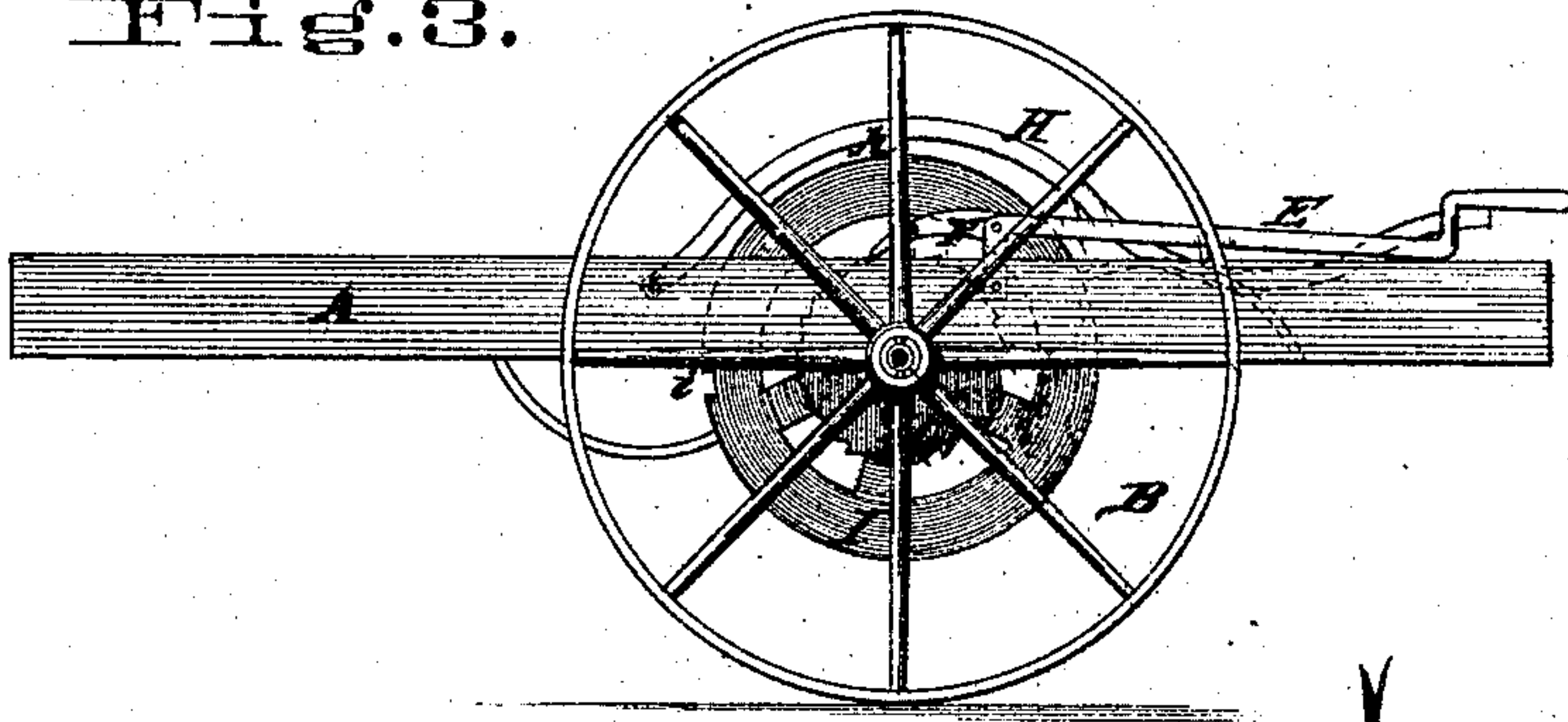


Fig. 3.



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DANIEL B. JONES, OF WOOD STATION, OHIO.

Letters Patent No. 104,162, dated June 14, 1870; antedated June 3, 1870.

## IMPROVEMENT IN ROAD-SCRAPERS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, DANIEL B. JONES, of Wood Station, Butler county, State of Ohio, have invented a certain new and useful Improvement in Road-scraping Machines; and I do hereby declare the following to be a sufficiently full, clear, and exact description thereof to enable one skilled in the art to which my invention appertains to make and use it, reference being had to the accompanying drawing making part of this specification.

My invention consists, in connection with a reversible scraper, mounted on wheels, of certain devices for securing the scraper in the requisite position for work, with the wheels off the ground; and also in devices for tipping the scraper, depositing the dirt on the ground, and returning the machine to the wheels for easy transportation.

In the accompanying drawing—

Figure 1 is a perspective view of a machine embodying my invention.

Figure 2 exhibits the same in side-elevation, in position for scraping.

Figure 3 is a side elevation of the machine in position for transportation.

The machine is designed for scraping off earth in the formation of road-beds, for excavating purposes, and for cleaning roads and streets.

The frame A of the machine is mounted on the wheels B B, and provided with shaft, &c., for the attachment of horses, as shown.

The trunnions or axles C, on which the scraper D revolves, form the axles of the wheels B B', being provided with suitable journal-bearings in the frame A.

The wings *d d'* of the scraper D are curved, as shown, the whole approaching the form of a letter S, in order that the blades may be reversed and either used at will.

The extreme distance across the wings *d d'* is much greater than the diameter of the wheels B B', in order that the wheels may not touch the ground when the scraper is in position, as seen in fig. 2.

The machine is forced into this position by means of lever E, pawl F, and ratchet-wheel G, and securely retained by the hinged lever or arm H, provided with projections *h*, which fit into notches *i* in the plates I.

The plates I and ratchet-wheel G are firmly secured to the scraper D.

When sufficient earth has been collected in the curved face of the scraper it can be deposited in a heap on the ground, by simply releasing the lever H from the notches *i*.

The machine then passes forward on the wheels, and the scraper can, if necessary, be brought to the position shown in fig. 3.

It will be seen that the design and construction of the machine are such that it is not likely to get damaged or deranged in use, and is so simple as to be easy to manipulate.

The adjusting and securing devices are devised and arranged with a view to fewness of parts and strength.

I claim as new and of my invention—

In the described connection with a road-scraping machine mounted on wheels and embodying a swiveling scraper; D, the wheel G, pawl F, lever E, notched plates I *i*, and lever H *h*, the whole being arranged substantially in the manner and for the purpose specified.

In testimony of which invention I hereunto set my hand.

DANIEL B. JONES.

Witnesses:

FRANK MILLWARD,  
J. L. WARTMANN.