

(No Model.)

L. D. YORK.
ROAD SCRAPER.

No. 251,683.

Patented Dec. 27, 1881.

Fig:1.

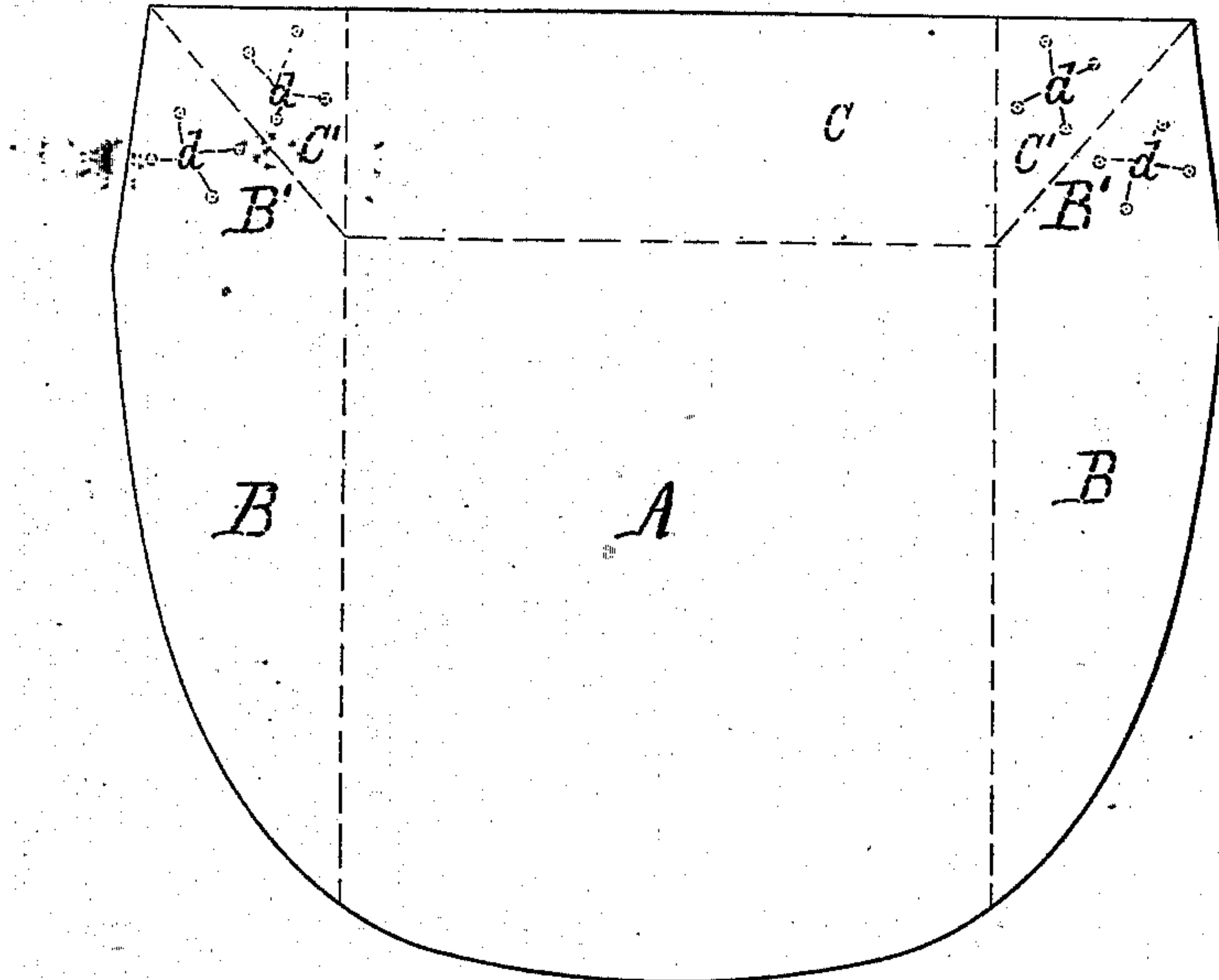


Fig:2.

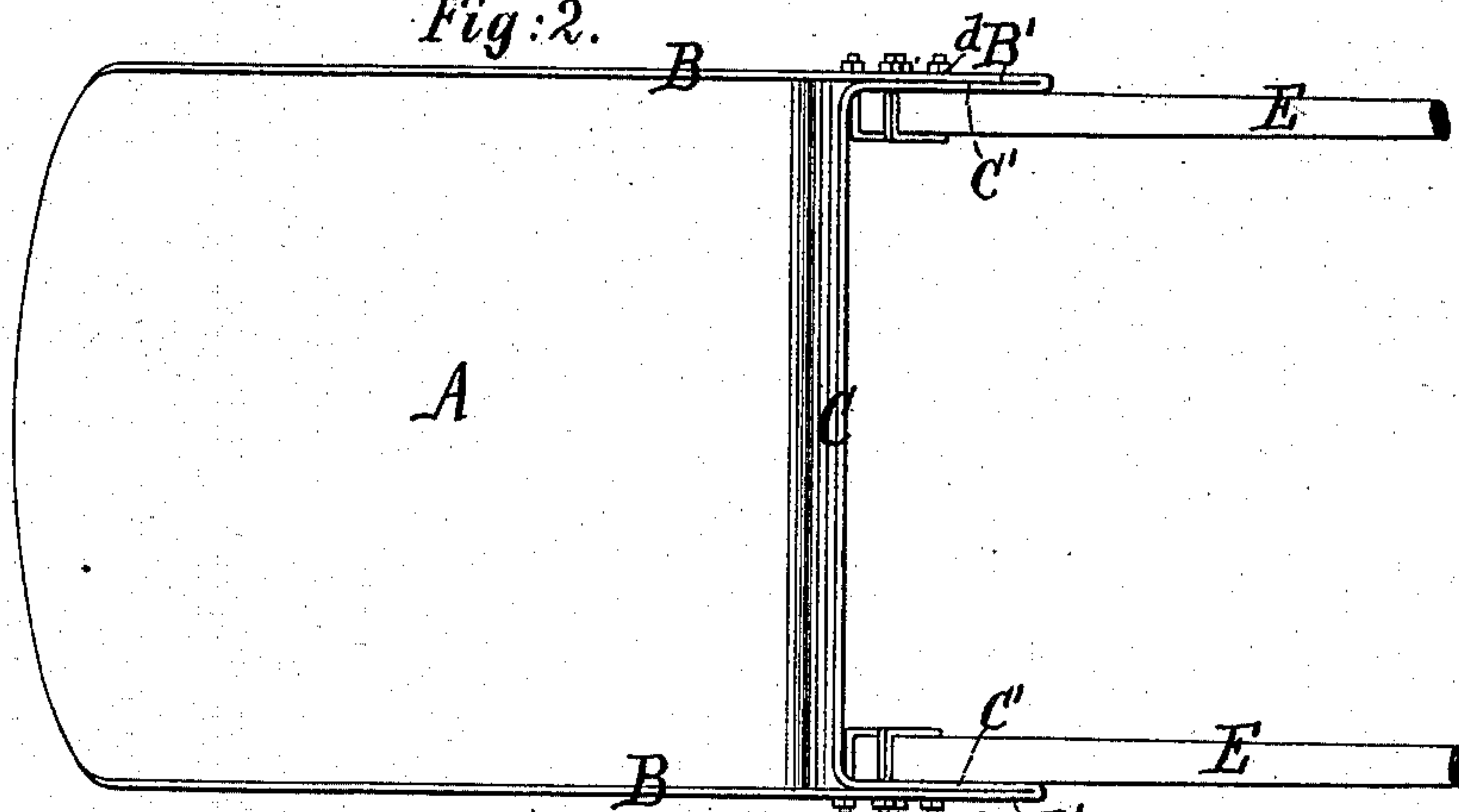
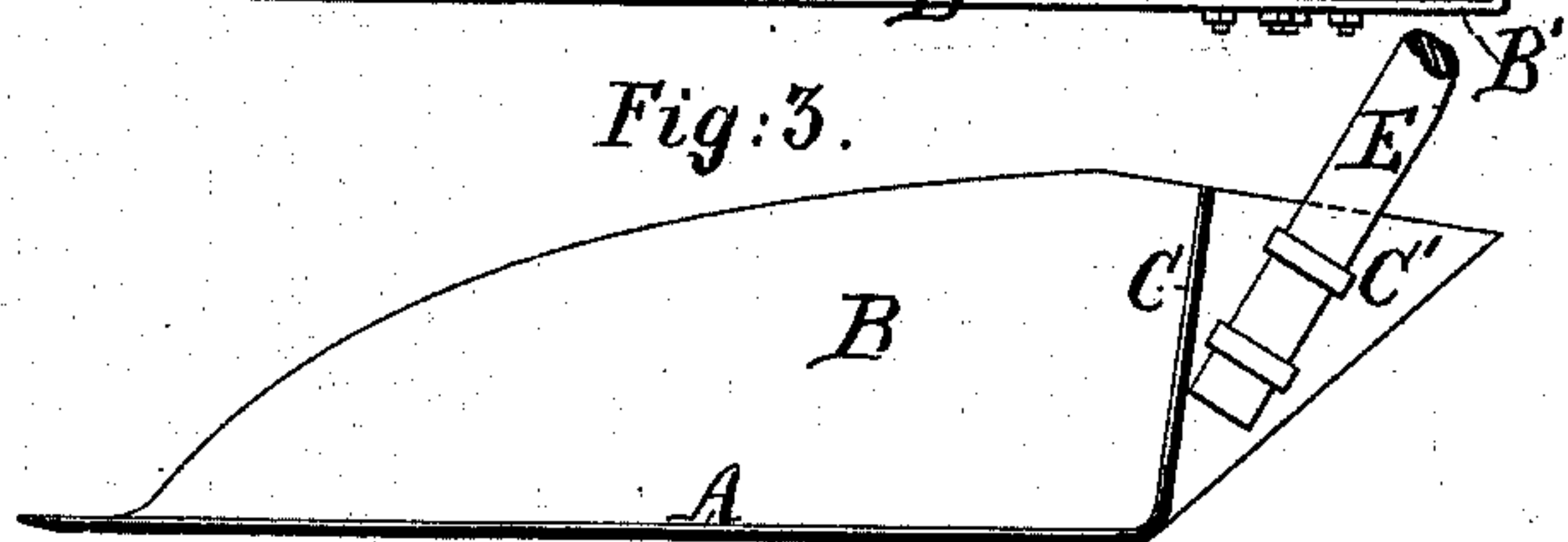


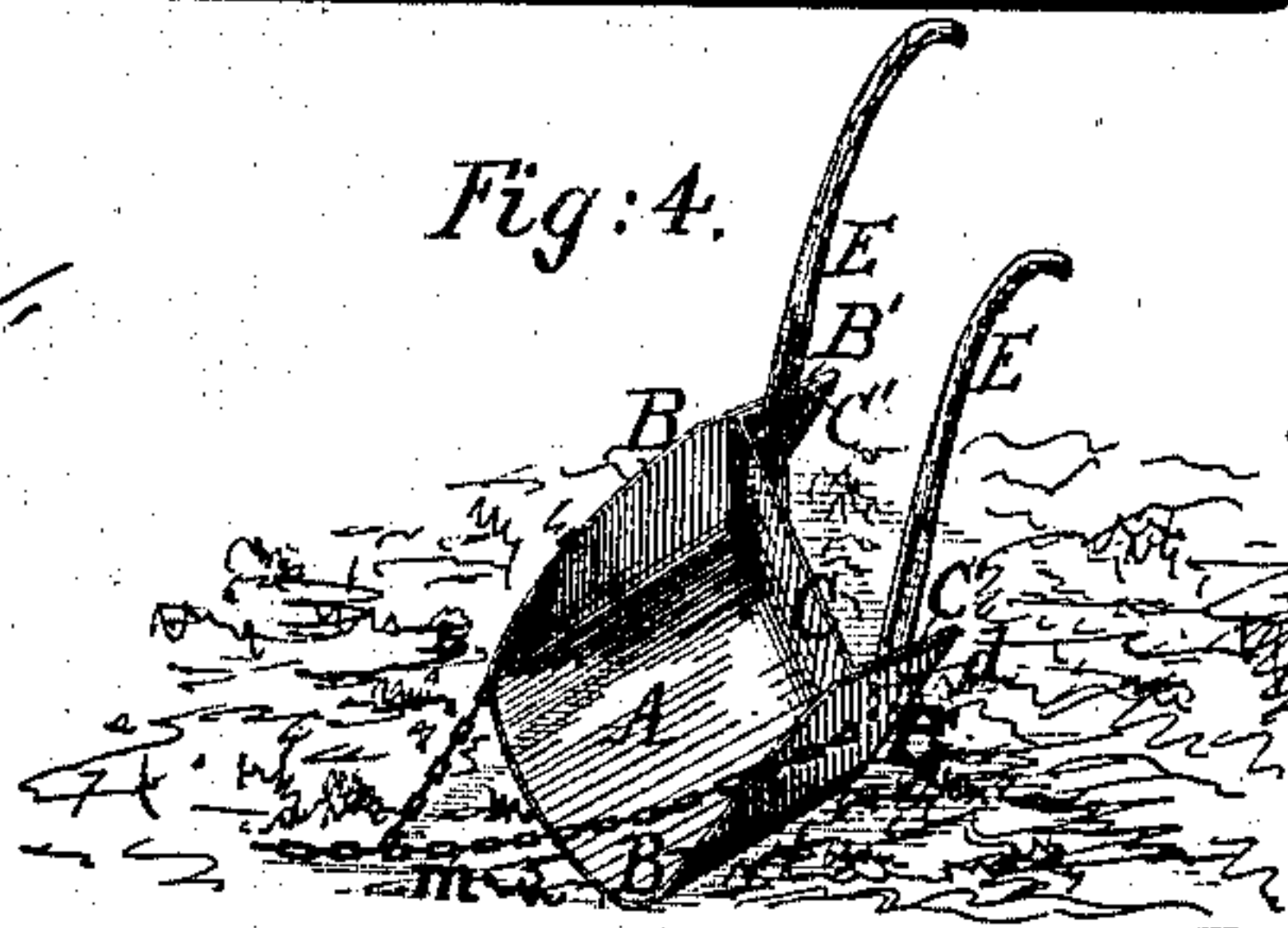
Fig:3.



Witnesses:

B. E. O. Grafford.
Charles H. Seale,

Fig:4.



Inventor.

L. D. York
by his attorney
Thomas D. Seaton

UNITED STATES PATENT OFFICE.

LEVI D. YORK, OF PORTSMOUTH, OHIO.

ROAD-SCRAPER.

SPECIFICATION forming part of Letters Patent No. 251,683, dated December 27, 1881.

Application filed September 6, 1881. (No model.)

To all whom it may concern:

Be it known that I, LEVI D. YORK, of Portsmouth, in the county of Scioto and State of Ohio, have invented certain new and useful
5 Improvements relating to Road-Scrapers, of which the following is a specification.

What is here termed a "road-scraper" is the well-known implement for conveniently taking up and transporting sand and other loose earth
10 to short distances by animal power, being simply drawn over the ground and caused to scrape up earth at one point and to dump it at another. It is important that the device be light, strong, and cheap. I make the entire body of
15 the scraper from a single piece of rolled steel or hard iron of proper thickness, the blank being formed by cutting and bending. I avoid cutting any portion of the blank. The bent or folded portion at the rear of the scoop-shaped
20 structure serves for attaching the handles.

The accompanying drawings form a part of this specification, and represent what I consider the best means of carrying out the invention.

25 Figure 1 shows the sheet of metal cut into proper shape for forming the scraper, but before it is bent. The dotted lines indicate the direction in which it is bent up. Fig. 2 is a plan of the scraper; Fig. 3, a longitudinal section; and Fig. 4 is a perspective view of the
30 same on a smaller scale.

Similar letters of reference indicate like parts in all the figures.

The entire sheet before bending is marked
35 A. A is the bottom and main effective portion. B B are the bent-up portions which form the sides. C is the bent-up portion which constitutes the back, and B' C' are folded portions extending rearward from each side of the
40 back. Holes *d* are punched or otherwise pro-

duced in the latter, and receive bolts or rivets, which strongly and rigidly secure thereto suitable handles, E, by which the scraper is controlled by the attendant. The chain or other attachment by which it is drawn is indicated
45 by *m*, and may be attached in the ordinary manner.

The scraper serves in the ordinary manner, and performs its ordinary functions. The great strength and lightness due to its manufacture
50 from a single piece add materially to its usefulness for repairing roads, digging cellars, and all the purposes for which this class of implements is used.

The attachment of the handles is unusually
55 reliable, and in no way interferes with the uses of the device.

Modifications may be made. The width and height relatively to the length may be varied. The form of the outline of the structure may
60 be modified within wide limits. The handles may be braced across. The point of attachment of the chain *m* may be varied.

I claim as my invention—

1. A road-scraper formed from a single piece
65 of metal by folding, as herein specified.

2. A road-scraper formed from rolled metal in a single piece without cutting and having the folded portions B' C' extending backward
70 from the sides, in combination with the handles E, as herein specified.

In testimony whereof I have hereunto set my hand, at Portsmouth, Ohio, this 2d day of September, 1881, in the presence of two subscribing witnesses.

LEVI D. YORK.

Witnesses:

THOS. C. ANDERSON,
J. A. WARNER.