(No Model.)

W. HASLUP.

EARTH SCRAPER.

No. 284,418. Patented Sept. 4, 1883.

Fig. 1.

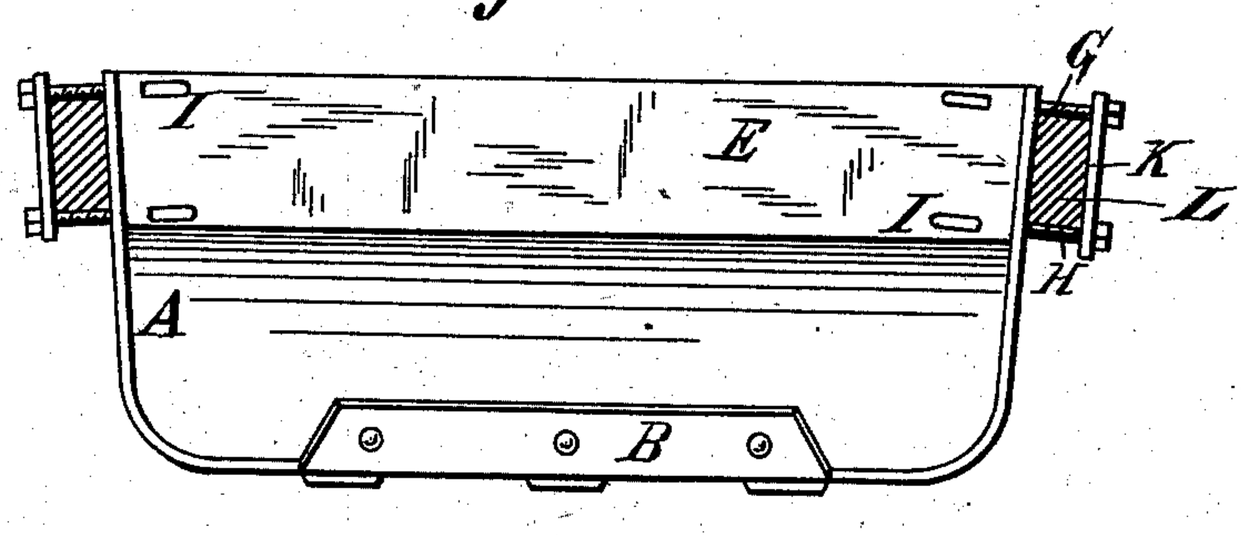


Fig. 2.

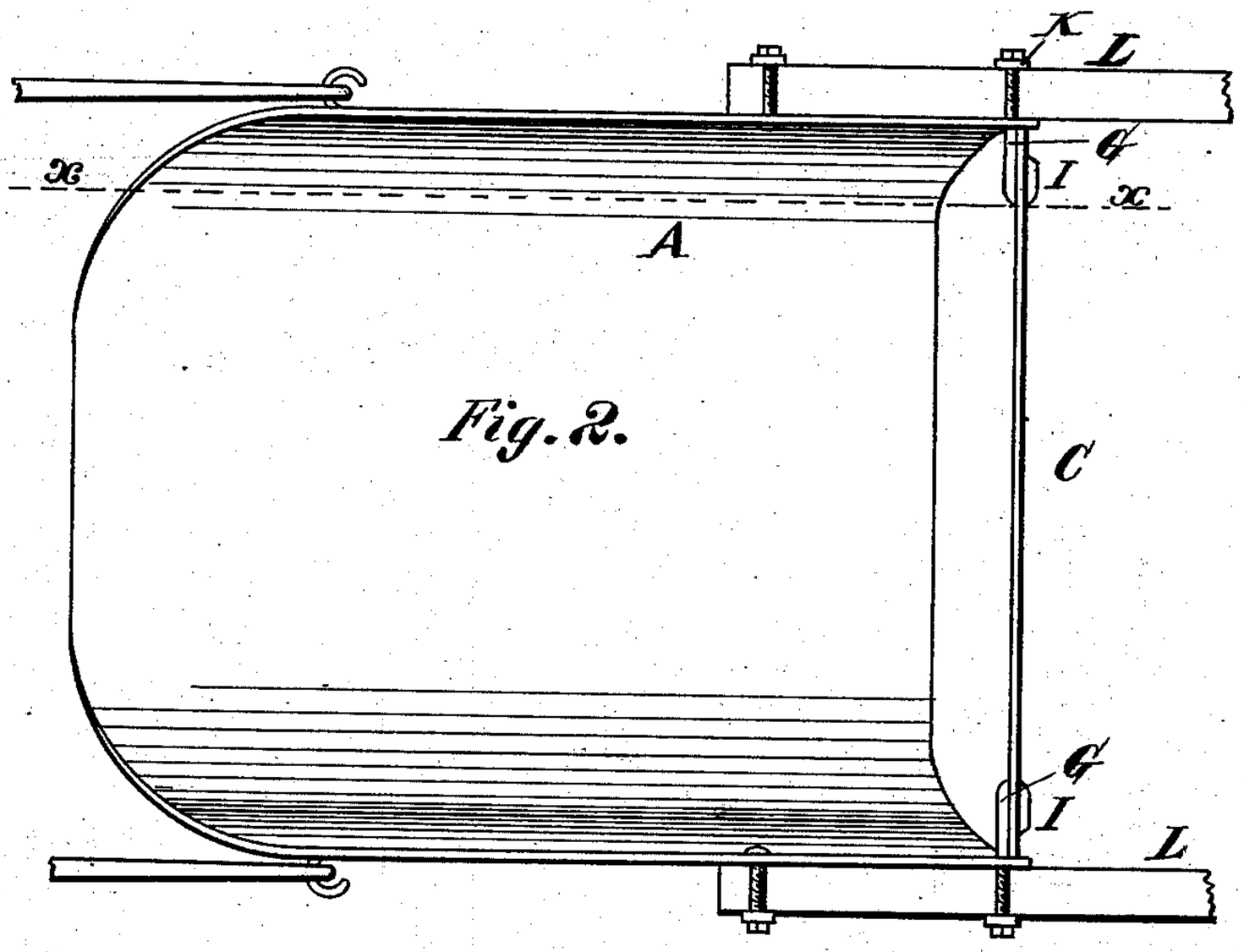
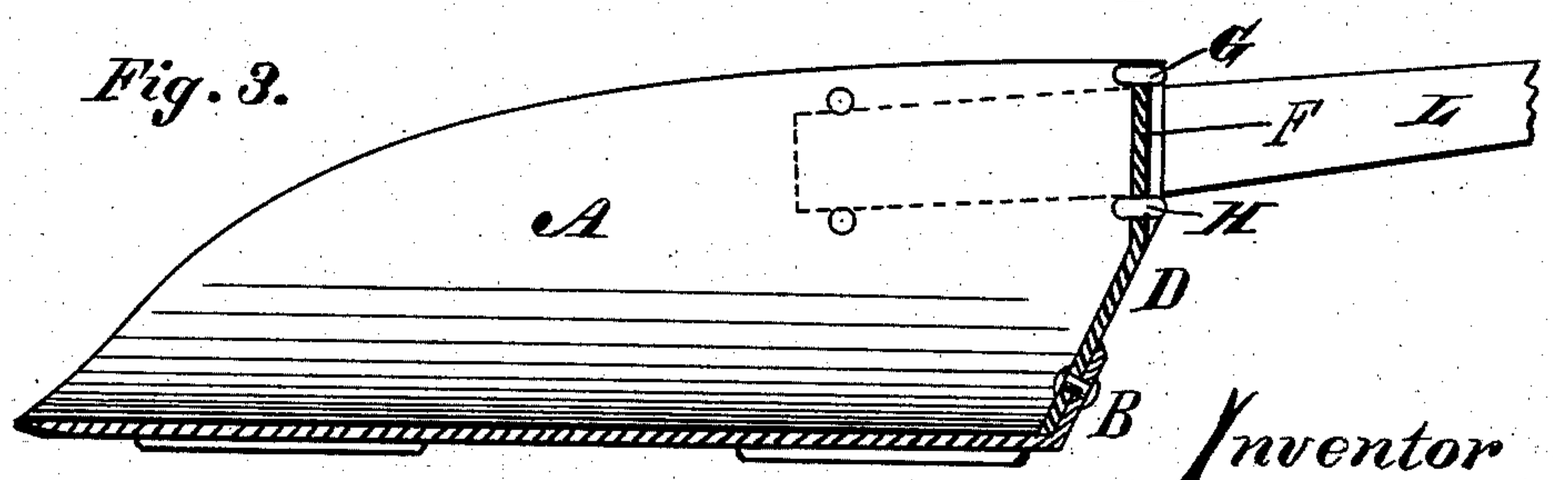


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM HASLUP, OF SIDNEY, OHIO.

EARTH-SCRAPER.

SPECIFICATION forming part of Letters Patent No. 284,418, dated September 4, 1883.

Application filed June 26, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HASLUP, a citizen of the United States, and a resident of Sidney, in the county of Shelby and State of Ohio, have invented certain new and useful Improvements in Earth-Scrapers, of which the following is a specification.

My invention relates to an improvement in road-scrapers.

The object of my invention is to make a cheap, strong, and durable scraper, and one which will fill easily in use.

Another object of my invention is to provide suitable means for securing a sheet-metal back to the sides of the scraper, and also to so construct the back that a single piece of sheet metal may be employed, so shaped and secured that it will be firm and durable, dispensing with tie-rods and wooden backs, which are more common in this class of bent metal scrapers, all of which will be fully set forth in the description of the accompanying drawings.

In the drawings, Figure 1 is a rear end elevation, with the handles in section; Fig. 2, a top plan view, and Fig. 3 a sectional view, on the line *x x* of Fig. 2.

A represents the body of the scraper, which is made of sheet metal, cut and bent so as to form the sides and bottom of but one piece of metal, as shown in previous Letters Patent granted to me.

B represents an upturned flange at the rear end of the bottom, which is of the same piece of metal as the body A.

C represents the back, which is also made of sheet metal, the lower portion of which, D, is considerably inclined forward from a vertical line, and riveted to the flange B, and the upper portion, F, of the metallic back is bent to more nearly a vertical line.

It is essential to have the sections F and D of the back shaped to form an angle one to the other, as such shape is materially stronger or stiffer than where the metal is straight, and possesses considerable advantages over the curved back, as the latter is difficult to bend, fit, and secure to the bottom and sides of the scraper. The angle portion D of the back aids in filling the scraper, being inclined forward, as shown in Fig. 3. The dirt rises or fills up against the back board more readily than when straight backs are used.

Instead of having the flange B made of the same piece of metal as the body A, it could be made of a separate angle-piece, and riveted onto the top side of the bottom A; but the form here shown is the best.

Another feature of my invention (shown in the drawings) is the mode of connecting the metallic back to the sides of the scraper through the medium of hook-bolts, which are preferably made to act in combination with a clamp-bar, by means of which the handles are tightened and held in position.

G H represent hook-bolts, the inner ends of which hooks pass through the perforations in the back F, and are bent over to lie down against the metal, as shown at I, thereby securely tying the metal to the sides of the scraper. When the clamp-bar K is tightened by nuts to fasten and secure the handles L, these hook-bolts, together with the flange B, form effective means for securing the metal back C firmly and rigidly to the body of the scraper.

By means of these features of attachment a sheet-metal back becomes stronger and more durable than wooden back boards, avoiding the danger of splitting, and dispensing with tie-rods or other longitudinal means of bracing, usually employed with wooden-back scrapers.

I claim—

1. In combination with the sheet-metal body A, having the flange B, the angle back D F, secured to the sides and body of the scraper, substantially as herein set forth.

2. In combination with a bent metal scraper, the hook-bolts G H, secured to the back and sides, substantially as herein set forth.

3. A scraper composed substantially of the bent metal body A, metallic back C, hook-bolts G H, and handles L clamped thereto, substantially as herein set forth.

In testimony whereof I have hereunto set my hand.

WILLIAM HASLUP.

Witnesses:

W. H. THOMPSON,

D. OLDHAM.