

T. V. COOK.

Truck for Transporting Stone.

No. 72,806.

Patented Dec. 31, 1867.

Fig. 1

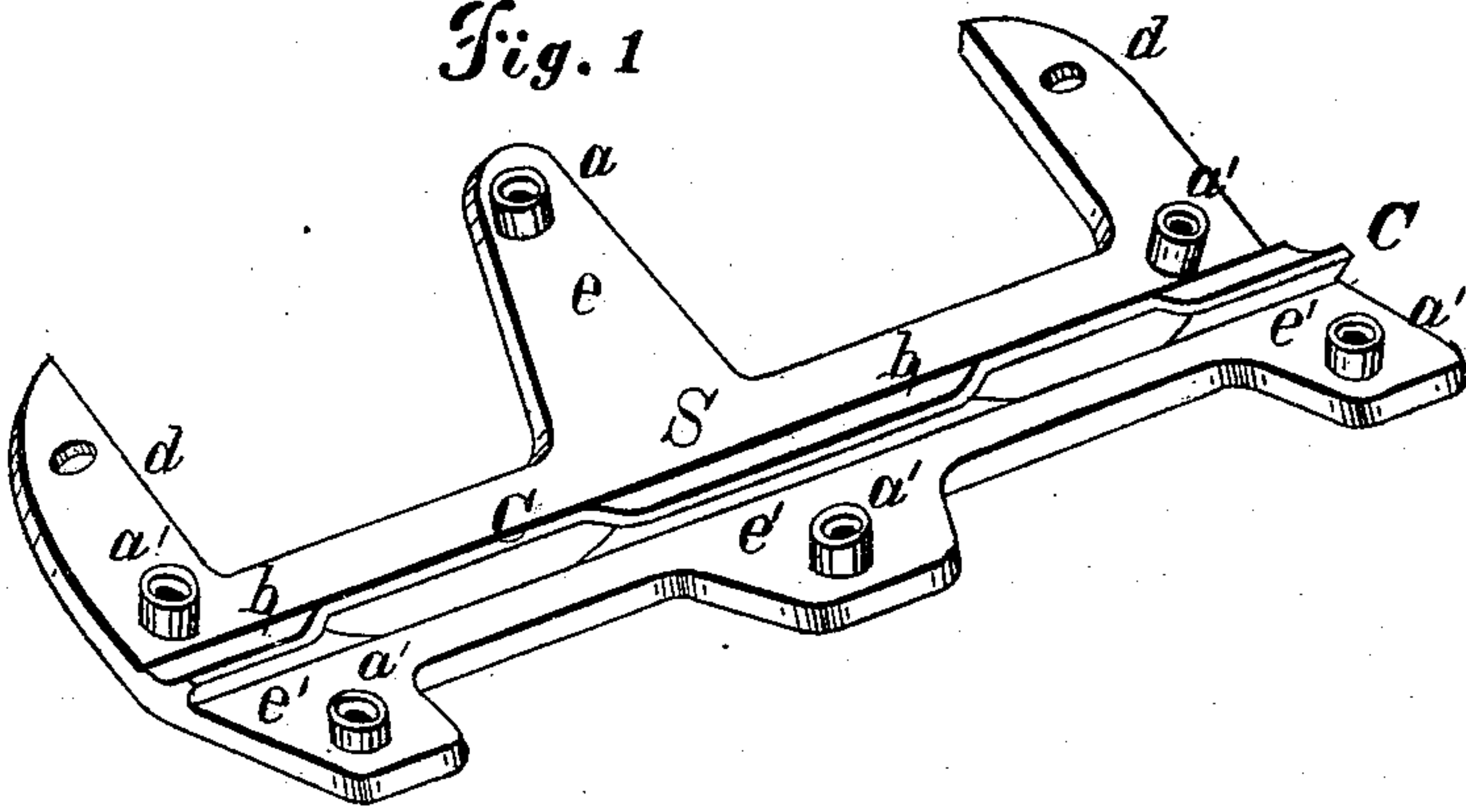
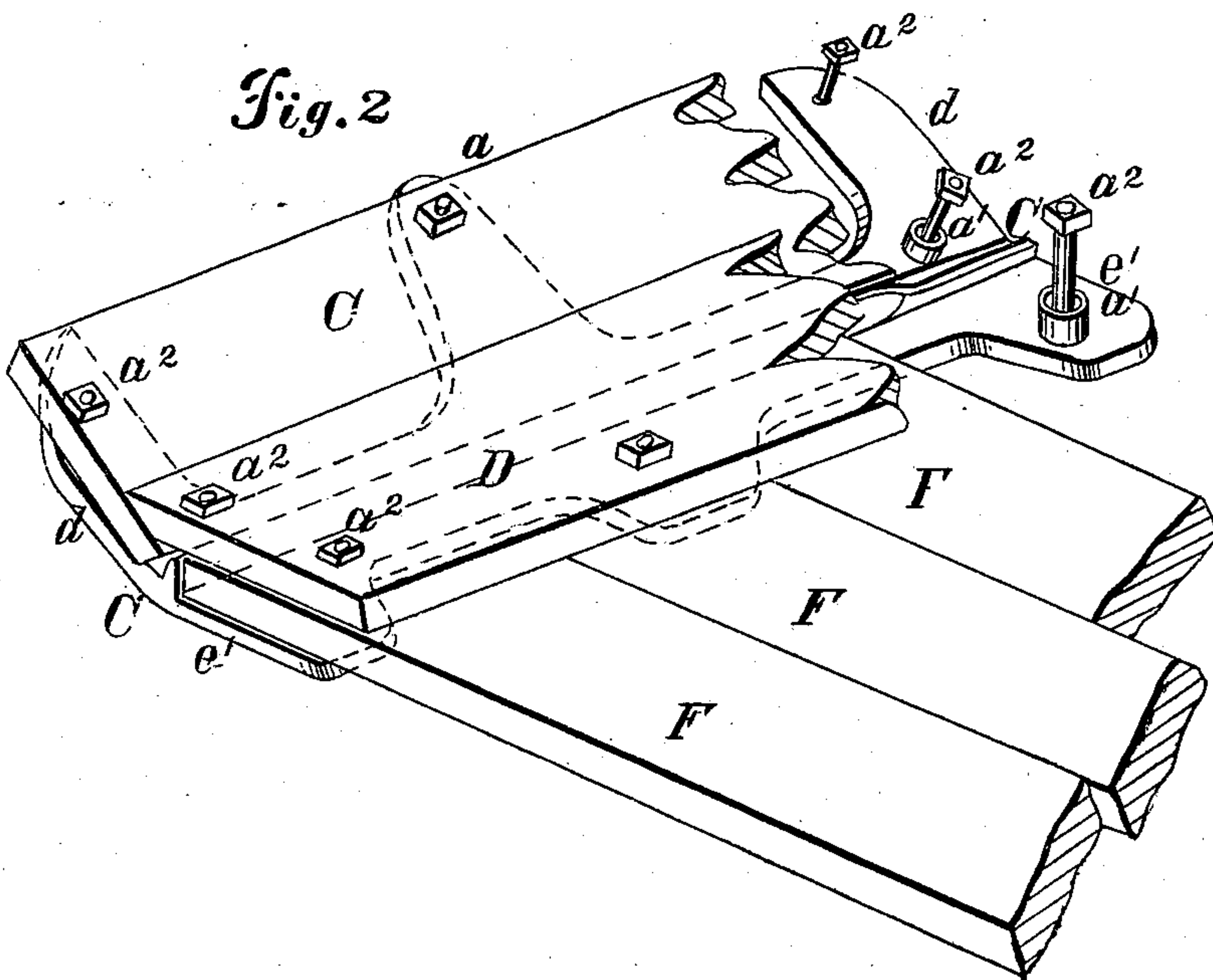


Fig. 2



Witnesses.

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THOMAS V. COOK, OF LANESBORO, PENNSYLVANIA.

Letters Patent No. 72,806, dated December 31, 1867.

IMPROVEMENT IN TRUCK FOR TRANSPORTING STONE.

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, THOMAS V. COOK, of Lanesboro, in the county of Susquehanna, and State of Pennsylvania, have invented a new and improved Stone-Boat; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved method of constructing stone-boats, or other apparatus for drawing stone or other material upon the ground, whereby the same are rendered much more strong and durable. It consists of a cast-iron shoe, in proper form, provided with suitable uprights or plank-holders, to which are fitted planks or similar supports for stone or other material, said planks being bolted to the said shoe in such a way as to form a very strong and durable apparatus for the drawing of stone or other materials upon the ground. In the accompanying plate of drawings—

Figure 1 is a perspective view of the shoe.

Figure 2 is a perspective view of the same, with the planking attached, portion of the said planking being shown as broken away to show the manner of securing the same to the shoe.

Similar letters of reference indicate corresponding parts.

s is the cast-iron shoe. *d* are the wings of the same, inclining upwards, to which the plank *C* is secured. *e* is a tongue, being part of the shoe *s*, to which the chain by which the same is drawn is attached. *e'* are the back wings of the shoe *s*, resting on the ground. *a* is a plank-holder on tongue *e*, through which passes the chain, by means of which the whole is drawn. *a'* are plank-holders, for holding planks *C* and *F*. *c* is a nib on shoe *s*. *a²* are bolts to secure the planking on shoe *s*. *C* is the front plank. *D* is the top plank. *F* are the back planks. The shoe *s* is made of cast iron, in one piece, in the form shown in the drawing, and consists of a ridge-piece or nib, *c*, and the back wings or projections *e*, projecting at right angles to the ridge-piece *c*, and rests upon the ground. Said shoe, *s*, consists also of the front wings or projections *a* and *d*, as shown in the drawing, at right angles also to the ridge-piece *c*, said wings or projections *a* and *d* being slightly inclined upward from the ground, so as that the shoe will slide over any obstructions with which it meets in being drawn along upon the same. Upon the wings *e'* and the wings *d*, and wing or tongue *e*, and near the end of the same, and cast upon the same, are the starts or uprights *a* and *a'*. Upon said starts *a* and *a'*, the planking of the stone-boat is fitted, so as that the same will not work sidewise or forward or backward, said starts being provided, on the inside of the same, with holes to receive the bolts *a²*, which secure the planking to the shoe *s*, and the chain, by means of which the shoe is drawn, the object of which is that the planking may be kept in place by said starts or uprights *a* and *a'*, and also so as not to be injured by the working of the same on the bolts *a²*, (the bolts *a²* serving only to hold the planking down upon the shoe *s*,) and also to prevent the chain, by means of which the stone-boat is drawn, from drawing directly upon the planking, and also to afford a stronger and more durable attachment for said chain. Upon the wings or projections *e* and *d*, fitted upon the uprights *a* and *a'*, as above described, is the plank *C*, the edge of the same resting against the ridge-piece *c*. Upon the wings *e'*, and fitted upon the starts *a'*, as above described, so that the ends of the same will rest or bear against the ridge-piece *c*, as shown, is any convenient number of planks, *F*, of any desired length, to form a stone-boat as long as may be required. Upon and across the planks *F*, and so as that one edge of the same will lap on to the plank *C*, and parallel thereto, is the plank *D*, as shown. The starts *a* and *a'* have holes drilled centrally through the same, and through the shoe *s*, to receive the screw-bolts *a²*, said holes being countersunk in the under side of said shoe *s*, to receive the heads or nuts of said screw-bolts *a²*, so as to present a smooth surface to the ground. The planks *C*, *D*, and *F*, placed as above described, are bolted firmly down upon the shoe *s* by the screw-bolts *a²*, as shown. Through the start *a*, in the projection *e*, and through the plank *C*, is any convenient attachment, by means of which any chain is attached to the stone-boat, by means of which the same is drawn. The shoe *s* may be of any convenient length, so as to give any required width to the stone-boat. The wings or projections *e* and *d* are rounded on the under side, so as to present as little resistance as possible to the ground, and so as to slide easily over any obstructions in the way of the same while being drawn. Stones or other materials are loaded upon the stone-boat in the ordinary way, the same being supported by the planking, *C*, *D*, and *F*.

The stone-boat may be made of any convenient width and length, and, constructed as above described, it

constitutes a cheap and durable stone-boat, the advantages of which are that the same may be made of any planks, in combination with a cast-iron shoe, and that the said shoe, presenting less resistance to the ground, the same is easier drawn when loaded.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

1. A metallic shoe, s, with front and back wings or projections, or their equivalent, bent so as to form an angle with each other, or to form a bend, substantially as shown and described, and for the purposes set forth.

2. The shoes, in combination with the planks C, D, and F, substantially as shown and described, and for the purposes set forth.

3. A stone-boat, composed of the shoe s and any planking, substantially as shown and described, and for the purposes set forth.

The above specification of my invention signed by me, this 1st day of November, 1867.

THOMAS V. COOK.

Witnesses:

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