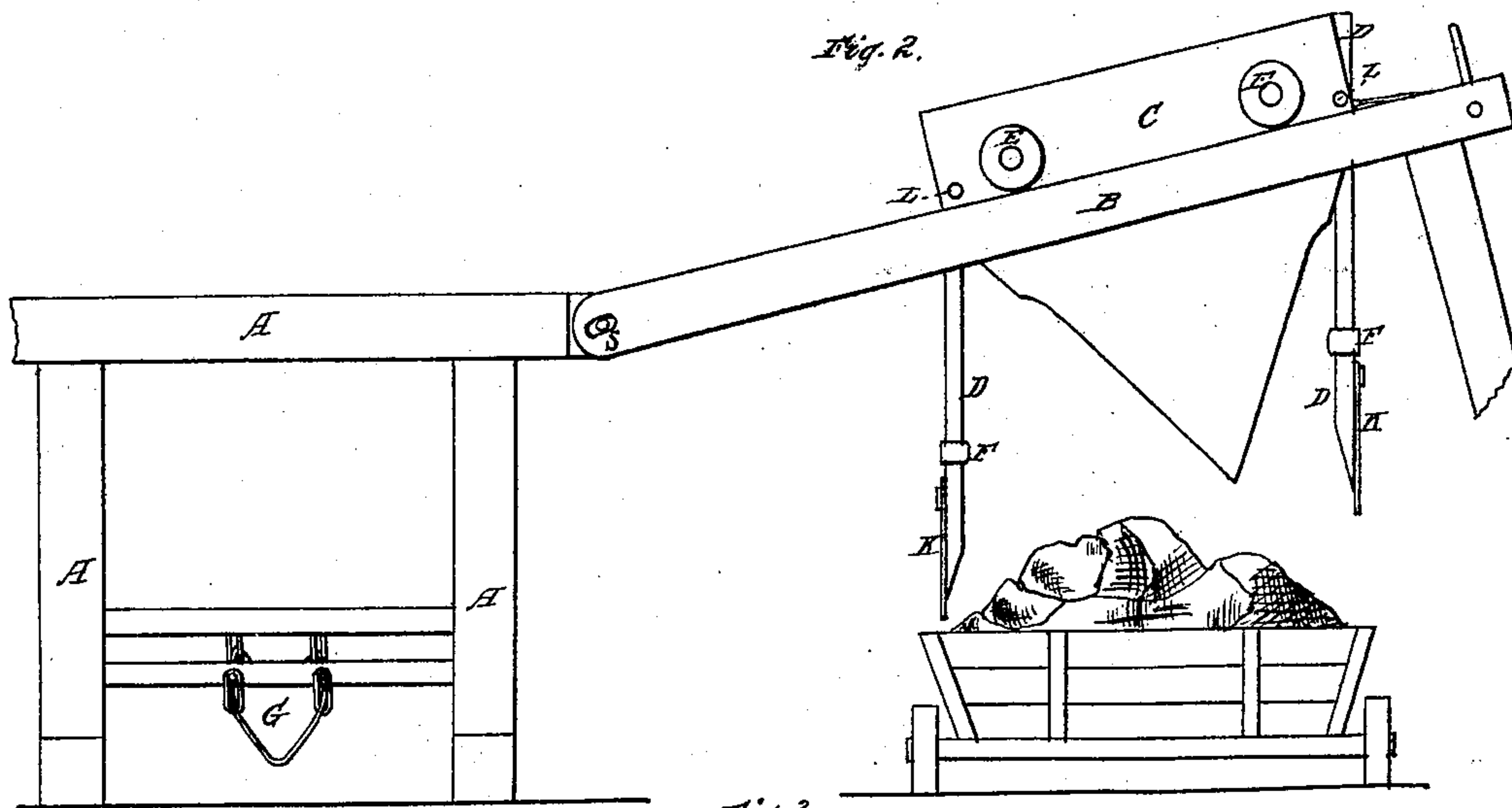
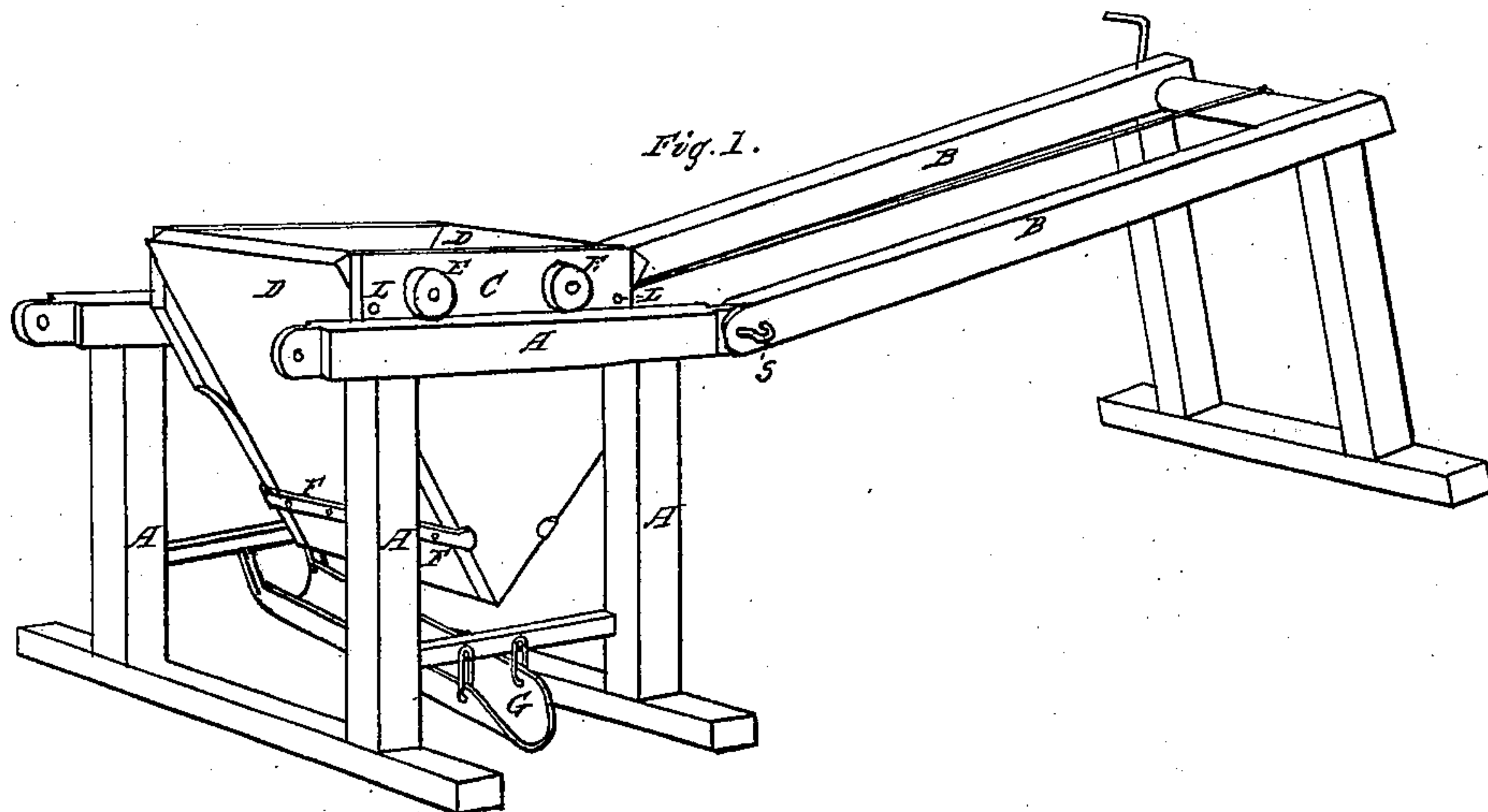


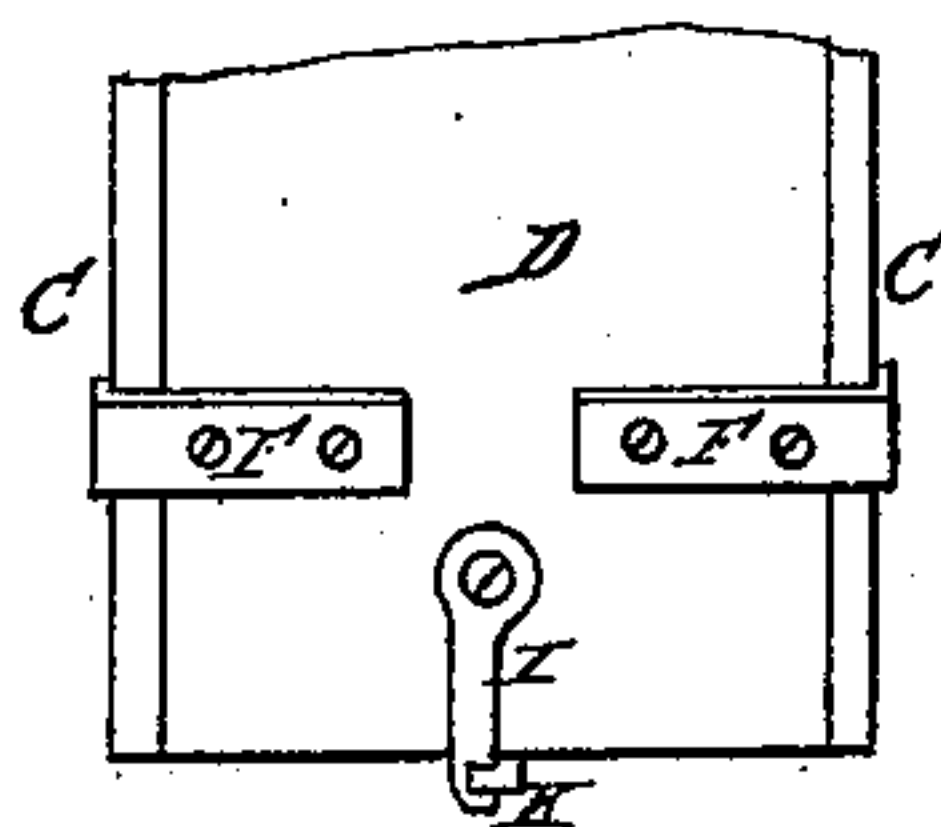
*T. H. Baker.*  
*Leaching Vat.*

*N<sup>o</sup> 87,235.*

*Patented Feb 23, 1869.*



*Fig. 3.*



*Witnesses:*

*R. S. Turner.*  
*J. S. Brown.*

*Inventor.*

*Thos. H. Baker*  
*By his atty R. D. Smith*

# United States Patent Office.

THOMAS H. BAKER, OF SPRINGFIELD, OHIO.

Letters Patent No. 87,235, dated February 23, 1869.

## IMPROVED LEACHING-VAT.

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 H. BAKER, of Springfield, in the county of Clark, and State of Ohio, have invented a new and useful Improvement in Leaching-Vats; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my invention.

Figure 2 is a side elevation of the same, showing the vat after dumping the spent ashes.

Figure 3 is an elevation, showing the clasps and latch for holding the trap-bottom together.

My invention consists in a leaching-vat, for leaching ashes or other substances, constructed with a trap-bottom, and mounted upon an adjustable track, so that when the ashes, &c., have become spent, the vat may, with little trouble or loss of time, be removed along the track, and the spent contents discharged into a cart, or otherwise disposed of as may be convenient.

My invention will be understood by referring to the accompanying description and drawings.

A A is the frame-work, supporting the vat C C during the operation of leaching.

B B are parallel tracks, hinged at s s to the frame A, to permit them to be lowered or raised, to run the vat upon, as shown in figs. 1 and 2.

The vat C is constructed of four pieces. The two side-pieces, C C, are V-shaped.

The ends, D D, are pivoted at L L to the sides of the vat, supported by wheels E E. The ends swing clear, leaving the mass of leached ashes with nothing to rest upon; consequently it falls entire into the vehicle ready to receive it.

The two ends D D have two latches or clasps on their respective sides. These clasps are screwed to the wood, and, projecting over the edge, are bent to fit the edge of the V-shaped sides, holding firmly the end and sides of the vat together, preventing the pressure of the ashes from forcing them apart.

The latches I K, at the bottom of the two sides, securely hold them together in that direction. The construction and manner of holding the said sides are shown in fig. 3.

Underneath the vat is the curved drain G, to carry off the lye, &c.

The operation of my invention is as follows:

The vat is filled with ashes. After they have been leached they are worthless, and have to be removed to be replaced by fresh.

To do this in the old process, it was necessary to have them dug out by spades, and frequently the tub or vat was required to be taken to pieces, at considerable trouble and loss of time.

My invention obviates all this difficulty, as it can, in a few minutes, deposit the waste ashes in a cart, and be rolled back to its place, ready to receive a new supply.

When the ashes require to be changed, a rope is attached from the windlass to the vat, as in fig. 1, and, turning, draws the vat toward it. The parallel track B B is previously raised to any required height, and a cart ready to receive its contents placed underneath, as represented in fig. 2.

When the vat reaches the point required to drop its load in the cart, the latches I K are pulled apart. The mass acts like a wedge, pushing and opening them the full width. Then it drops almost entire into the cart, when it is removed away.

The vat is then rolled back to the frame A, and the two end-pieces D D are drawn back to place, and secured by the latches, as shown in fig. 3. The vat is then ready to receive a fresh supply of ashes, and the process repeated when required.

Having described my invention,

What I claim as new, is—

1. A leaching-vat, C, constructed with a trap-bottom, substantially as described, and mounted upon rollers E E, so as to travel upon a track-way, for the purpose set forth.

2. In combination with a leaching-vat, C, substantially as described, the adjustable track-way B, as and for the purpose set forth.

THOMAS H. BAKER

Witnesses:

GEO. W. DALIE,  
SAMUEL LEPPLE.