(No Model.)

A. WERNER.

SLAG CART.

No. 354,670. Patented Dec. 21, 1886.

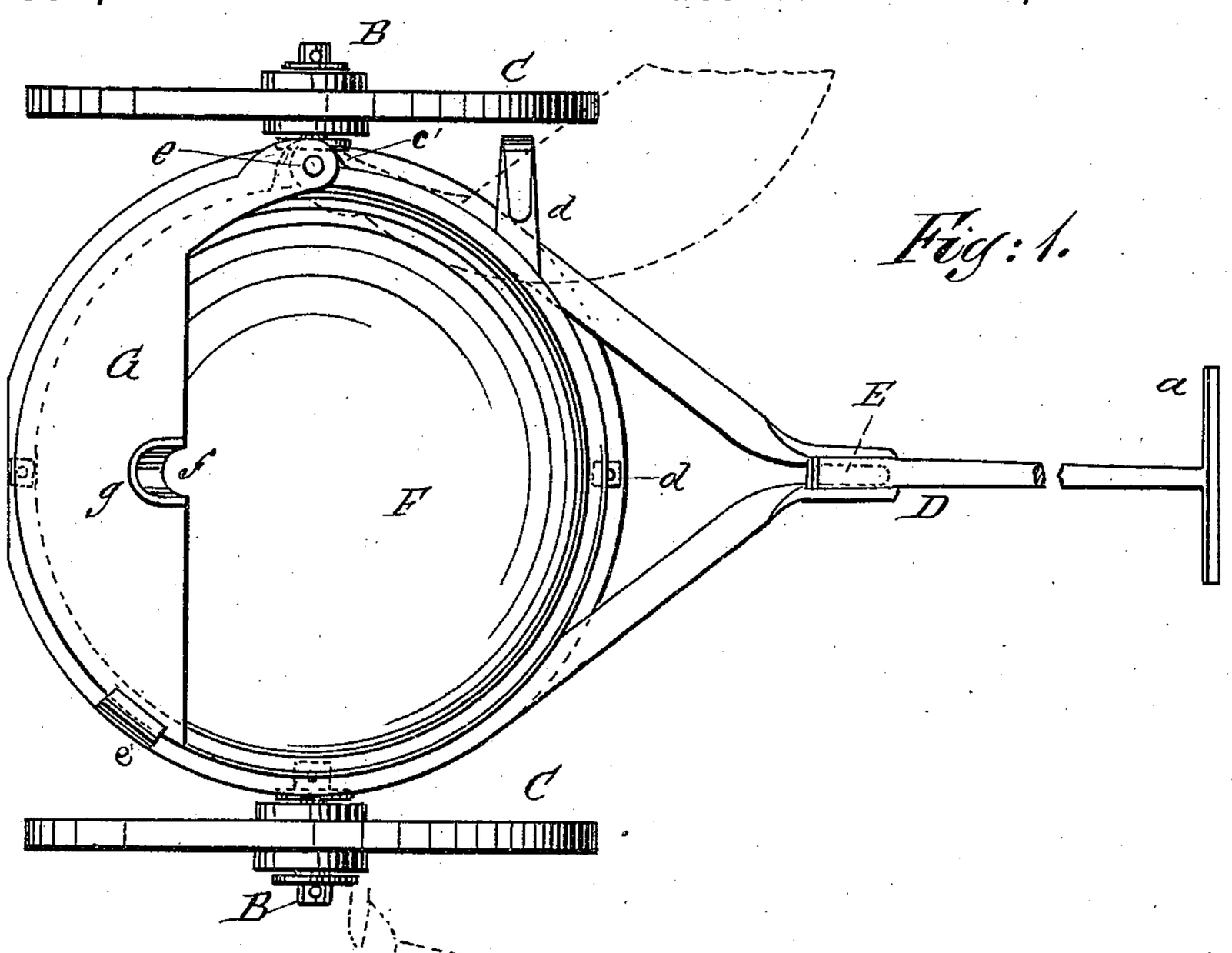

Fig: 1.

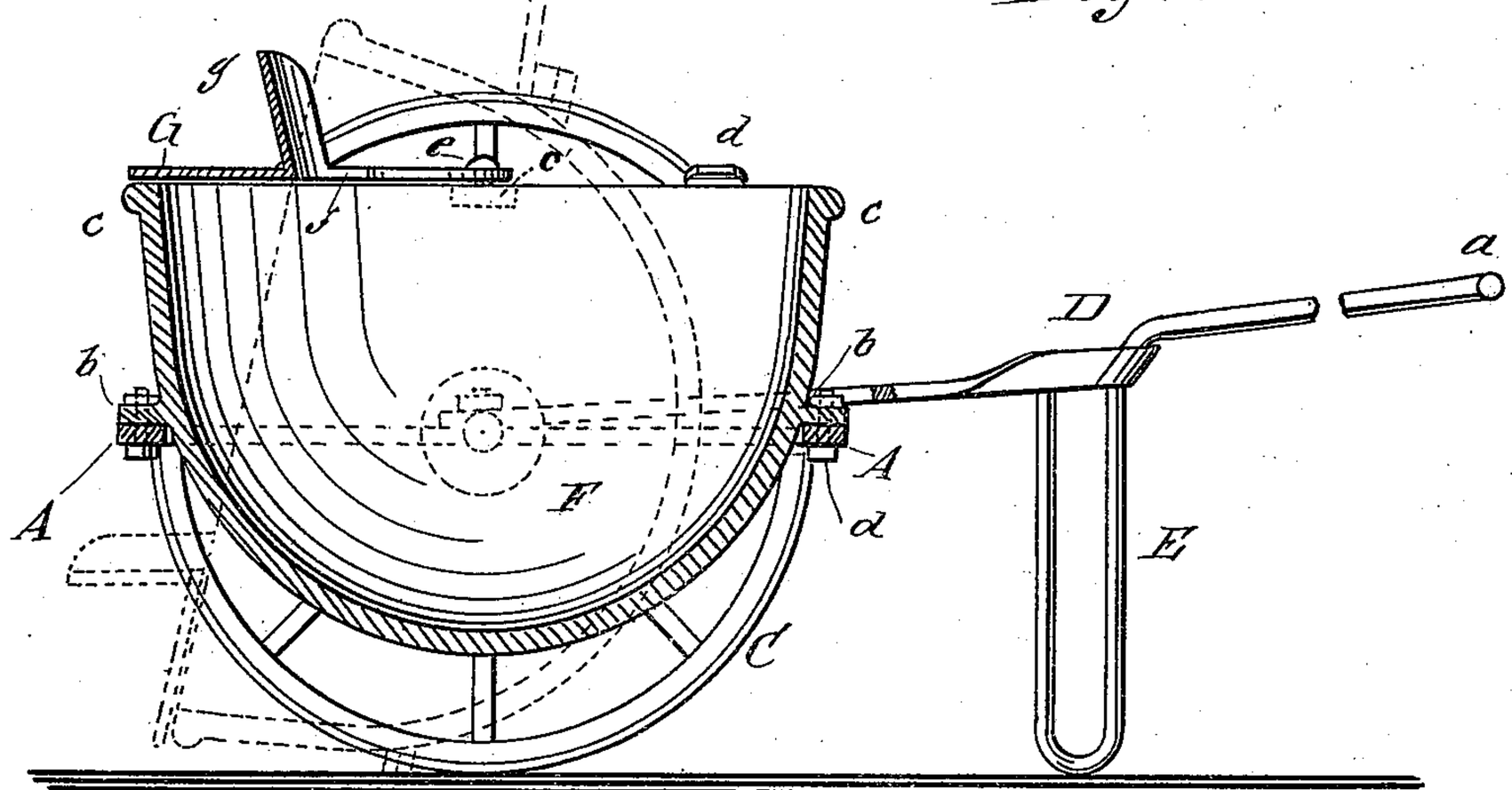

Fig: 2.

WITNESSES:

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AUGUST WERNER, OF LEADVILLE, COLORADO.

SLAG-CART.

SPECIFICATION forming part of Letters Patent No. 354,670, dated December 21, 1886.

Application filed October 19, 1886. Serial No. 216,648. (No model.)

To all whom it may concern:

Be it known that I, AUGUST WERNER, of Leadville, in the county of Lake and State of Colorado, have invented a new and useful Improvement in Slag-Carts, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a plan view, and Fig. 2 is a side sectional elevation.

Similar letters of reference indicate corresponding parts in both figures of the drawings.

The object of my invention is to construct a convenient vehicle for the reception and transportation of melted slag, and for the separation from the slag of the heavier matters, such as matte or speiss.

My invention consists in a slag-cart formed of an annular frame provided with axles, and supporting-wheels received thereon, and a bowl adapted to be received in the annular frame and provided with a flange which rests upon the annular frame and supports the bowl in position for use, and in the combination, with the bowl, of a segmental cover pivoted to the edge of the bowl and provided with a central spout for the discharge of the lighter melted matters from the bowl.

The annular frame A is provided on diametrically-opposite sides with axles B, upon which are mounted the supporting-wheels C. To the annular frame A is secured a tongue, D, which is bent upwardly out of the plane of the annular frame and provided with a handle, *a*, at the extremity thereof. A leg, E, formed of a looped bar of iron, secured to the under surface of the tongue, together with the wheels C, supports the annular frame A in a horizontal position.

To the frame A is fitted the bowl F, which is provided with a flange, *b*, resting on the annular frame. The bowl projects above the frame A, and is provided with a flange, *c*, around its upper edge, and with an apertured ear, *c'*. To the ear *c'* is secured a segmental cover, G, by means of a pivot, *e*, passing through a hole in the cover and through the hole in the ear *c'*. The opposite edge of the cover is retained in place by a hook, *e'*, projecting above the rim of the bowl. To one side of the rim of the bowl is secured a hooked arm, *d*, for supporting the cover G when open. The segmental cover G extends over the top of the bowl a distance equal to about one-quarter of the diameter of the bowl, and in the center of the straight edge of the segmental cover is formed the notch *f*, communicating with a central spout, *g*, projecting from the outer face of the cover.

The slag and matters carried with it are discharged into the bowl and allowed to remain until partially solidified, when the annular frame A will be turned, with the axles B as pivots, until the liquid portion of the contents of the bowl is discharged through the spout *g*. When the frame has been turned through about one-quarter of a revolution, the edge of the bowl will strike the ground, and the further discharge of its contents will be prevented. The heavier parts contained by the slag—that is, the matte or the speiss—will be retained by the segmental cover, and may be allowed to remain in the bowl until solidified; or they may be transported by the cart and discharged in another place after removing the segmental cover.

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

1. The combination, with the bowl F, of the segmental cover G, pivotally connected with the bowl and provided with the central spout, *g*, substantially as herein shown and described.

2. The combination of the annular frame A, provided with axles B, the wheels C, received on the axles, the bowl F, provided with the flange *b*, arranged to rest on the annular frame A, and the segmental cover G, having the central spout, *g*, and pivotally connected with the bowl F, substantially as herein shown and described.

3. The combination, with the bowl F and segmental cover G, of the hooks *e' d*, formed on or attached to the bowl, for supporting the cover in an open or closed position, substantially as specified.

AUGUST WERNER.

Witnesses:
H. W. HARDING,
G. R. THOMSON.