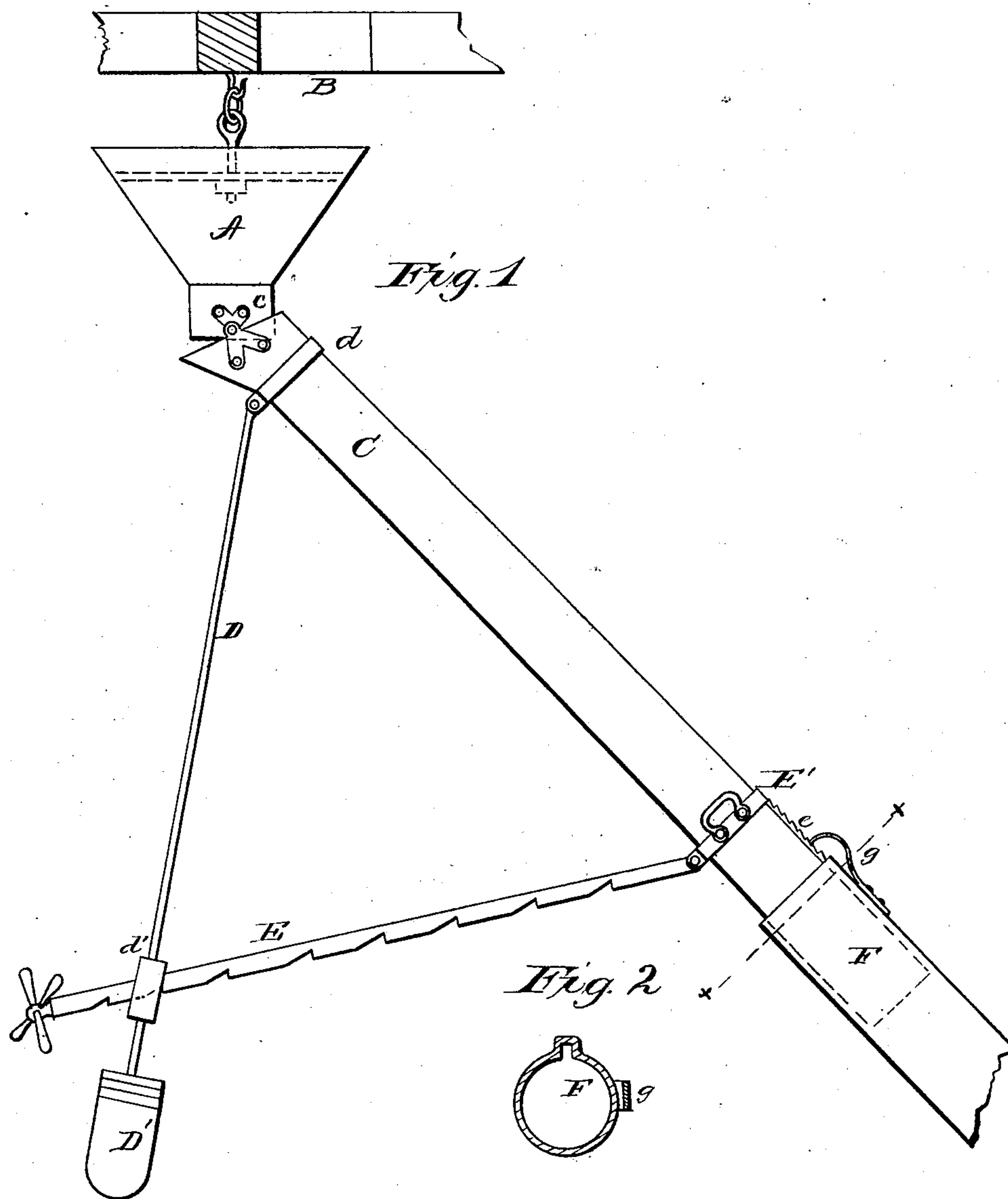


(No Model.)

W. TOEPFER.
Grain Distributer for Malt Kilns, &c.

No. 243,327.

Patented June 21, 1881.



Witnesses,
Frank L. Curand
J. J. McCarthy

Inventor
Wenzel Toepfer
By S. S. Stout
Attorney

UNITED STATES PATENT OFFICE.

WENZEL TOEPFER, OF MILWAUKEE, WISCONSIN.

GRAIN-DISTRIBUTER FOR MALT-KILNS, &c.

SPECIFICATION forming part of Letters Patent No. 243,327, dated June 21, 1881.

Application filed April 11, 1881. (No model.)

To all whom it may concern:

Be it known that I, WENZEL TOEPFER, of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Grain-Distributers for Malt-Kilns; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to devices for distributing grain as it is delivered from a higher to a lower level, and will be fully described hereinafter.

In the drawings, Figure 1 is a side elevation of my invention. Fig. 2 is a section on line *xx*.

A is the hopper, which is suitably hung beneath a spout, B, which passes from the upper floor by a link and eyebolt, which permit it to turn about a vertical center.

C is a delivery-spout, which is hinged to the hopper by brackets *c c*, and just below the brackets I securely attach a band, *d*, to the spout, and to this band I hinge a bar, D, upon which I suspend a weight, D'. I slightly enlarge the rod D just above the weight, and slot it to receive a notched bar, E, which I hinge to the lower end of the spout by band E'.

In the lower edge of the slot in bar D, I provide a catch, which is adapted to fit in the notches in bar E.

Just below the band E', I attach a strip, *e*, of angle or T iron to the spout C, which strip is notched to receive a spring-catch, *g*, that is fastened to an extension-spout, F, a longitudinal groove or crease in the extension-spout accommodating rib *e* and holding the extension-spout against any tendency to turn, so as to carry the spring-catch out of engagement with the notched strip.

Operation: The weight D', causing rod D to draw upon one side of the spout C, will have a tendency to throw the spout out of a perpendicular, and render it easy for a person at the handles of the bar E to thrust it the (spout) out farther, and thus distribute the grain uniformly throughout the floor, the notches in bar E engaging with a catch in the enlargement *d'* of rod D to hold the spout at any desired angle.

My device is specially designed for distributing malt on kiln-floors.

I design providing the spout and extension with suitable handles, by which they may be operated independently of bar E.

I claim—

1. In grain-distributers for malt-kilns, &c., a hopper having hinged spout, in combination with a rod, D, carrying a depending weight or counter-balance, as set forth.

2. In grain-distributers, the combination of the hopper and spout, hinged together, with the weighted rod D and notched bar E.

3. In combination with the hinged spout having notched rib *e*, the extension-spout having groove and spring-catch, as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 21st day of March, 1881.

WENZEL TOEPFER.

Witnesses:

JOE MELICHAR,
S. S. STOUT.