

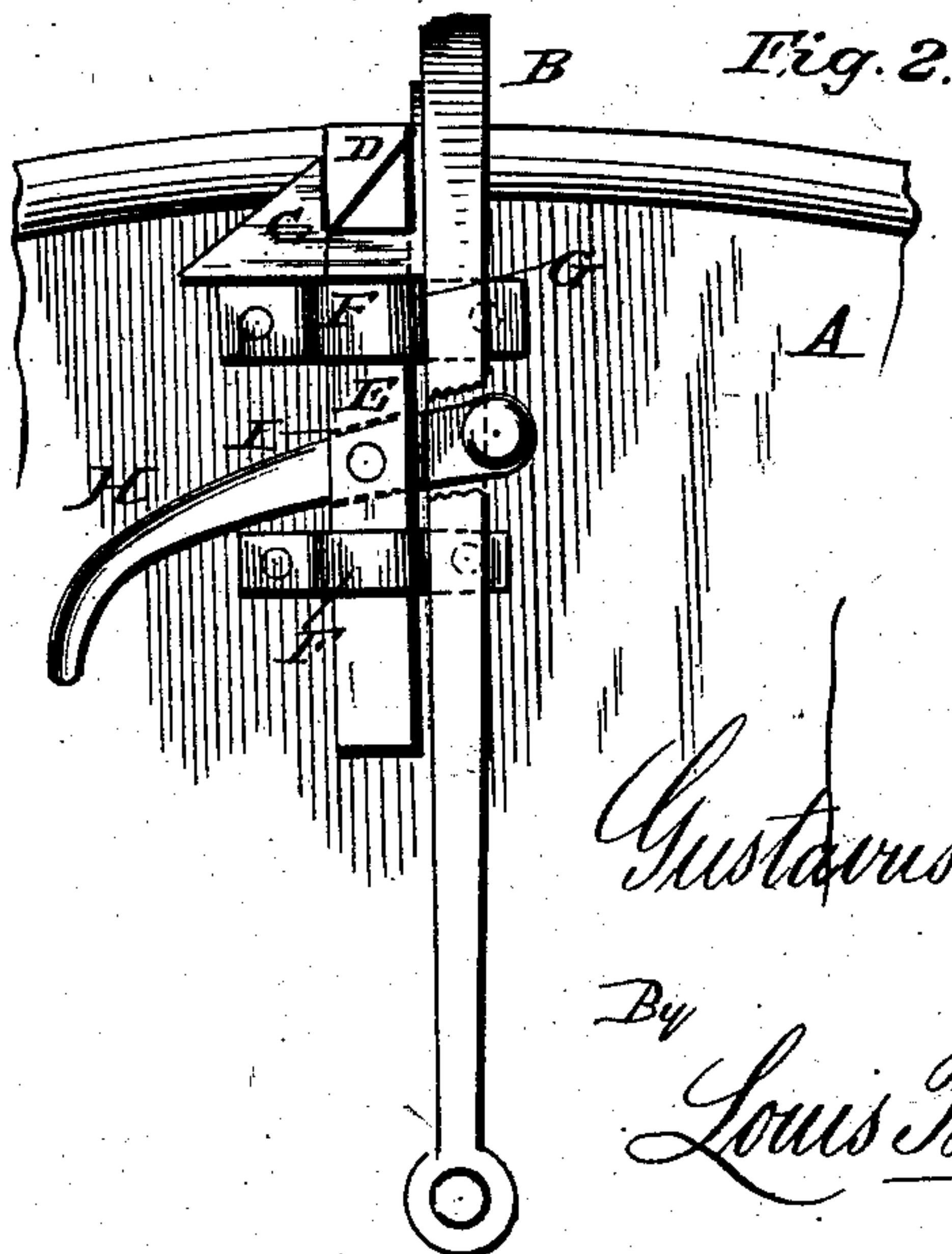
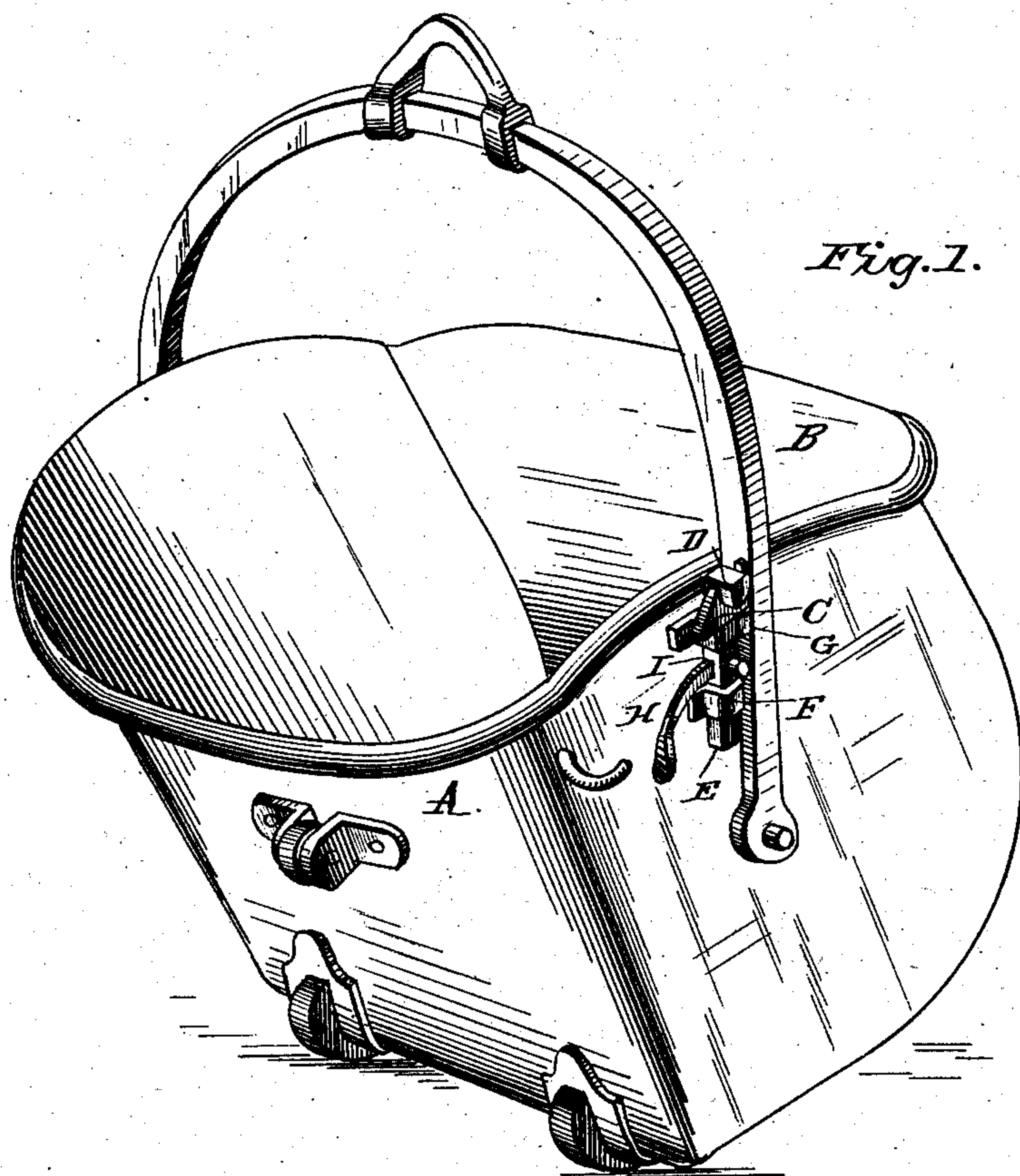
(No Model.)

G. L. STUEBNER.

LOCK FOR SELF DUMPING COAL TUBS.

No. 289,940.

Patented Dec. 11, 1883.



WITNESSES:

*Thed. S. Dietrich*  
*Wm. Cooper*

*Gustavus L. Stuebner*  
INVENTOR.

By *Louis Bagger & Co.*  
ATTORNEYS.



# UNITED STATES PATENT OFFICE.

GUSTAVUS LABURTUS STUEBNER, OF LONG ISLAND CITY, NEW YORK.

## LOCK FOR SELF-DUMPING COAL-TUBS.

SPECIFICATION forming part of Letters Patent No. 289,940, dated December 11, 1883.

Application filed October 22, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, GUSTAVUS L. STUEBNER, of Long Island City, in the county of Queens and State of New York, have invented certain  
5 new and useful Improvements in Locks for Self-Dumping Coal-Tubs; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it ap-  
10 pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of a coal-tub  
15 provided with my improved lock; and Fig. 2 is a side view, on an enlarged scale, of the lock.

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

My invention has relation to locks for self-  
20 dumping coal-tubs; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A  
25 indicates the tub, which is of the usual construction, and which is suspended and pivoted between the arms of the bail B, one arm of which is provided, upon the edge facing the tilting end of the tub, with a catch, C, beveled  
30 upon its upper side. This catch is engaged, when the tub is in its upright position, by a laterally-projecting lug, D, beveled upon its under side to correspond to the bevel of the catch upon the upper end of a bolt, E, slid-  
35 ing in ways F upon the side of the tub, which ways form a lateral projection or lip, G, which bears against the forward edge of the bail and prevents the bail from swinging farther forward than to the bolt.

A short lever, H, is pivoted upon the side  
40 of the tub at one end, to the rear of the ways, and passes between the side of the tub and the bolt in a recess, I, in the same, projecting upon the forward side of the bolt, serving to raise the bolt.

It will now be seen that when the tub is to  
45 be dumped the bolt may be released by raising the free end of the lever, which will raise the bolt and allow the tub to swing upon its pivots, whereupon, when the tub has been  
50 emptied, it will return to its former upright position by the weight of its lower end, and the beveled under side of the lug upon the bolt will slide over the beveled end of the catch  
55 upon the bail, locking the tub in place until released again.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination of a catch upon the bail of  
60 a coal-tub, beveled upon the upper side of its outer end, with a bolt sliding in ways upon the side of the tub, having a laterally-projecting lug upon its outer end, beveled upon its  
65 under side toward the rear, and a lever pivoted upon the side of the tub at one end, passing through a recess in the bolt between the side of the tub and the bolt, and projecting  
70 at the other side of the same, as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

GUSTAVUS LABURTUS STUEBNER.

Witnesses:

EDWARD H. DANFORTH,  
J. H. SMEDLEY.