

(Model.)

C. M. SEGUINE.
Coal Shovel or Scoop.

No. 232,853.

Patented Oct. 5, 1880.

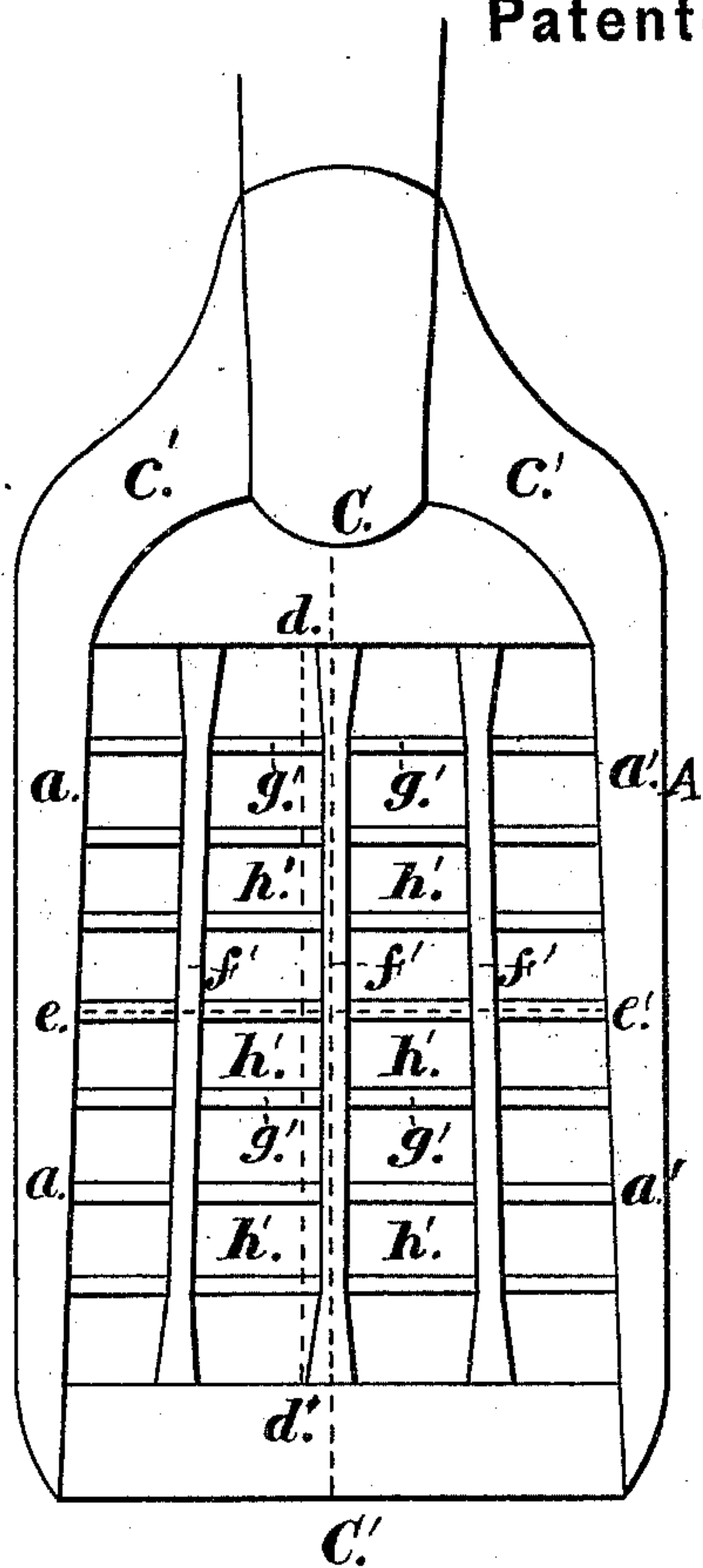


Fig. 1.

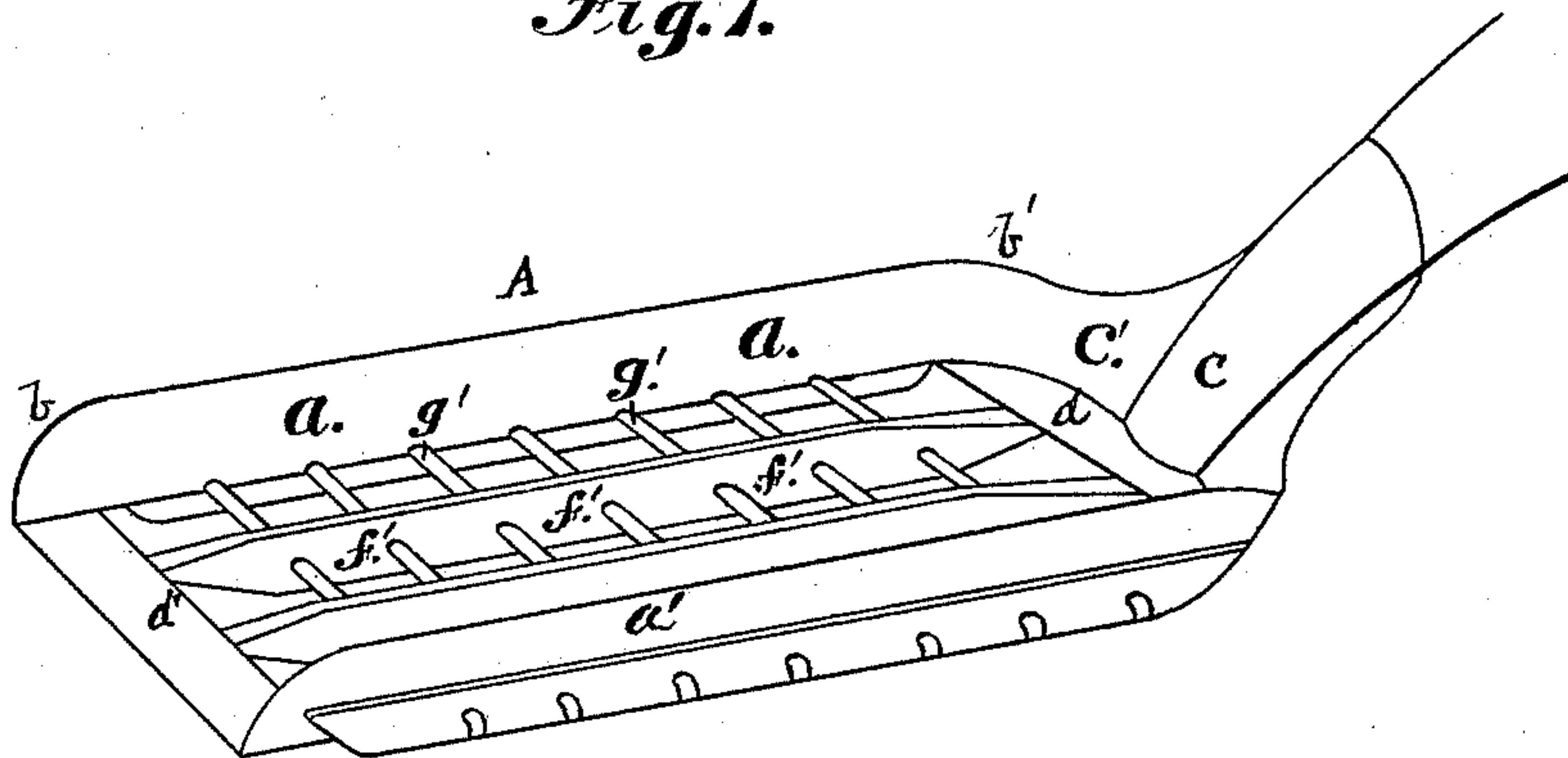


Fig. 2.

Witnesses;

Michael H. Corry
Edgar J. Nathan

Inventor;

Crowell M. Seguire

UNITED STATES PATENT OFFICE.

CROWELL M. SEGUINE, OF RICHMOND, NEW YORK.

COAL SHOVEL OR SCOOP.

SPECIFICATION forming part of Letters Patent No. 232,853, dated October 5, 1880.

Application filed March 6, 1880. (Model.)

To all whom it may concern:

Be it known that I, CROWELL M. SEGUINE, of the village of Richmond, in the county of Richmond, in the State of New York, have invented a new and useful Improvement in Coal-Shovels, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view of my improved shovel, and Fig. 2 is a perspective view of the same.

My invention relates to that class of coal-shovels in which a screen is inserted in the bottom of the shovel; and it consists in certain details of construction hereinafter more fully set forth, and pointed out in the claim.

In the accompanying drawings, A represents my improved shovel, having the sloping sides *a a'* and the ordinary handle-socket C.

The bottom plate of the shovel is provided with an opening extending laterally from side to side of the shovel, and longitudinally from the front plate, *d'*, of the shovel to the rear plate, *d*, into which opening a sieve is inserted, constructed as follows: *f' f'* represent the longitudinal bars of the sieve, extending from the front plate, *d'*, to the rear plate, *d*, and secured at their ends to said plates in any suitable manner. The bars *f'* are perforated at intervals for the passage of the cross-rods *g'*, the ends of which are secured, by rivets or otherwise, to the sides of the shovel, thus bracing the construction. The longitudinal bars *f'* extend

both above and below the cross-rods *g'* of the sieve, whereby the larger pieces of coal will, in the operation of the shovel, ride on the longitudinal bars without coming in contact with the cross-rods, thus lessening the wear on the latter, and separating the larger from the smaller lumps of coal, while the smaller particles of coal will pass through the meshes of the cross-rods.

In using the shovel work should begin at the bottom of the heap of coal and the shovel be pressed gradually in and not pushed in too straight, in order that the coal may slide on the screen and the foreign material work its way through the interstices *h'*.

My invention may be used for screening or separating any substance other than coal.

The cross-wires or thin bars *g'* may be of iron wire, or other suitable substance, properly fastened to or driven into holes drilled in the sides of the shovel or scoop.

What I claim is—

The combination, with the shovel A, having sides *a a'*, an opening in its bottom, and front and rear plates, *d' d*, of the perforated longitudinal bars *f' f'* and cross-bars *g'*, the former projecting both above and below the cross-rods, substantially as described, and for the purpose set forth.

CROWELL M. SEGUINE.

Witnesses:

MICHAEL H. CARDOZO,
EDGAR J. NATHAN.