

(No Model.)

C. BUSH.
Clay Digger.

No. 232,674.

Patented Sept. 28, 1880.

Fig: 1.

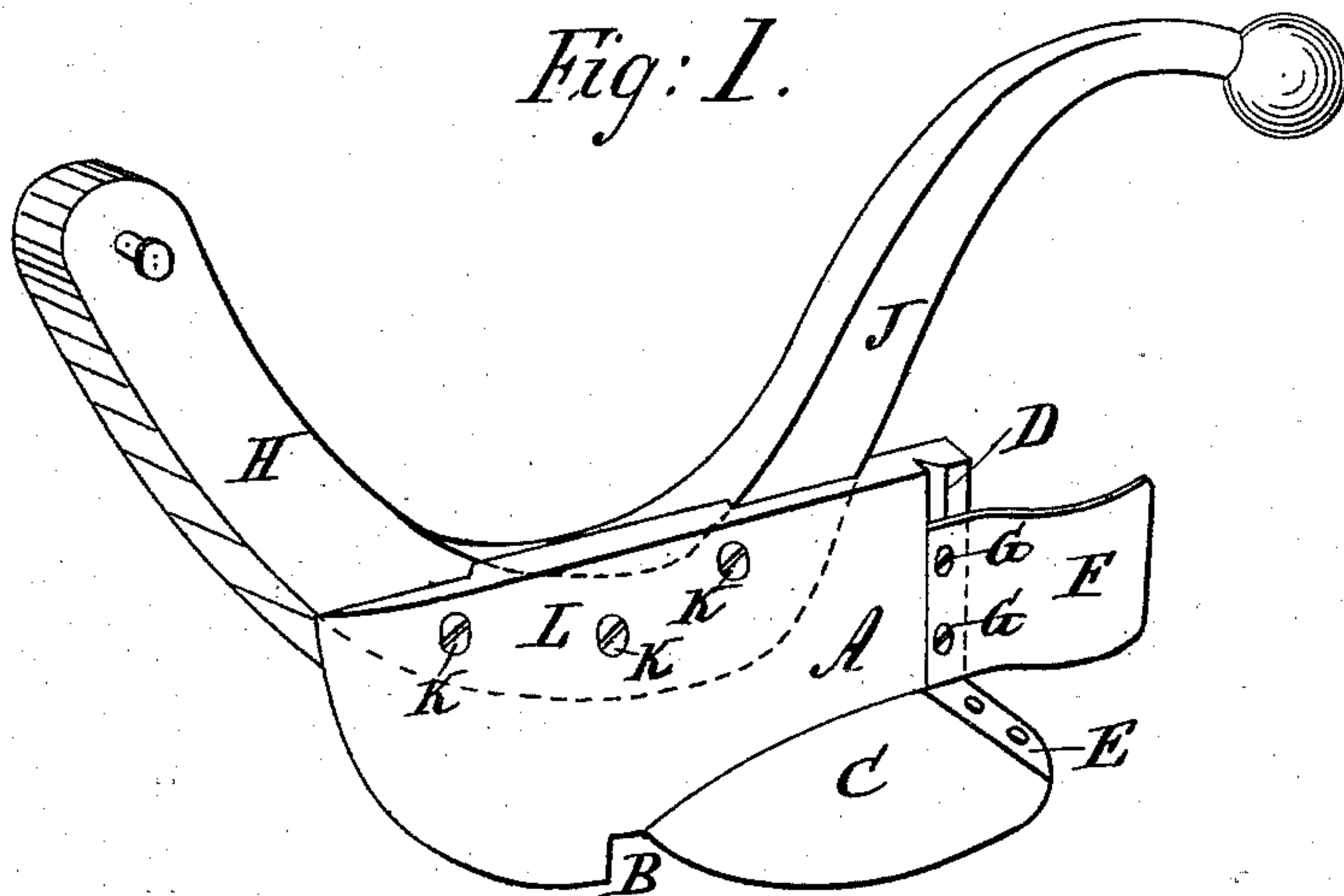
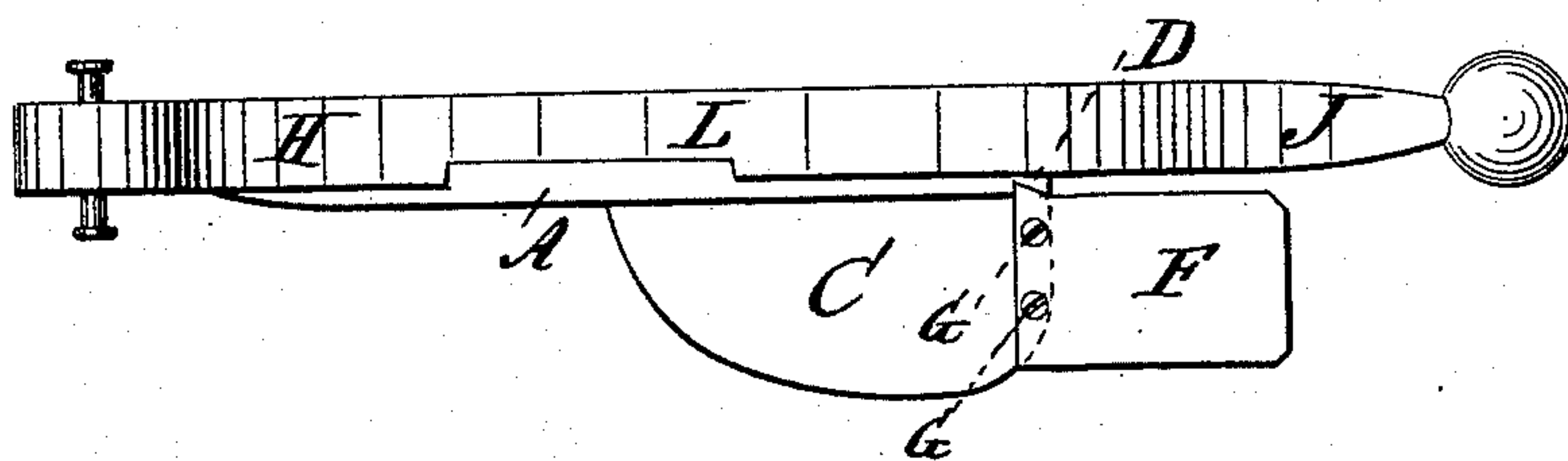


Fig: 2.



WITNESSES:

A. Schehl.
C. Seagwick

INVENTOR:

C. Bush
BY *Munn & Co*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

CARL BUSH, OF NEW YORK, N. Y.

CLAY-DIGGER.

SPECIFICATION forming part of Letters Patent No. 232,674, dated September 28, 1880.

Application filed July 3, 1880. (No model.)

To all whom it may concern:

Be it known that I, CARL BUSH, of the city, county, and State of New York, have invented a new and Improved Clay-Digger, of which
5 the following is a specification.

The object of my invention is to provide a new and improved clay-digger which is simple in construction and effective in use.

The invention consists in a blade or land-side of a plow provided with a flange at the bottom edge and a detachable mold-board at the rear edge, to which blade a beam and a handle united at their lower ends are attached in such a manner as to form a runner which
10 passes over the surface of the ground, whereas the other parts cut into the ground.

In the accompanying drawings, Figure 1 is a perspective view of my improved clay-digger. Fig. 2 is a plan view of the same.

20 Similar letters of reference indicate corresponding parts.

The front edge of the blade A is rounded and provided with an offset at its connection with the horizontal bottom edge of the blade
25 at B. The blade is provided with a horizontal flange, C, at the bottom edge, which flange begins at the offset at B and extends outward on a curved line, returning to the blade and connected with it at the rear end of the said
30 blade.

The blade A has a recess, D, along the rear edge, and the flange C is provided with a like recess, E. The edge of a curved mold-board, F, fits into either of the recesses D or E, and
35 is attached either to the blade A or to the flange C by means of the countersunk screws G G.

A beam, H, and a handle, J, are made in one curved piece, and are attached to the
40 blade A by two or more countersunk screws, K K, the said handle and beam at the same time forming a runner, L, which passes along the surface of the ground and prevents the blade A from cutting in too deep.

The device is used as follows: To make the first cut the mold-board F is attached to the flange C, as shown in Fig. 2, and the digger is then drawn over the field. The blade A enters into the ground up to the runner L, and the flange C makes a horizontal cut below the surface a distance equal to the distance from the flange C to the under side of the runner L. The mold-board loosens the mass of clay above the horizontal cut. For the next cut the mold-board F is attached to the blade A, as shown
55 in Fig. 1. The blade A cuts off the clay or earth that has been undercut by the flange C, and the flange C cuts horizontally, as before, the mold-board loosening the parts that have been undercut by the said flange.
60

The within-described device may be used to cut and dig clay for brick-yards, potteries, &c., and may also be used to cut peat and the like.

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

1. A clay-digger made substantially as herein shown and described, and consisting of a runner, A, provided with a flange, C, and a
70 runner, L, terminating in the handle J and beam H, as set forth.

2. The combination, with the blade A, having a flange, C, of the detachable mold-board F, and the handle J and beam H, connected
75 by the runner L, substantially as herein shown and described, and for the purpose set forth.

3. In a clay-digger, the blade A, constructed, substantially as herein shown and described, with a curved front cutting-edge, and having
80 an offset, B, at the end of said curved edge and a rounded flange extending from the offset B to the rear end of the blade, as set forth.

CARL BUSH.

Witnesses:

OSCAR F. GUNZ.

C. SEDGWICK.