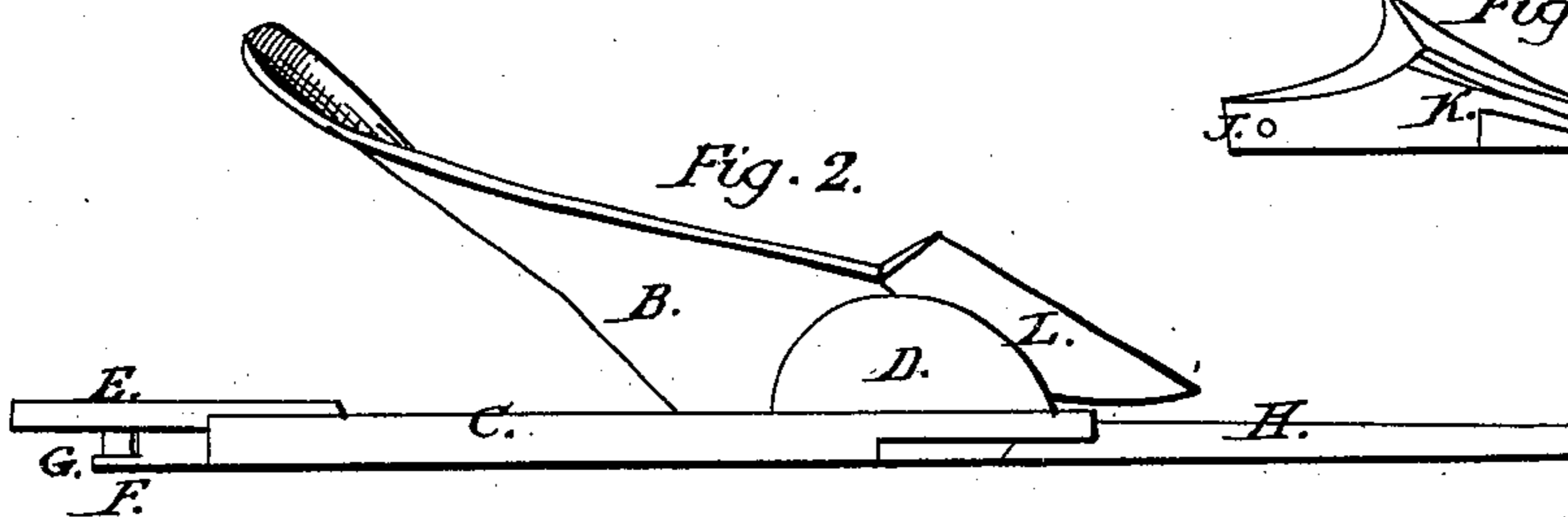
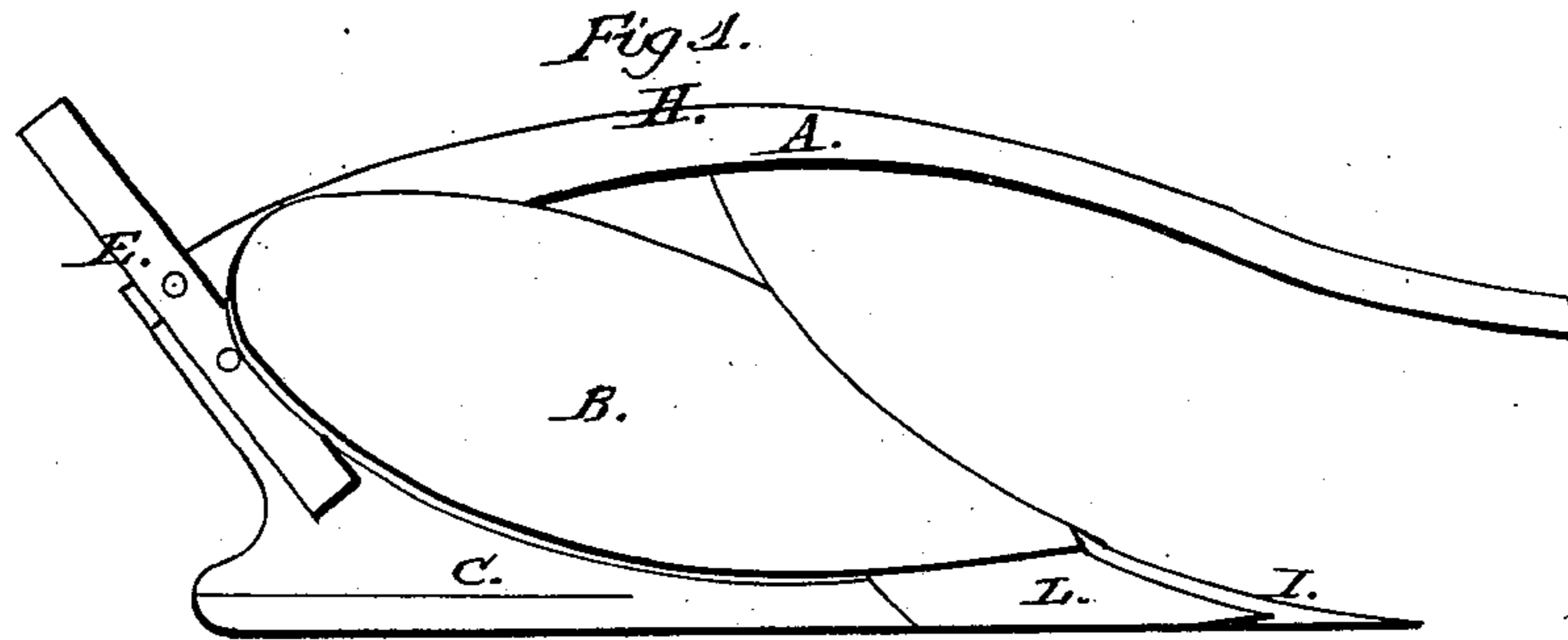


H. KILLAM.
 PLOW.

No. 95,487.

Patented Oct. 5, 1869.



Witnesses:
H. F. Eberle,
Jas. J. Day

Inventor:
H. Killam
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UNITED STATES PATENT OFFICE.

HENRY KILLAM, OF MENDON, MICHIGAN.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 95,487, dated October 5, 1869.

To all whom it may concern:

Be it known that I, HENRY KILLAM, of Mendon, in the county of St. Joseph and State of Michigan, have invented a new and useful Improvement in Plows; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification.

Figure 1 is a side elevation. Fig. 2 is a broken view. Fig. 3 is a side view of the point.

Like letters indicate like parts in each figure.

The object of this invention is to produce a radical improvement in the construction of plows, by means of which they are made stronger adjustable, so that they can be worked with one, two, or three horses, and so that any one part can be replaced when worn.

It consists in making the point and wing in two pieces, the one being grooved into the other; in the combination and arrangement of the above-named parts with a flange cast upon the landside and projecting underneath the joint of the point, wing, and mold board, by means of which said joint is materially strengthened; in the arrangement of devices for the purpose of widening or narrowing the furrow, according to the number of horses employed, and in the peculiar arrangement of its parts, as hereinafter more fully explained.

In the drawings, A represents a cast-iron beam, and B a mold-board, of ordinary construction.

C is a landside, upon the inner side of which the flange D is cast, of suitable form upon its upper surface to fit the under side of the mold-board point and wing at their point of conjunction. To the rear end of this landside is secured the handle E, to which in turn is secured the rear end of the beam A by

means of a bolt and nut. The rear end of the beam rests upon a prolongation, F, of the landside, which extends upward along the handle, and there is interposed between the handle and beam a washer, G, which may be removed and placed outside of the end of the beam, upon the same bolt, whenever it is desired to have the plow take less land. With this washer, as described, the operator can make his plow take more or less land, according to the number of horses employed, the beam being secured to the standard at H by means of a bolt passing through the beam in such a manner as to allow it to turn upon the bolt.

I is a point and prolongation of the landside, to which it is attached by means of a bolt or screw passing through the hole J and a corresponding hole in the landside. A groove or recess, K, is cast in the side of the point to receive the wing L, which is a separate and distinct piece, and is secured to the mold-board, in the usual manner, by bolts. By this method of constructing the point and wing, should either wear, the part wearing faster than the other may be replaced without the expense usually attendant when the point and wing are cast in one piece.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination of the beam A, mold-board B, landside C, handle E, washer G, point I, and wing L, when constructed, arranged, and operating substantially as and for the purposes described.

2. The combination of the wing L, the point I, and the flange D, when all are constructed and arranged as and for the purposes aforesaid.

HENRY KILLAM.

Witnesses:

WM. HARRINGTON,
JOHN S. WEEKS.