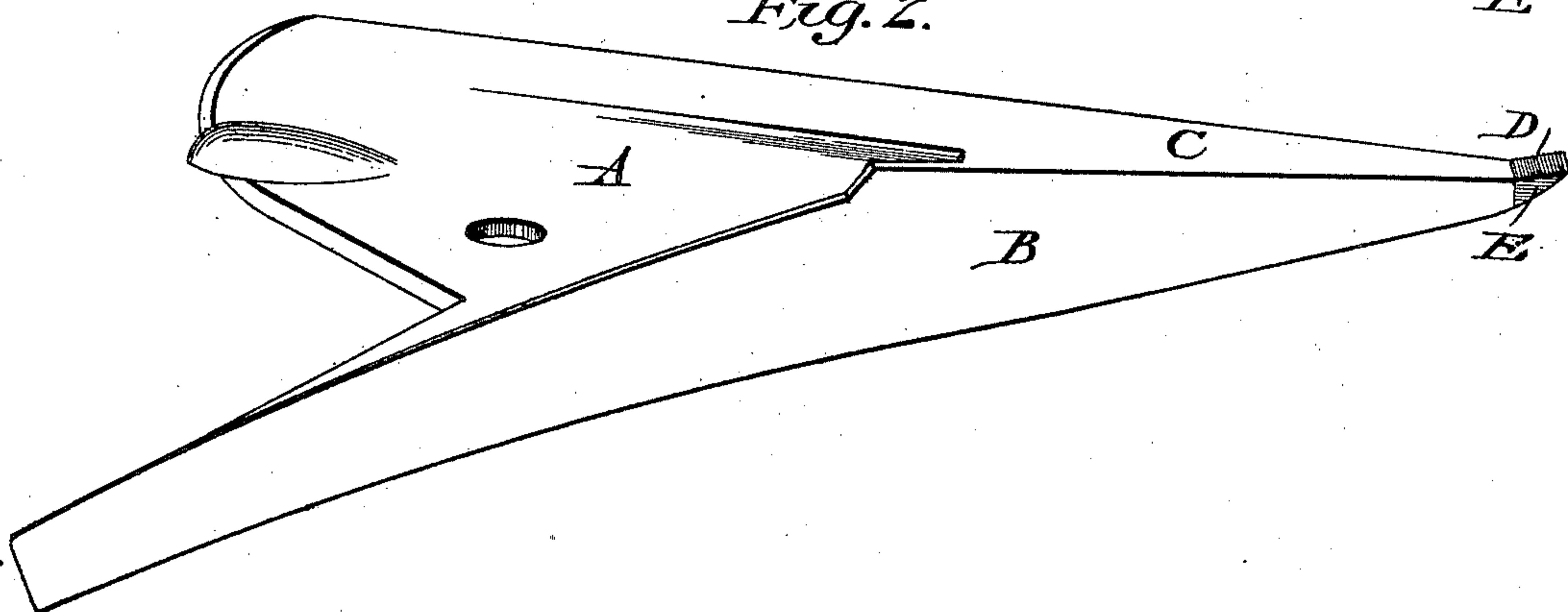
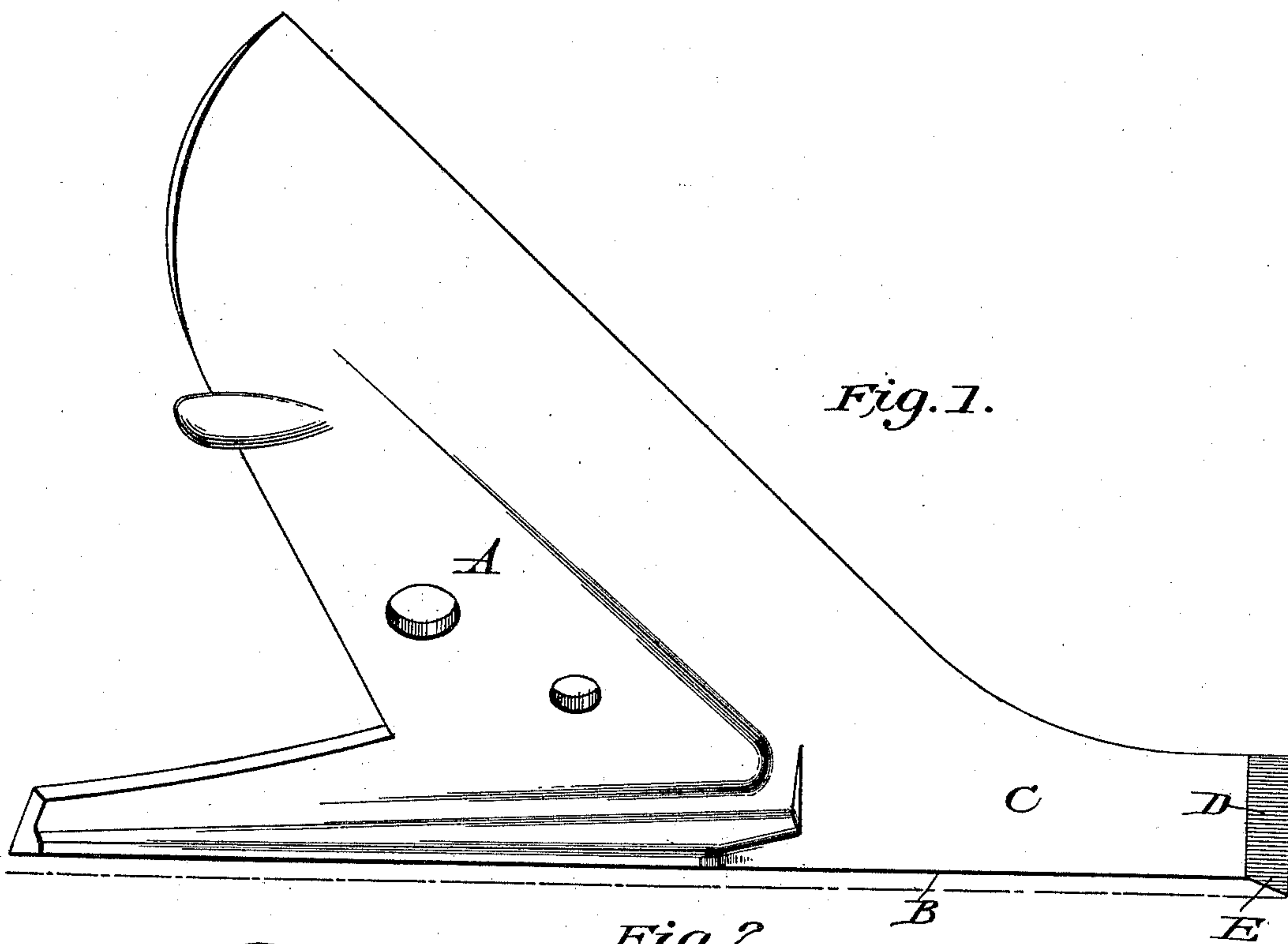


(No Model.)

W. E. SMITH.
PLOWSHARE.

No. 584,424.

Patented June 15, 1897.



Witnesses.

E. J. Quire
C. H. Salisbury

Inventor.

Welding E. Smith

UNITED STATES PATENT OFFICE.

WELDING E. SMITH, OF MONROEVILLE, OHIO.

PLOWSHARE.

SPECIFICATION forming part of Letters Patent No. 584,424, dated June 15, 1897.

Application filed December 10, 1896. Serial No. 615,250. (No model.)

To all whom it may concern:

Be it known that I, WELDING E. SMITH, a citizen of the United States, residing at Monroeville, in the county of Huron and State of Ohio, have invented a new and useful Improvement in Plowshares, of which the following is a specification.

My invention relates to an improvement in plowshares in which the point thereof is provided with a flanged bit or portion on the front end in such manner as to form an oblique angle on the lower side, which comes next to the ground when the plow is in operation, this flanged portion being the cutting edge or working part of the point.

The object of this invention is to provide a plowshare that will be more enduring and that will adhere more steadily to the ground when in operation.

I further carry out this invention by providing a lateral extension reaching beyond the line of the landside of the plowshare at the front end, this extension being a continuation of the cutting edge of the plow-point.

I preferably make this extension to reach about a quarter of an inch beyond the line of the landside and about five-eighths of an inch toward the main body of the plow-point and to be triangular-shaped.

My invention is illustrated by reference to drawings annexed.

Figure 1 is a plan view illustrating my invention. Fig. 2 is a side elevation viewed from the furrow side.

B shows the landside of the plowshare. 35

C is the point of the plowshare, showing a bottom view, at the front end of which is placed the flanged bit or portion.

D is the flanged bit extending from the bottom of the point at the front end thereof and is the working part of the point. 40

E illustrates the lateral extension, reaching beyond the landside, triangular-shaped and filling space between the plowshare proper and dotted line. 45

I am aware that prior to this invention plowshares have been made with an offset or projection extending at substantially a right angle from the bottom at the point, also with a gradual projection of the point downward, and also concaved on the bottom at the point or front end. These I do not claim. 50

What I do claim, and desire to secure by Letters Patent, is—

1. A plowshare having a point consisting of a flanged bit reaching downward and forward forming a beveled angle D as shown and described. 55

2. A plowshare having a lateral extension on the front end of the point and reaching beyond the line of the landside triangular-shaped and forming a part of the cutting edge of the point substantially as shown and described. 60

WELDING E. SMITH.

Witnesses:

H. R. MASON,
WILLIAM HESS.