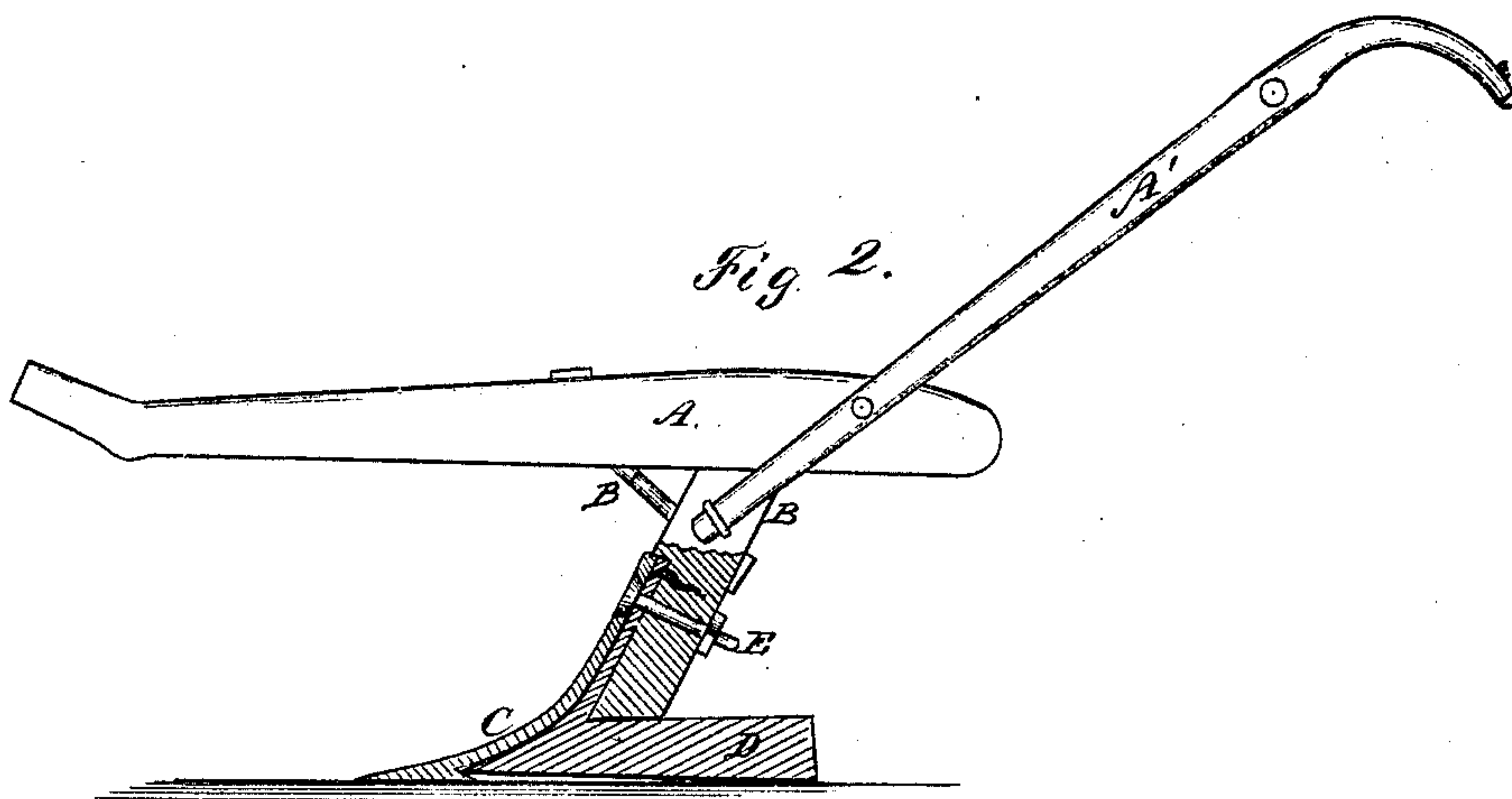
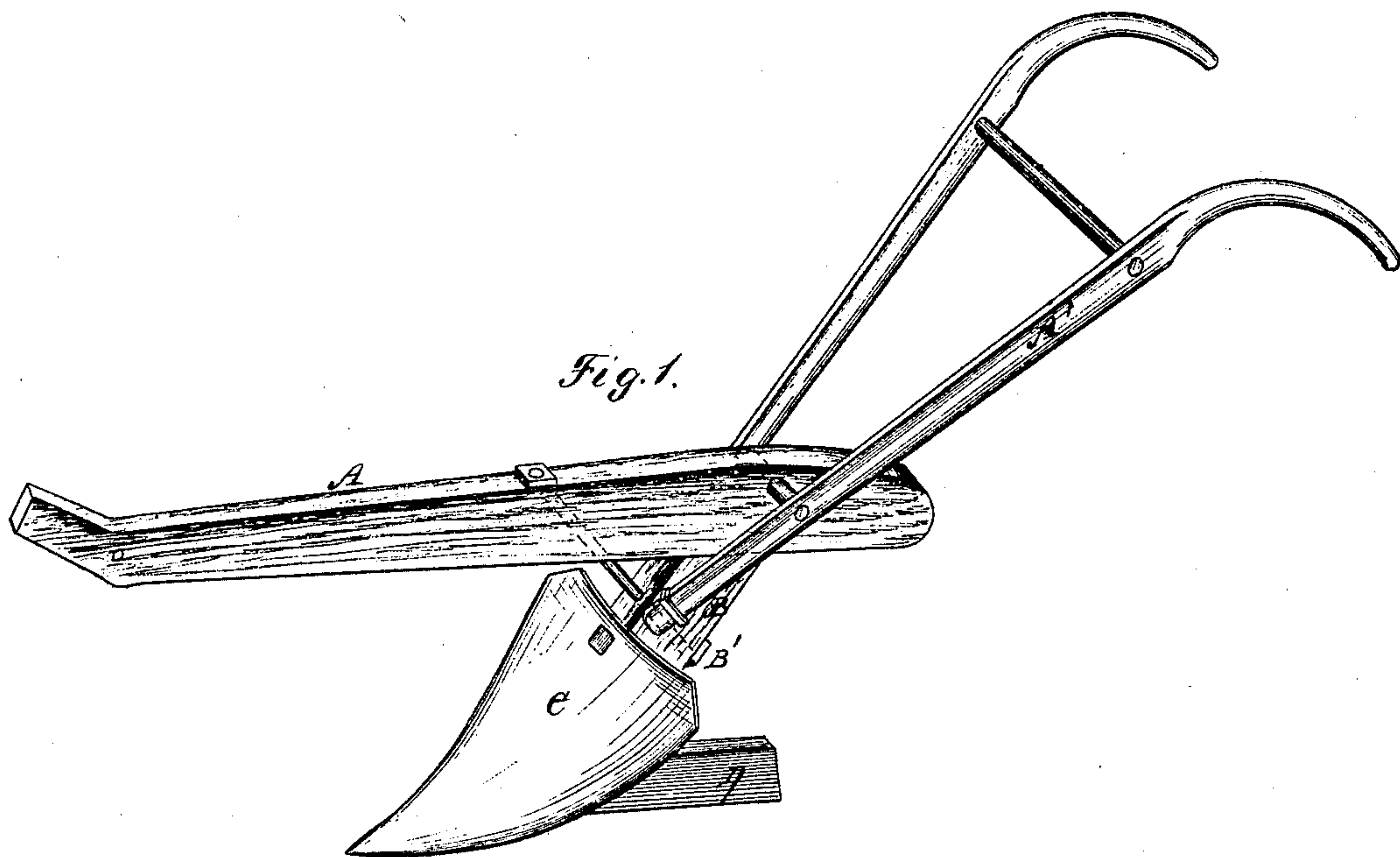


F. H. Bowlds,

Shovel Plow.

No. 112,212.

Patented Feb. 28, 1871.



Witnesses
A. Ruppert.
C. F. Clausen

F. H. Bowlds
Inventor.
D. R. Holloway & Co.
Attys

UNITED STATES PATENT OFFICE.

FRANCIS H. BOWLDS, OF FAIRFIELD, KENTUCKY.

IMPROVEMENT IN SHOVEL-PLOWS.

Specification forming part of Letters Patent No. 112,212, dated February 28, 1871.

To all whom it may concern:

Be it known that I, FRANCIS H. BOWLDS, of Fairfield, Nelson county, in the State of Kentucky, have invented certain Improvements in Shovel-Plows; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a perspective view of my improved plow, showing all its parts in position for use. Fig. 2 is a view, partly in section and partly in elevation, showing the pocket upon the shovel into which the point of the shoe enters.

This invention relates to that class of plows usually denominated "shovel-plows;" and it consists in the construction and arrangement, with reference to one another, of the share, shoe, and standard, as will be more specifically pointed out hereinafter.

To enable those skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A in the drawings refers to the beam of the plow, and A' A' to the handles, which are united to the beam by means of a bolt or pin, which passes through them and through the beam, as shown in Fig. 1.

B refers to a standard or helve, which has its upper end secured to the beam A, from which it extends downward for a distance sufficient to enable it to receive and support the share and shoe, soon to be described. A bolt passes through this standard and through the beam, as shown in the drawings, and thus forms a brace for holding the standard in position.

The above-enumerated parts may be of any approved form of construction, but which, as they form no part of my present invention, need not be more particularly described here.

C refers to the share or shovel, which may be of steel or iron, and of any size and form

desired, but which I prefer to make quite sharp at the point, and of the curved form shown in the drawings. In the under surface of this shovel, and near its point, there is formed a pocket for the reception of the outer or forward pointed or sharpened end of the shoe. This pocket may be formed by welding or otherwise attaching thereto an additional piece of steel or other metal, such piece having a depression in its center which shall, in connection with the other portion of the shovel, form a pocket for the reception of the forward end of the shoe, as shown in Fig. 2. The office of this pocket, as above stated, is to receive and retain the forward end of the shoe, and thus do away with the necessity of using a bolt to unite these two parts at that point, which would have the effect to weaken them very much if it were employed.

D refers to the shoe, which consists of a bar of metal of any desired height and thickness, its forward end being pointed or sharpened, so as to admit of its entering the pocket formed in the shovel, it being also supplied with a tongue which is welded or otherwise attached to its upper edge, and which passes up the edge of the standard B, for the purpose of attaching it thereto by means of a bolt, as shown in Fig. 2.

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

The combination of the beam A, standard B, tongued shoe D, and shovel C, the parts being constructed and arranged substantially as shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

F. H. BOWLDS.

Witnesses:

JOHN A. TERRELL,
WM. A. TERRELL.