No. 653,117. Patented July 3, 1900.

R. H. PURNELL.

PLOW BEAM.

(Application filed Nov. 14, 1899.)

(No Model.)

Fig. 1.

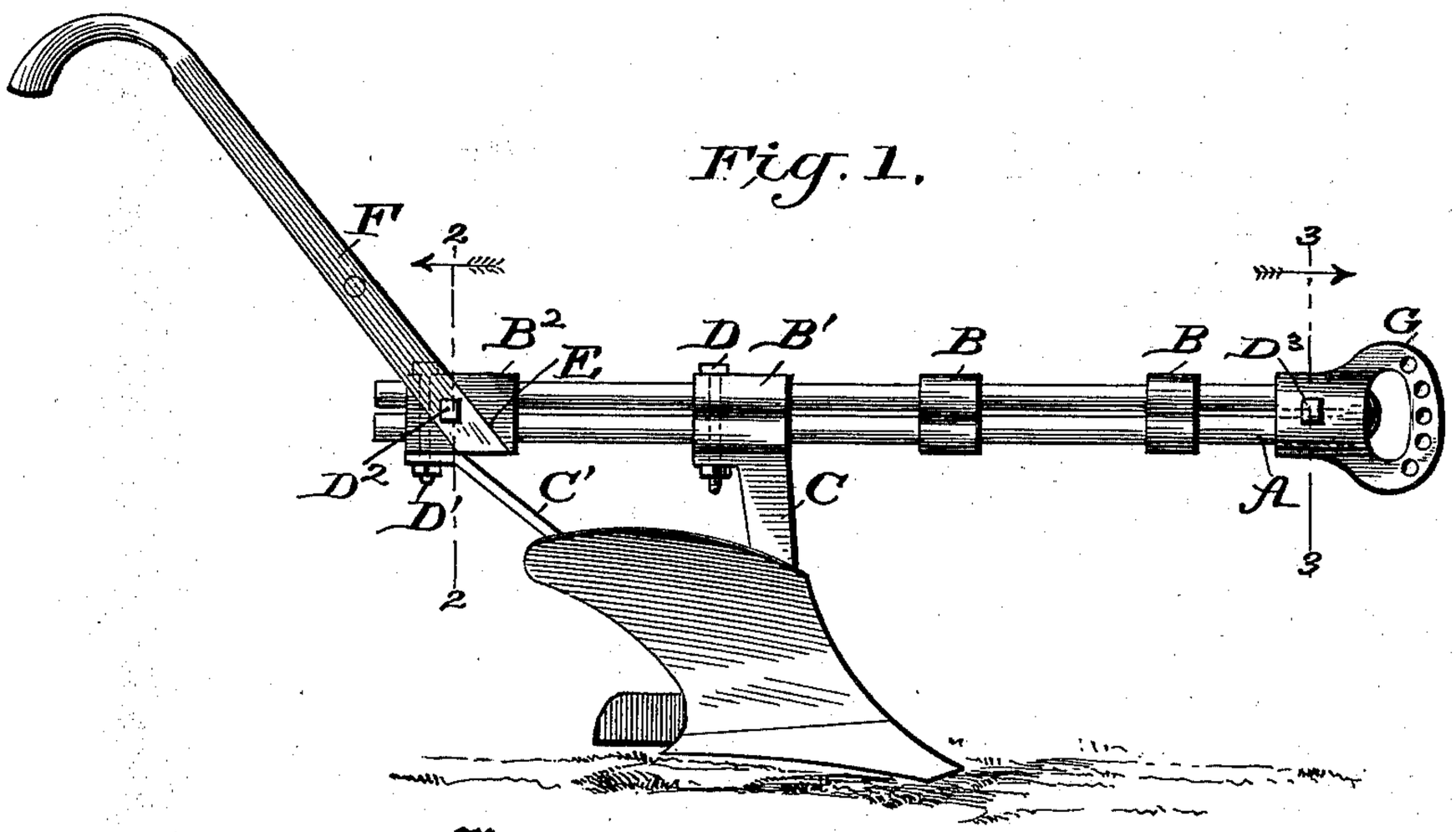


Fig. 2.

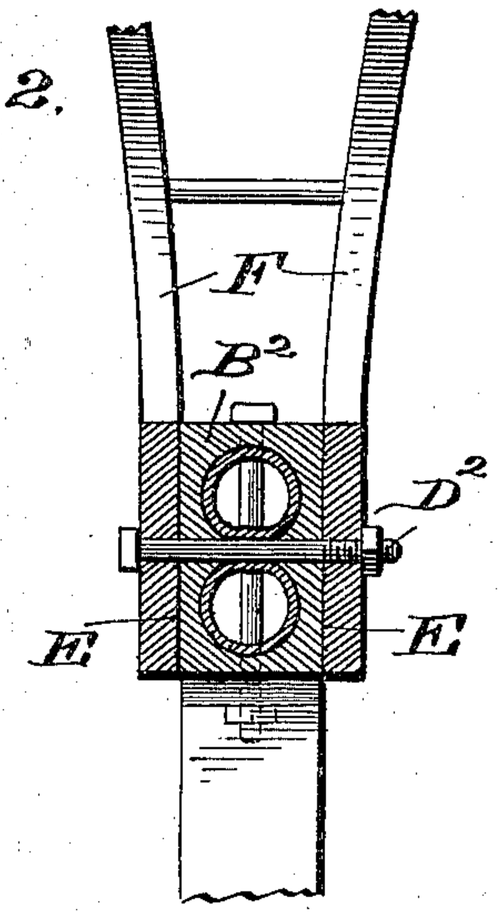


Fig. 3.

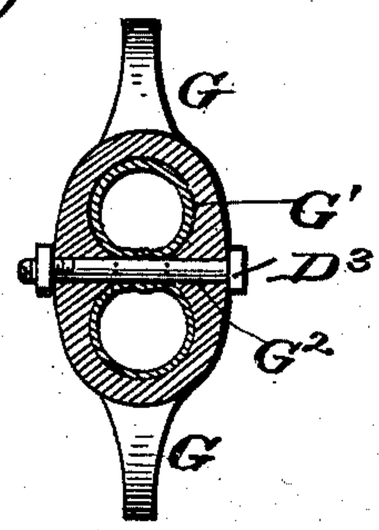
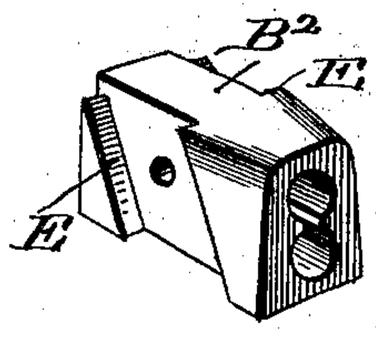


Fig. 4.



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RICHARD HOPE PURNELL, OF ROSEDALE, MISSISSIPPI.

PLOW-BEAM.

SPECIFICATION forming part of Letters Patent No. 653,117, dated July 3, 1900.

Application filed November 14, 1899. Serial No. 736,955. (No model.)

To all whom it may concern:

Be it known that I, RICHARD HOPE PURNELL, of Rosedale, in the county of Bolivar and State of Mississippi, have invented a new and useful Improvement in Plow-Beams, of which the following is a specification.

My invention is an improvement in plow-beams, and has for its object a beam which will be easy and cheap to manufacture and with which the clevis, standard, and handles can be easily and securely joined.

The invention consists in certain details of construction, which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which like characters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of a plow with a beam of my improved construction. Fig. 2 is a transverse section on the line 2 2 of Fig. 1. Fig. 3 is a section taken on the line 3 3 of Fig. 1, and Fig. 4 is a perspective view of one of the couplings.

My improved plow consists of a section of wrought-iron or other suitable metallic pipe doubled upon itself at its middle, which forms the front or clevis-receiving end A of the beam, and the doubled pipe has shrunk thereon a suitable number of metallic bands or couplings B B′ B^2, of which the forward couplings B serve only the function of holding the doubled portions of the pipe rigidly together, while the coupling B′ is arranged to hold the standard C, and the coupling B^2 is arranged to hold the rear brace C′ of said standard and the plow-handles. For this purpose a hole is drilled vertically through the coupling B′ and the pipe and a bolt D is passed through said hole, the lower threaded end of the bolt being inserted through the head of the standard and held thereto by a nut. The rear end coupling B^2 is likewise drilled and the head of the rear brace C′ of the standard is held thereto by a bolt D′. This latter coupling B^2 is formed with a forwardly and downwardly extending recess E in each side, in which recesses the lower ends of the plow-handles F are adapted to fit, a bolt-hole being drilled laterally through the coupling, in the recessed portions thereof, and extending between the ends of the doubled pipe instead of through the pipe, and a bolt D^2, passing through said lateral opening and through the lower ends of the plow-handles, holds the handles securely to the coupling.

By doubling the pipe the forward end A of the beam is given a non-circular form in cross-section, and the clevis G has a socket G′, of corresponding form, designed to fit over the said end of the beam and formed with lateral alined apertures G^2, located at such points in the socket that the connecting pin or bolt D^3 will extend between the doubled portions of the pipe and rest against the forward doubled end, as shown.

It is evident that the beam can be very easily and cheaply made, that the act of doubling the pipe forms a non-circular clevis end without further labor, so that the clevis will not turn thereon, and that the clevis can be securely held on the end of the beam by a bolt passed through the clevis and between the doubled portions of the beam, thus doing away with the necessity of drilling a hole through the beam at such point.

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

1. In a plow, a beam formed of a section of pipe doubled closely upon itself, couplings securing the doubled portions of the pipe rigidly together, a clevis on the forward doubled end of said beam, and a connecting device passed through said clevis and extending between the doubled portions of the beam, as set forth.

2. In a plow, a beam formed of a section of pipe doubled upon itself, a series of couplings securing the doubled portions rigidly together, bolts passed vertically through two of said couplings and adapted to hold the standard and standard-brace thereto, and the rear coupling being formed with a forwardly and downwardly extending recess in each side in which the handles are adapted to fit, a bolt being passed laterally through said coupling in the recessed portions thereof and adapted to hold the handles in place, as and for the purpose set forth.

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

RICHARD HOPE PURNELL.

Witnesses:
L. E. EDWARDS,
W. A. SHELBY.