

UNITED STATES PATENT OFFICE.

JOHN A. SMITH, OF SHOE HEEL, NORTH CAROLINA.

PLOW.

SPECIFICATION forming part of Letters Patent No. 346,780, dated August 3, 1886.

Application filed December 24, 1885. Serial No. 186,617. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. SMITH, a citizen of the United States, residing at Shoe Heel, in the county of Robeson and State of North Carolina, have invented certain new and useful Improvements in Plows; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to plows, the object being to provide improved means whereby the position of the plows with relation to the beam may be readily and easily changed.

A further object of the invention is to provide a plow which shall be simple in its construction, strong and durable, effective in its operation, and cheap to manufacture.

With these ends in view the invention consists in the improved construction and combinations of parts hereinafter fully described, and pointed out in the claim.

In the drawings, Figure 1 is a perspective view of a plow embodying my invention. Fig. 2 is a plan view, and Fig. 3 is a longitudinal vertical section, of the same.

Corresponding parts in the several figures are denoted by the same letters of reference.

Referring to the drawings, A represents the plow-beam, to one side of which, about midway its ends, is journaled a wheel, B, which aids in supporting the plow and causes the same to travel more easily. At the rear end of the beam A is swiveled a beam, C, which may be of a length sufficient to accommodate any desired or suitable number of plows or shovels. Depending from the beam C at suitable intervals, are standards D, which are provided with vertical slots, said standards having their front faces slightly curved.

E E represent bull-tongue or shovel-plows, which are secured to the front faces of the standards in the following manner: Bolts b pass through openings e in the plows and

through the slots in the standards. Nuts d are then screwed upon the threaded ends of the bolts and tightened, thus firmly securing the plows in place. It will be seen that if desired the plows or shovels may be vertically adjusted, such adjustment being limited only by the length of the slots in the standards.

G represents a segmental or arc-shaped metal plate, the ends of which are secured to the beam C in any suitable manner. This plate G is formed with a series of openings, e, any one of which is adapted to register with an opening, f, formed in the beam A.

H represents a bolt which is adapted to pass through any one of the series of openings in the arc-shaped plate and the opening in the beam A, said bolt being provided with a nut, h, by which it may be tightened to hold the beams A and C rigidly together. It will be seen that by removing the bolt the beam C, carrying the plows or shovels, may be adjusted to any desired position and securely held at such adjustment.

A plow constructed as before described is simple in its construction, the several adjustments may be readily and quickly made, is strong and durable, effective in its operation, and may be manufactured and supplied at a comparatively slight cost.

Having thus described my invention, I claim—

The combination, with a beam carrying centrally a wheel or roller, of a pivoted cross-beam at the rear end thereof, a curved perforated plate for adjustably connecting the beams and plows or shovels on the beam C, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN A. SMITH.

Witnesses:

J. W. HARTMAN,
A. M. McLEAN.