(No Model.)

E. P. LARÉE.

PLOW.

No. 302,661. Patented July 29, 1884.

Fig. 1.

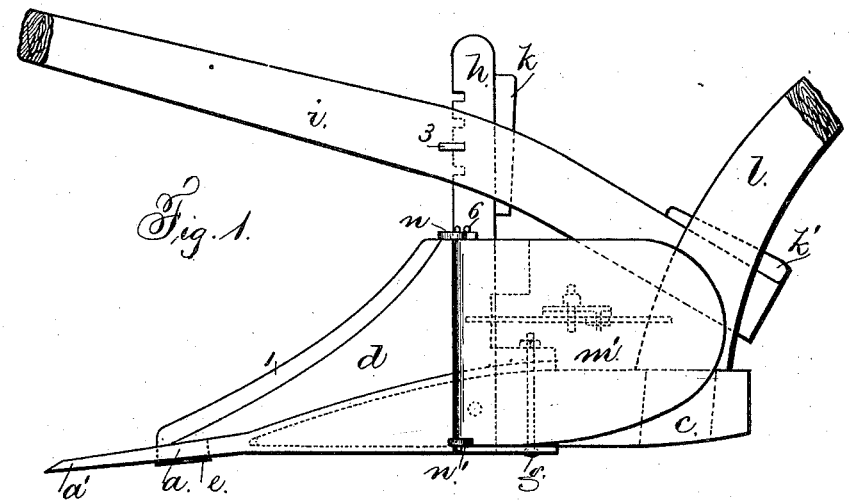


Fig. 3.

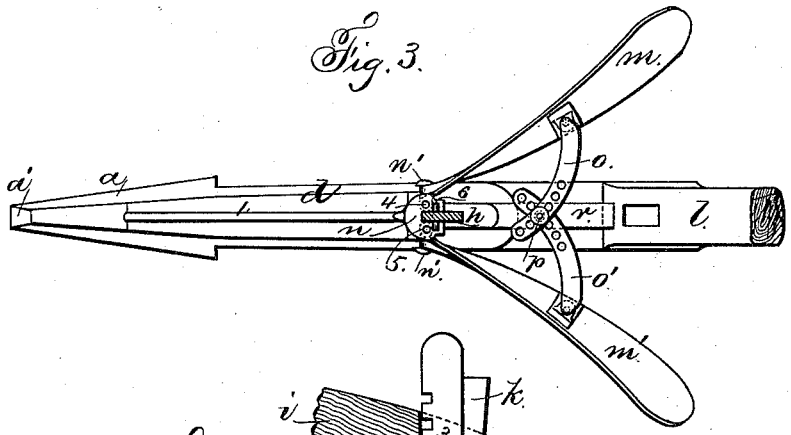
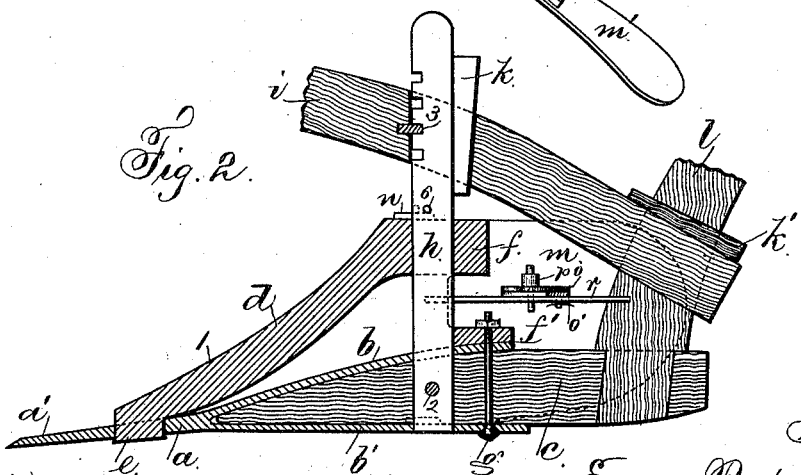


Fig. 2.



Witnesses
Harold Serrell
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UNITED STATES PATENT OFFICE.

EUGENIO PRÓSPERO LARÉE, OF SANTA CLARA, CUBA, ASSIGNOR TO HIMSELF AND HILARIO YSABA Y LAZARTE, OF SAME PLACE.

PLOW.

SPECIFICATION forming part of Letters Patent No. 302,661, dated July 29, 1884.

Application filed December 24, 1883. (No model.)

To all whom it may concern:

Be it known that I, EUGENIO PRÓSPERO LARÉE, of Santa Clara, in the Island of Cuba, have invented a new and useful Improvement in Plows; and the following is declared to be a description of the same.

My invention relates to that class of plows or cultivators wherein the soil is turned over at each side of the plow by a double mold-board; and my improved plow is especially adapted for use in the cultivation of sugar-cane, tobacco, and corn.

My invention consists in a plow wherein the colter and share are of peculiar shape and construction, and are held together by a projection upon the colter and by a standard passing through both, and wherein said standard is adjustably connected to the beam, and the double mold-board is adjustable and can be spread or contracted and be held in place by a pin and segments attached to the mold-boards.

In the drawings, Figure 1 is an elevation of my improved plow. Fig. 2 is a vertical longitudinal section of the same, and Fig. 3 is a plan of the same.

The plowshare *a* is constructed with the chisel-shaped end *a'* and the arms *b b'*, and the handle-beam *c* is made wedge-shaped on the forward end, and fits into and between the arms *b b'*.

The colter *d* is sharpened upon its inclined forward edge at 1, and sectionally is quite thick in front, and it is made with a projection or nose, *e*, that passes through a mortise in the share *a*, and is riveted up secure. The back of the colter *d* is constructed with two projections, *f f'*, the projection *f'* and lower edge of the colter resting upon the share *a* and arm *b*, and I employ a bolt, *g*, passing through the projection *f*, arms *b b'*, and beam *c*, securing them firmly together.

The standard *h* passes through a mortise or slot in the projection *f*, and also through a slot in the arms *b b'* and beam *c*, and it is fastened in place by a bolt, 2, through the beam *c*. The upper part of the standard *h* is notched and passes through a mortise in the draft-beam *i*, and there is a cross-pin, 3, of metal, in the beam *i*, that enters one of the notches in the standard *h;* and I employ a wedge, *k*, to lock those parts after the pin 3 has been put in the right notch, giving the plow the proper pitch or draft.

The end of the handle-piece *l* is mortised into the beam *c*, and there is a mortise in *l*, also, for the tenon upon the end of the draft-beam *i*, and I employ a wedge, *k'*, to secure these parts together after adjustment and during use. Any desired form of handles may be employed upon the handle-piece *l*.

The double mold-boards *m m'*, of thin cast metal, are pivotally connected to plates *n n'* by pins 4 5 at the sides of the colter *d* and beam *c*, and I employ segments hinged to the mold-boards; and said segments are held in position upon a bar, *r*, by a pin, *p;* and I provide holes in the segments for said pin, so that the spread of the mold-boards can be regulated at will by the user.

I have shown a pin, 6, above the plate *n* and through the standard, for keeping or assisting in keeping the parts in place.

This construction of plow is especially adapted to the cultivation of sugar-cane, tobacco, and corn, and it is possible with its adjustable mold-boards to throw more or less soil over at each side, according to the spread of the mold-boards.

The parts of this plow can be separated, and they are inexpensive.

I claim as my invention—

1. The combination, in a plow, of the share *a*, arms *b b'*, beam *c*, colter *d*, projections *f f'*, standard *h*, draft-beam *i*, handle-piece *l*, mold-boards *m m'*, and means, substantially as set forth, for connecting said parts together, for the purposes described.

2. In a plow, the combination, with the share *a*, arms *b b'*, and colter *d*, of the projections *f f'* upon said colter, the standard *h*, passing through the parts, bolts for connecting the colter-beam and share together and to the standard, and the adjustable mold-boards *m m'*, as and for the purposes set forth.

3. In a plow, the combination, with the handle-beam, of the notched standard *h*, the mortised draft-beam *i*, and handle-piece *l*, a pin, 3, in the draft-beam for engaging the notches in the standard, and wedges *k k'*, for locking and holding the parts in place, as and for the purposes set forth.

Signed by me this 13th day of December, A. D. 1883.

E. P. LARÉE.

Witnesses:

GEO. T. PINCKNEY,

HAROLD SERRELL.