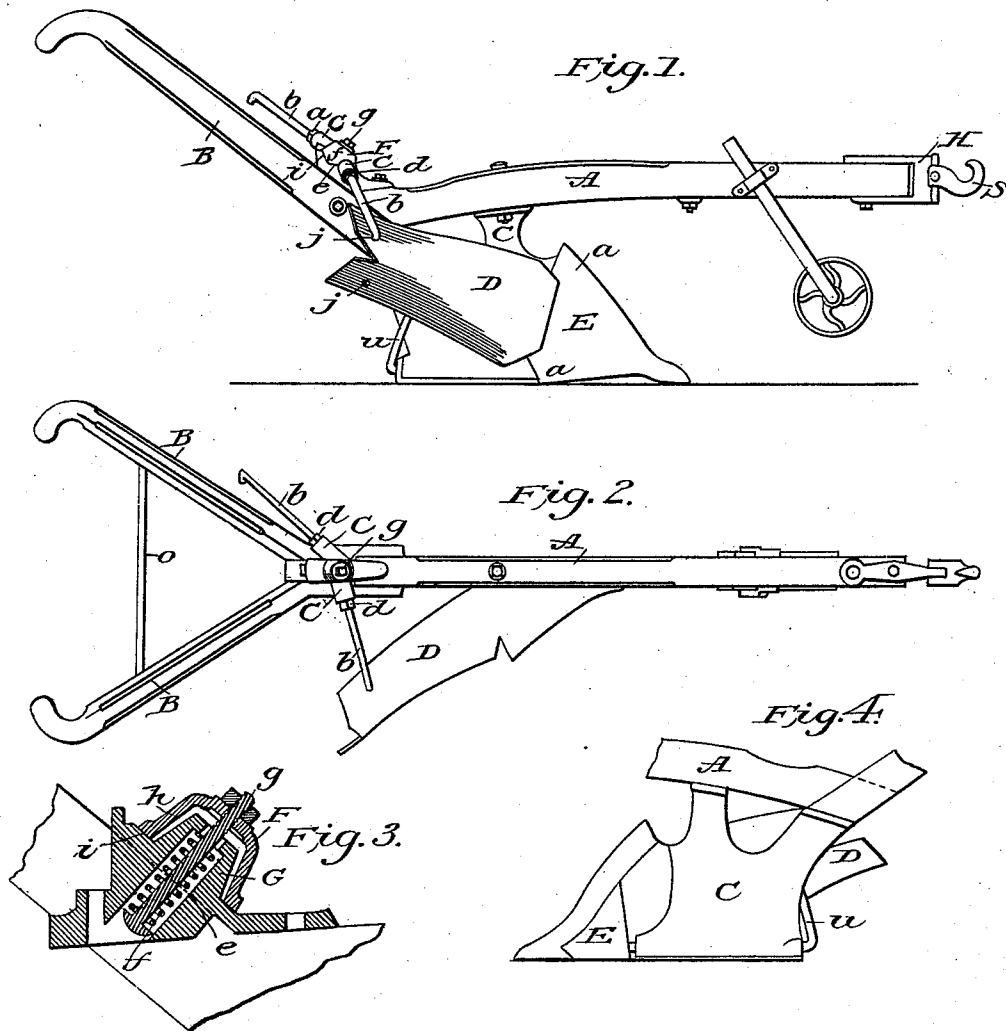


(No Model.)

C. M. LUFKIN.
SWIVEL PLOW.

No. 570,177.

Patented Oct. 27, 1896.



Witnesses.

Hattie L. Lufkin
C. E. Lufkin

Inventor.

Charles M. Lufkin

UNITED STATES PATENT OFFICE.

CHARLES M. LUFKIN, OF LANGDON, NEW HAMPSHIRE.

SWIVEL-PLOW.

SPECIFICATION forming part of Letters Patent No. 570,177, dated October 27, 1896.

Application filed April 30, 1891. Serial No. 391,165. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. LUFKIN, a citizen of the United States, residing at Langdon, in the county of Sullivan and State of New Hampshire, have invented a new and useful Improvement in Swivel-Plows, of which the following is a specification.

My invention relates to an automatic adjusting-latch, the object of which is to facilitate reversing the plow, as shown in the accompanying drawings, in which—

Figure 1 is a side elevation. Fig. 2 is a top view. Figs. 3 and 4 are detail views.

Similar letters refer to similar parts in the several views.

The beam A, handles B B, and landside or standard C constitute the framework of the plow. The moldboard D, including point or share E, provided with wings *a a*, is pivoted to the front end of the standard or landside C and to the rear end of the same by a V-shaped dog-brace, which is attached to the inner side of the moldboard D, on which it may be reversed from right to left, forming a right-hand plow or a left-hand plow, and held firmly in position by one of the hooks *b*, which are screwed into the arms *c c* of cap F and held in position by check-nuts *d d* or in any convenient way. The cap F is provided with a chamber which sits loosely on an up-right fulcrum G, provided with a chamber *e*, in which is set a spiral spring *f*, with a bolt *g*, passing up through the spring *f*, chamber *e*,

and cap F, holding it firmly down on the up-right G.

The under surface or bottom of cap F is provided with a series of inclined planes *h*, which correspond with a similar series *i* on the fulcrum G, arranged in such a manner that when the upper hook *b* is pushed downward the spring *f* is compressed. The lower hook *b* is raised from its catch *j* in the moldboard D, and the upper hook *b* is carried downward by means of the contraction of the spring *f*, operating on the inclined planes *h* and *i*, into position to latch automatically into the catch *j* on the opposite side when the plow is reversed, and the lower hook is carried upward into position to be used as a lever for unlatching the plow when reversing.

I am aware that prior to my invention plows have been made with reversible moldboards and automatic latches. I therefore do not claim such a combination broadly; but

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

In a swivel-plow, the combination of the fulcrum G, provided with inclined planes *i*, and chamber *e*, the spiral spring *f*, bolt *g*, and cap F, having inclined planes *h* and hooks *b b*, all constructed and arranged to operate substantially as set forth.

CHARLES M. LUFKIN.

Witnesses:

HATTIE L. LUFKIN,
ALMON B. LUFKIN.