2 Sheets—Sheet 1.

P. PATTYSON

SULKY-PLOW.

No. 172,825. Patented Feb. 1, 1876.

Fig. 1.

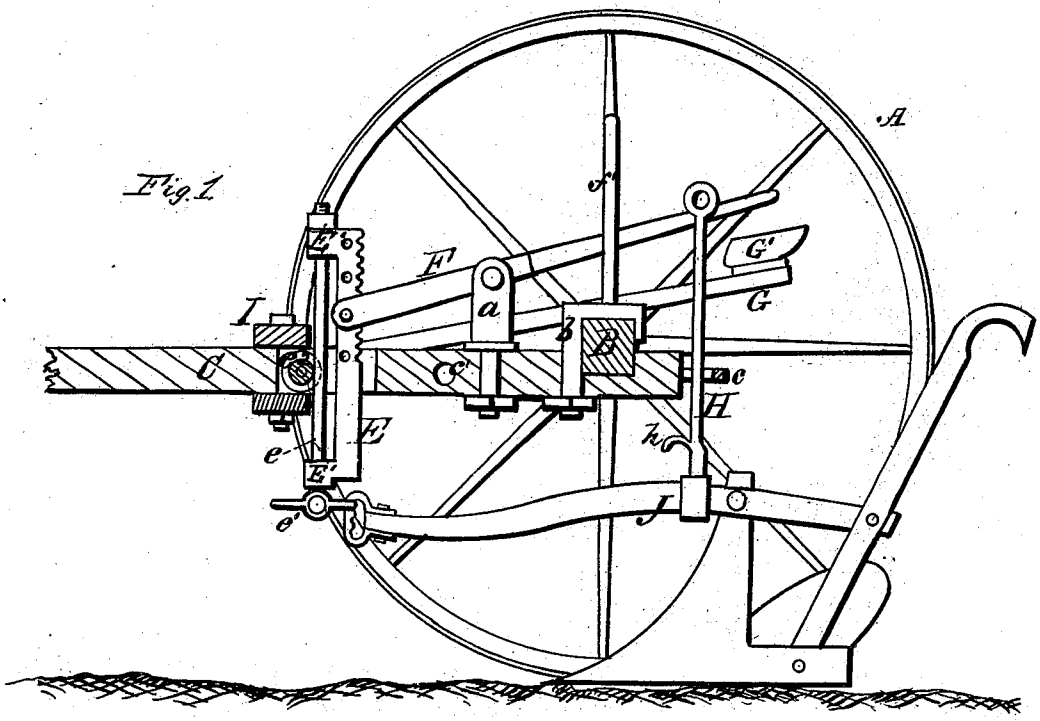
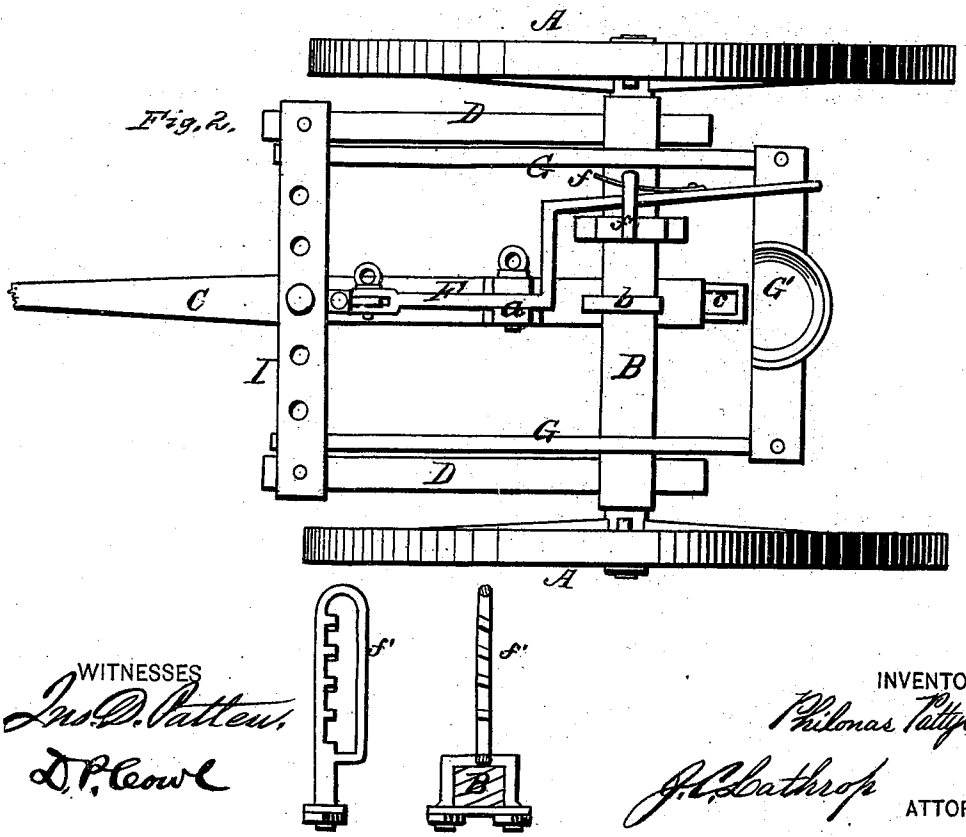


Fig. 2.



WITNESSES

Jas. D. Patten.

D. P. Cowl

INVENTOR

Philonas Pattyson

J. C. Lathrop

ATTORNEY

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

2 Sheets—Sheet 2.

P. PATTYSON.

SULKY-PLOW.

No. 172,825. Patented Feb. 1, 1876.

Fig. 3.

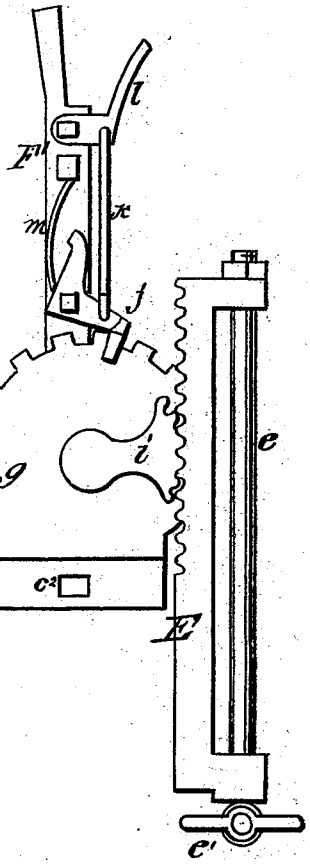
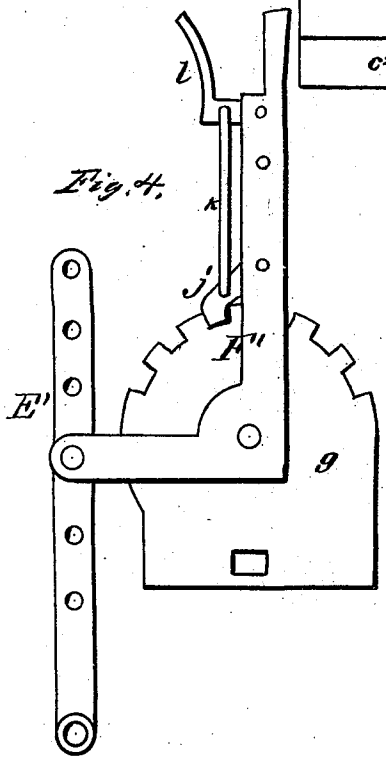


Fig. 4.



WITNESSES

Jno. D. Patten.

D. P. Cowl

INVENTOR

Philonas Pattyson

J. C. Bathrop ATTORNEY

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

PHILONAS PATTYSON, OF PLEASANT VIEW, KANSAS.

IMPROVEMENT IN SULKY-PLOWS.

Specification forming part of Letters Patent No. **172,825**, dated February 1, 1876; application filed October 26, 1875.

To all whom it may concern:

Be it known that I, PHILONAS PATTYSON, of Pleasant View, in the county of Cherokee and State of Kansas, have invented certain new and useful Improvements in Sulky Attachments for Plows and Harrows; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to sulky-plows; and it consists in the construction and arrangement of the devices for connecting and adjusting the plow to the sulky, as will be hereinafter more fully set forth.

In the annexed drawings, Figure 1 is a longitudinal section, and Fig. 2 a plan view, of a sulky-plow embodying my invention. Figs. 3 and 4 are modifications of certain parts thereof.

A A represent the wheels placed upon the ends of the axle B. D I is the frame, with tongue C. G′ is the seat, and G G the seat-supporting arms.

The rear end of the tongue C is held to the axle B by a clip, *b*.

On the tongue is secured a forked standard, *a*, in which a lever, F, is pivoted, the rear end of said lever being angular, as shown in Fig. 2, and passed through a vertical slotted standard, *f′*, having one side notched and the lever pressed into the same by a spring, *f*.

The front end of the lever F is forked, and straddles, and is pivoted to a vertical bar, E, which passes through a slot in the tongue. This bar has at its ends forward-projecting ears, through which is passed a rod, *e*, bearing against a grooved pulley, e^2, for support.

At the lower end of the rod *e* is swiveled a coupling, e^1, constructed as shown in Fig. 1, so that one or two plows may be coupled thereto.

In the drawing I have shown only one plow fastened to the coupling, but two plows may be attached thereto and operated together.

The front end of the plow-beam J is raised and lowered at will by means of the lever F, and held at any point desired by the spring *f* forcing the lever into the notched or rack standard *f′*.

Over the beam J is passed a loop formed on the lower end of a rod, H, which passes up through a staple, *c′*, in the rear end of the tongue C. This rod is formed with a hook, *h*, so that the plow may be held up by simply raising the rod and suspending the hook *h* on said staple *c′*.

The bar E may be formed with cogs in its rear edge, and operated by means of a cogged arm, *i*, as shown in Fig. 3, said cogged arm being then pivoted to a ratchet-plate, *g*, and operated by a lever, F′, having an ordinary spring-pawl, *j m*, connected by a rod, *k*, with a thumb-piece, *l*; or a straight standard or plain bar, E′, may be used to be operated by the elbow-lever F′, and the same pawl and ratchet device used.

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

The bar E, having perforated ears E′, the swiveled post *e*, with its clevis device *e′*, and the friction-pulley *e″*, in combination with the angular lever F, or its equivalent, and with the plow-beam and frame, all constructed substantially as shown and described.

In testimony that I claim the foregoing as my own, I herewith affix my signature in presence of two witnesses.

PHILONAS PATTYSON.

Witnesses:

CORNELIA B. WAGER,

SAMANTHA A. KERN.