

E. F. HERRINGTON.

Harvester Pitmen-Guides and Holders.

No. 153,436.

Patented July 28, 1874.

Fig 1.

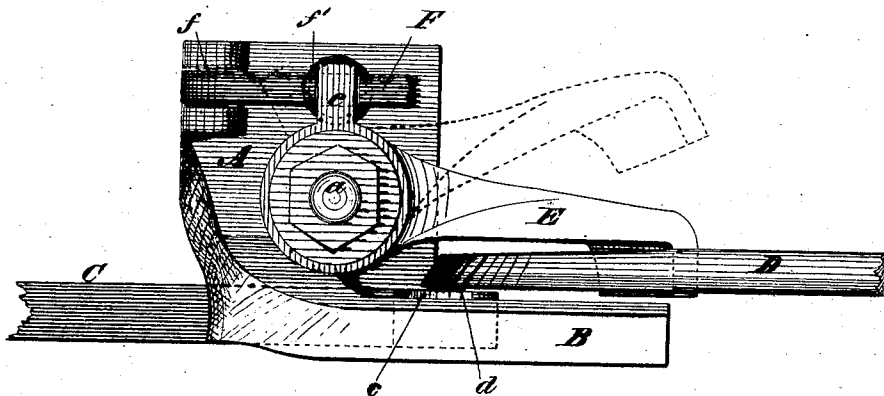


Fig 2.

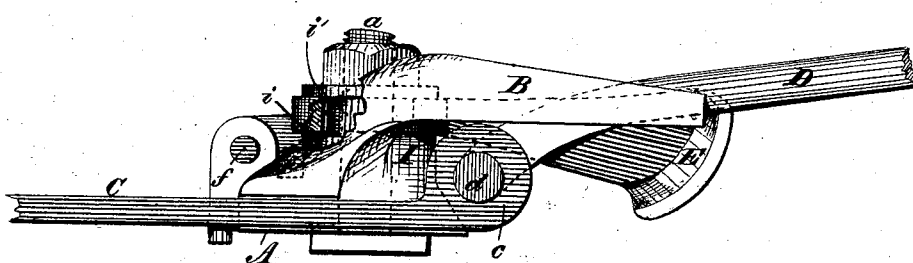
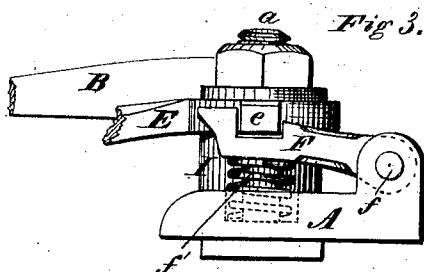


Fig 3.



WITNESSES

H. H. Young
Harry Young

E. F. Herrington INVENTOR

By

Wm. D. Baldwin, his Attorney

UNITED STATES PATENT OFFICE.

EPHRAIM F. HERRINGTON, OF WEST HOOSICK, NEW YORK.

IMPROVEMENT IN HARVESTER-PITMEN GUIDES AND HOLDERS.

Specification forming part of Letters Patent No. **153,436**, dated July 28, 1874; application filed July 8, 1874.

To all whom it may concern:

Be it known that I, EPHRAIM F. HERRINGTON, of West Hoosick, in the county of Rensselaer and State of New York, have invented certain new and useful Improvements in Harvester-Pitmen Guides and Holders, of which the following is a specification, reference being had to the accompanying drawings which make part of this specification, and in which—

Figure 1 represents a top or plan view of my improved apparatus. Fig. 2 is a front view thereof; and Fig. 3, a rear elevation of a portion of the same.

The base A, upon which the apparatus is mounted, forms the clip which ordinarily secures the finger-beam and shoe together and also holds the sickle down upon the finger-beam, the bolt *a*, which forms this connection, being in practice made long enough for this purpose. The horn B, which projects from the base or clip A, and under which the sickle-eye traverses, is of well-known form. The sickle C is provided with an eye, *c*, in which the hook *d* of the pitman D fits. The pitman is held in place by a guide, E, between which and the horn B the pitman works. This guide, as heretofore constructed, has been bolted rigidly to the base, thus necessitating the removal of the guide in order to take out or replace the sickle. In order to obviate this objection, I pivot this guide upon the base so that it shall be capable of swinging horizontally around its fulcrum, (which, in this instance, is the bolt *a*,) as shown in dotted lines in Fig. 1; when thus swung out, the pitman can be readily removed or replaced. To lock the guide in its working position, I form

a stud or bolt, *e*, upon the guide E, which stud takes into a spring-catch, F, pivoted at *f*, on the base A, so as to play freely up and down, and held up by a spring, *f'*. This catch can readily be released from the stud by bearing down upon it. The bolt *a*, in this instance, passes through a short tubular post, I, around which the guide E swings; a shoulder, *i*, is turned upon the post to support the guide, while the collar or turned-down portion *i'* of the tube extends up above the guide to receive the washer and nut by which the bolt is secured; the guide is thus relieved from friction.

A nut and loose thimble might be substituted for the solid base and collar above described, if desired, but I prefer the way I have shown.

I claim as of my invention—

1. The combination of the clip, the horizontally-turning guide, and the spring-latch, these members being constructed and operating substantially as set forth, to permit of the removal or replacement of the pitman, while holding it securely in position.

2. The combination of the clip, the post cast thereon, the shoulder on the post, the guide turning thereon, and the bolt passing through the clip, post, and guide, and the nut which holds down the guide, all these members being constructed and operating as set forth.

In testimony whereof, I have hereunto subscribed my name.

E. F. HERRINGTON.

Witnesses:

E. C. DAVIDSON,
B. H. MORSE.