

S. B. HOWARD.
Pitman-Connection.

No. 168,254.

Patented Sept. 28, 1875

Fig. 1.

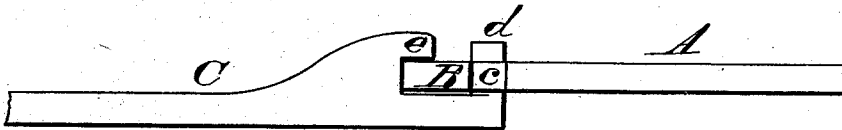


Fig. 2.

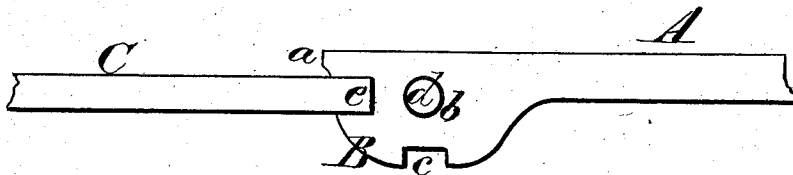


Fig. 3.

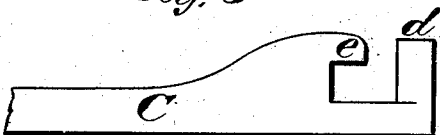
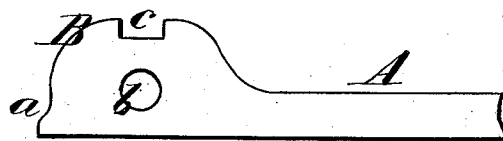


Fig. 4.



WITNESSES
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UNITED STATES PATENT OFFICE.

SYLVESTER B. HOWARD, OF GILMAN, ILLINOIS.

IMPROVEMENT IN PITMAN-CONNECTIONS.

Specification forming part of Letters Patent No. **168,254**, dated September 28, 1875; application filed July 31, 1875.

To all whom it may concern:

Be it known that I, SYLVESTER B. HOWARD, of Gilman, in the county of Iroquois and State of Illinois, have invented a new and valuable Improvement in Hinge and Couplings; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figures 1 and 2 of the drawings are representations of plan views of my device, and Figs 3 and 4 are detail views of the same.

This invention has relation to hinges for pitman-rods and for other purposes; and the nature of the invention consists in a segmental enlargement, which is notched and perforated, in combination with a pivot and a hooking portion, as will be hereinafter explained.

In the annexed drawings I have represented my invention applied to a pitman-rod and sickle-bar for reapers and mowers.

A designates a sickle-bar, on the inner end of which is formed a segment, B, terminating at the inner extremity of the bar A in a shoulder, *a*. An eye, *b*, is made through the segment B and just above this eye a rectangular notch, *c*, is made in the segment, for a purpose hereinafter explained. C designates the pitman-rod, one end of which is enlarged laterally and constructed with a pivot, *d*, and a hook, *e*. The pivot *d* is at right angles to the length of the pitman-rod C and is inserted through the hole or eye *b* and the hooking portion *e* is in line with the pitman-rod and overlaps the segment B, as shown in Fig. 1.

The pitman-rod is attached to the sickle-bar by holding the frame in a position perpendicular to the latter and inserting the pivot *d* through its eye, and the tongue or hook *e* through the notch *c*. The sickle-bar is then brought down into working position, in which position the hook *e* overlaps the inner portion of the segment B, and safely retains the pivot in its place—at the same time prevents the parts from binding.

It is obvious that my invention is applicable wherever a lock-joint is desired, such, for instance, as to gate-hinges, blind-hinges, couplings for shafts, &c.

I am aware that a pitman-connection for harvesters has heretofore been employed, in which a lip overhangs the head and prevents the displacement of the pitman when it works, as shown in United States Letters Patent, dated January 14, 1873, No. 134,954, and I, therefore, lay no claim to such invention.

What I claim, and desire to secure by Letters Patent, is—

The sickle-bar A, having the segment B, notch *c*, and stop *a*, in combination with the pitman C, provided with the recessed head, pintle *d*, and hook *e*, substantially as described, and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

SYLVESTER B. HOWARD.

Witnesses:

JOHN D. LELAND,
W. P. GARDNER.