

J. F. BEDNAR.
Draft-Hook.

No. 217,194.

Patented July 8, 1879.

Fig. 1.

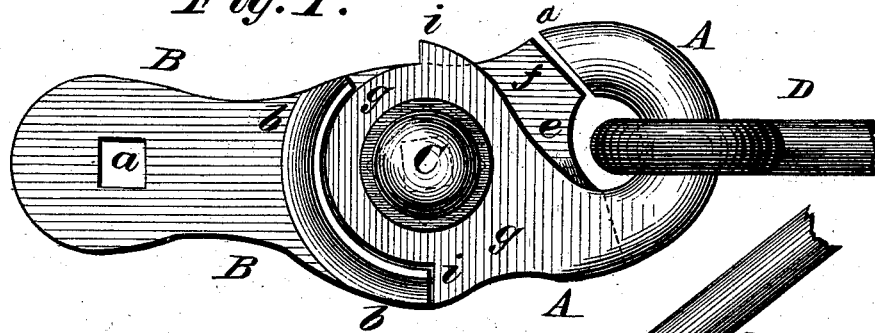


Fig. 2.

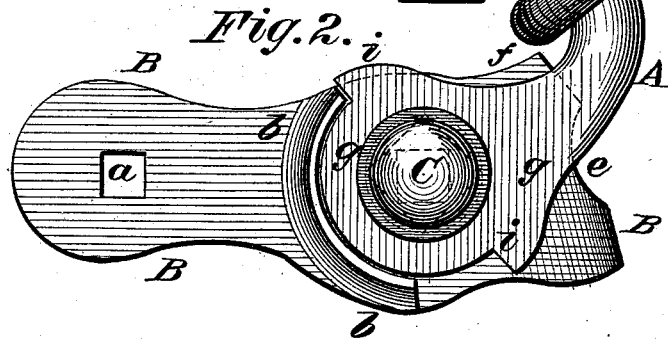


Fig. 3.

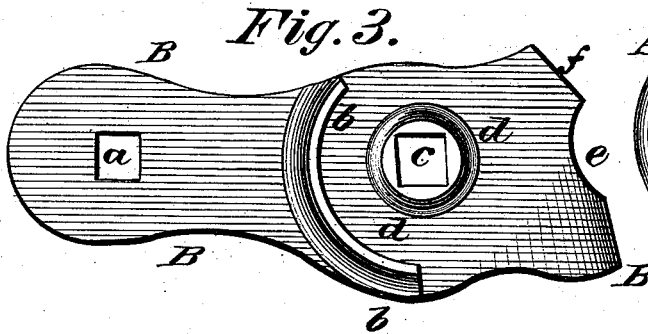
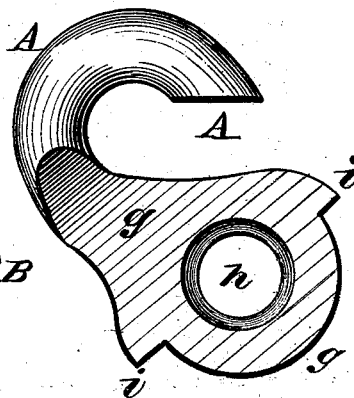


Fig. 4.



Witnesses:

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JOSEPH F. BEDNAR, OF STERLING, ILLINOIS.

IMPROVEMENT IN DRAFT-HOOKS.

Specification forming part of Letters Patent No. **217,194**, dated July 8, 1879; application filed March 3, 1879.

To all whom it may concern:

Be it known that I, JOSEPH F. BEDNAR, of the city of Sterling, in the county of Whiteside and State of Illinois, have invented certain new and useful Improvements in Draft-Hooks; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in draft-hooks, chiefly for harrows; and the object of my invention is to provide a means of attachment, which, while it shall be perfectly secure in operation, shall also be readily detachable.

Figure 1 is a side elevation of my invention in use; Fig. 2, the same in the position of being detached. Fig. 3 is a detached view of the plate B. Fig. 4 is the same of the hook A.

B is a metallic plate adapted to be fastened to the side of the harrow-beam or other weight to be drawn by means of the bolt-hole *a*. The plate B is further provided with the segmental flange *b*, having its outer side sloping and inner side perpendicular. Passing laterally through the plate B is the hole *c*, around the outer edge of which is formed the boss or sleeve *d*. The plate B at its front end has the concave edge *e* and forward-projecting spur *f*.

A is a hook having about a half-circular front part, terminating at beveled end or point *a*, and a flat shank, *g*, through which latter there is a hole, *h*, sufficiently large to loosely fit over the boss *d* of the plate B. The rear of the shank *g* is circular-shaped to fit against the inner side of the flange *b* of the plate B.

At either end of the circular-shaped portion of the shank *g* are formed therein the recesses *i i*, which, by engaging respectively the ends of the flange *b*, serve as seats or stops for the hook A.

C is a screw-bolt passing through the shank *g*, boss *d*, and plate B, and which, by the use of the boss *d*, can be tightly drawn

without interfering with the oscillation of the hook A.

D is an eyebolt through which the draft is applied, and here used to illustrate the operation of the hook.

The mode of operating is as follows: After the parts are put together as described, and fastened to the side of the harrow-beam or other thing to be drawn, the hook A is rotated on the boss *d* about half-way to the perpendicular, when the eye of the bolt D is slipped on the hook. The latter is then permitted to fall to the horizontal, carrying with it the bolt D.

It is impossible for the bolt D to become accidentally unfastened for two reasons—first, the spur *f* prevents it from passing over the end *a* of the hook; and, second, the upward oscillation of the hook A upon any backward pressure of the bolt D makes it necessary for the latter, in order to escape, to assume the perpendicular position, which, in view of its forward attachment, is practically impossible.

A chain, ring, or clevis can be substituted for the eyebolt D; and it is evident that by making the plate B thicker, and making the rear attaching-hole vertical, the hook can be attached on the top of the beam if desired.

My invention can be cheaply cast, and affords a durable, strong, safe hook, having no projecting points to entangle with other objects, and having no springs or other fragile parts to become broken.

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

The hook A, turned upward and pivoted so as to remain closed by its own weight, and having beveled end *a* and recesses *i i*, operating as rests or stops, in combination with the plate B, having spur *f* and the flanges *b*, to engage the recesses *i i*, substantially as and for the purpose set forth.

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

JOSEPH F. BEDNAR.

Witnesses:

JOHN M. GALT,
C. H. TUTTLE.