

Pat. June 9, 1870

D. G. Kittenhouse,

Cotton Scraper.

No. 103,930.

Patented June 9, 1870.

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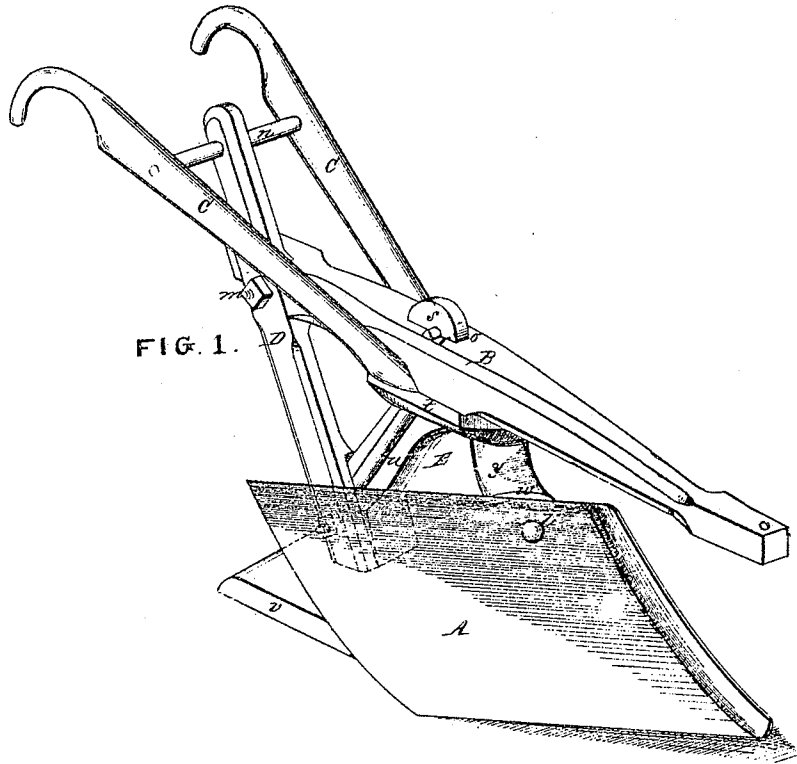


FIG. 1.

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X

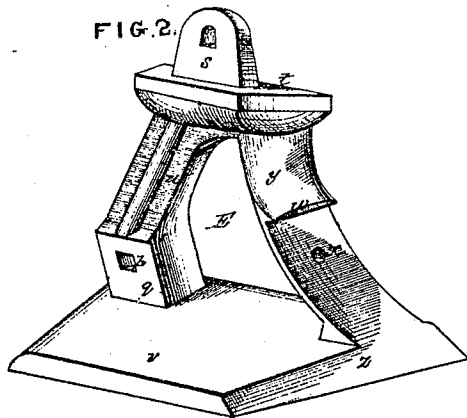


FIG. 2.

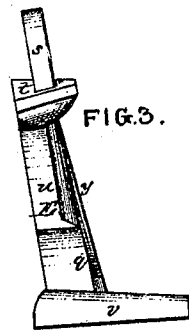


FIG. 3.

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DANIEL G. RITTENHOUSE, OF SHELBY DEPOT, TENNESSEE.

IMPROVED COTTON-SCRAPER.

Specification forming part of Letters Patent No. 103,930, dated June 7, 1870.

To all whom it may concern:

Be it known that I, D. G. RITTENHOUSE, of Shelby Depot, in the county of Shelby and State of Tennessee, have invented a new and useful Improvement in Cotton-Scrapers, which is described as follows:

The improved implement to which my invention relates consists of a suitable mold-board or extended share, a "cast-frame" of peculiar construction, for the support of such mold-board, a straight, or approximately straight, beam attached to said frame at a point intermediate to its ends, a pair of handles, and a brace extending from a strut of the handles to the heel of the frame, and attached intermediately to the rear end of the beam, as hereinafter set forth. The advantages claimed for the same are superior lightness, strength, and ease of handling, with increased simplicity and cheapness.

In the accompanying drawings, Figure 1 is a mold-board side perspective view of my improved cotton-scraper adjusted for work. Fig. 2 is a view similar to Fig. 1 of the cast-frame of the same detached. Fig. 3 is a rear elevation of said frame.

Similar reference-letters indicate like parts in the several figures.

A in the drawings represents a scraper mold-board; B, a straight beam; C C, handles; D, a stiffening-brace; and E my improved cast frame for uniting these parts. The said frame is constructed with the usual inclined front, *z*, for the support of the mold-board, an inclined standard, *y*, forming a part of the front, and provided with suitable means, *x w*, for attaching the mold-board, and a sole-plate, *v*. It is further constructed with a supplementary standard, *u*, extending upward and forward from at or near the rear end of the sole *v*, and terminating with the standard *y*, in a head, *t*, on which the beam is fastened by a staple or perforated lug, *s*, projecting from said head and traversing the same, and a key, *r*, introduced in said staple above the beam.

The supplementary standard *u* is provided at its lower extremity with a flat side, *q*, and a bolt-hole, *p*, or their equivalent, for the attachment of the lower end of the stiffening-brace D. The frame E is further constructed with its standards *y u* inclined or leaning to the land, as clearly shown in Fig. 3, to remove the support of the beam, and thus counterbalance the weight on the mold-board to facilitate controlling the implement. The beam B is provided with the mortise *o*, for the reception of the staples of the frame, at a point removed from its rear end, as shown, its rear end being adapted for connection with the brace D. It will be adapted, further, at its front end for the reception of a suitable clevis. The brace D extends from a strut, *u*, of the handles C past the rear end of the beam B, where it is attached, *m*, to the attaching-surface *q* of the frame. It will be observed that a perfectly rigid joint of great strength is thus formed between the beam-handles and frame, while the latter may be very light and neat.

The mold-board A may be attached by a single bolt, *l*, entering a hole, *x*, in the frame, its upper edge being supported by a shoulder, *w*, or by other suitable means.

I claim as new and of my invention—

1. In a cotton-scraper, the frame E, having the supplementary standard *u*, with its attaching-surface *q* and bolt-hole *p*, and the head *t*, with its staple *s*, substantially as shown and described, for the purpose set forth.

2. The arrangement of the mold-board A, beam B, handles C C, stiffening-brace D, and frame E, constructed substantially as represented and described, as and for the purposes set forth.

To the above specification of my invention I have signed my hand this 24th day of February, 1870.

D. G. RITTENHOUSE.

Witnesses:

S. C. MADDOX,
G. E. FLEMING.