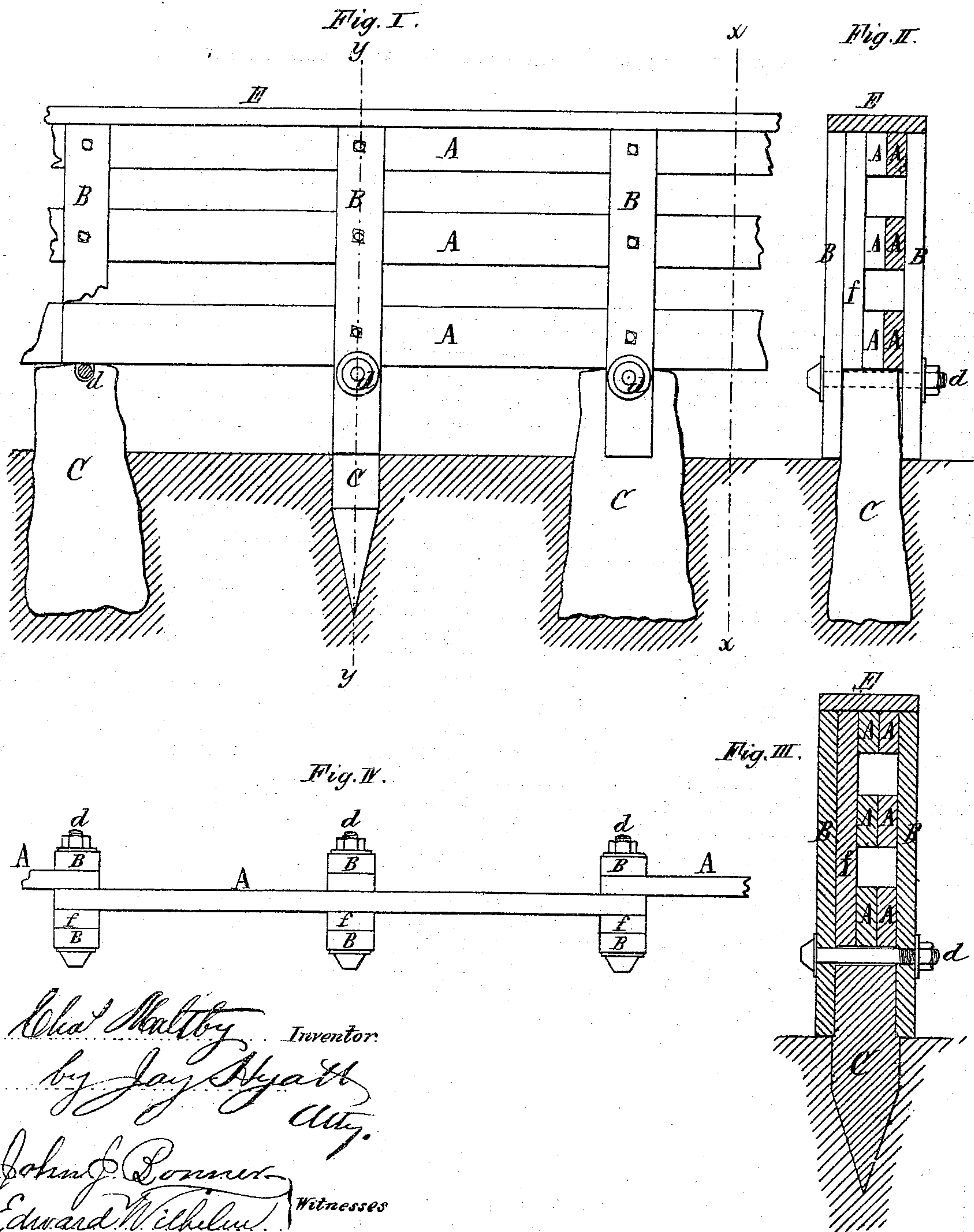


CHARLES MALTBY.

Improvement in Fences.

No. 128,157.

Patented June 18, 1872.



Charles Maltby Inventor.
by Jay Hyatt Atty.
John J. Connor
Edward M. Wilhelms Witnesses

UNITED STATES PATENT OFFICE.

CHARLES MALTBY, DECEASED, OF GLENWOOD, N. Y., BY BENJAMIN MALTBY,
ADMINISTRATOR, ASSIGNOR TO JOHN S. MALTBY, OF SAME PLACE.

IMPROVEMENT IN FENCES.

Specification forming part of Letters Patent No. 128,157, dated June 18, 1872.

SPECIFICATION.

I, CHARLES MALTBY, of Glenwood, in the county of Erie and State of New York, have invented an Improvement in Farm-Fences, of which the following is a specification:

My improved fence consists of boards or panels with their ends overlapping each other horizontally at the points of junction and secured between two vertical battens, the lower ends of which extend downward below the lower panel and embrace the upper end of a base post inserted in the ground, to which they are secured by a clamp-bolt, all as hereinafter set forth.

In the accompanying drawing, Figure I is a side elevation of a section of my improved fence. Fig. II is a vertical cross-section in line *x x*, Fig. I; Fig. III, a similar section in line *y y*, Fig. I. Fig. IV is a plan view thereof.

Like letters refer to like parts in each of the figures.

A A are the boards or panels with their ends overlapping each other horizontally; B B, upright battens applied on each side of the joints, so that a single nail, if of sufficient length, will pass through both battens and both ends of the meeting panels. C C are the base posts, which may be of stone or any other suitable material. They are inserted in the ground with their upper ends projecting a few inches above the ground, so as to form a rest for the lower panel of the fence. The lower ends of the panel extend downward sufficiently far to overlap and embrace the upper ends of the posts, and are firmly clamped thereto by means of a bolt, *d*, which passes through the battens and a notch in the upper ends of the posts, as clearly shown. E is a cap-board, applied in the usual manner. To give greater width between the lower ends of the battens, an extra space-batten, *f*, may be employed, if desired.

My improved fence, as above described, I have had in actual use for some time, and find that it gives good satisfaction. It possesses the following advantages, viz.: Cheapness of construction, by a saving of nails, and mak-

ing the ordinary finishing batten to take the place of and dispense with the main and upper portion of the usual posts. It can be made and put up with little labor, while the base-posts can be easily removed and replaced when they decay without taking down or destroying the fence. The bolts *d* not only secure the battens to the base post, but also serve to more firmly clamp to them the overlapping ends of the lower panels.

The panels or rails overlap in horizontal planes, thus widening the space between the battens, which not only enables the rails to be more firmly clamped, but also enables the battens to readily embrace a post whose upper end is of a size sufficient to insure great strength. This cannot be accomplished where the panels or rails overlap in vertical line, for only the single thickness of a rail intervenes between the battens, and the post to be embraced must of necessity be very thin at its top end. Another peculiarity in the construction of my improved fence consists in providing in the upper horizontal face of the post a groove or seat into which the straight securing-bolt *d* rests, so that if any event should loosen the hold of the battens upon the post the weight of the fence would rest upon the bolt, the tendency in such event being to bend the bolt and again tighten the battens against the post.

I am aware that fences have been made in which the battens are bolted to the stone base, and also fences with a stone base having the rails lying upon each other, and fences in which the rails overlap in horizontal planes.

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

The fence consisting of the panels A overlapping each other in horizontal planes, battens B, base posts C having a groove or notch in the top horizontal face, and the clamping-bolts *d*, the whole constructed and arranged as hereinbefore shown and described.

CHARLES MALTBY.

Witnesses:

BENJ. MALTBY,
MARY MALTBY.