(No Model.)

S. H. BRADEN.

FENCE.

No. 454,677. Patented June 23, 1891.

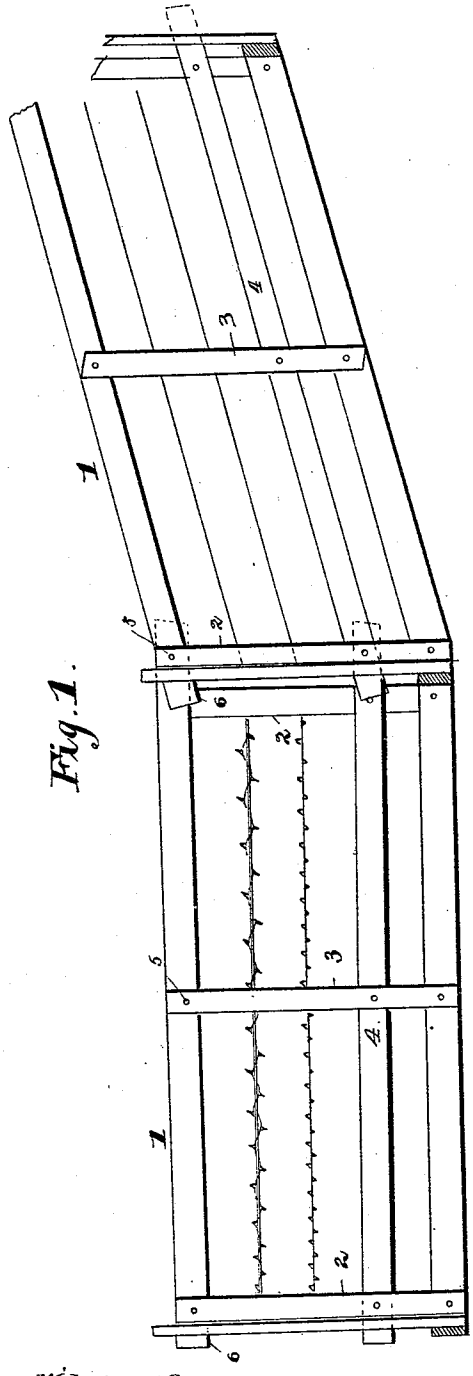


Fig. 1.

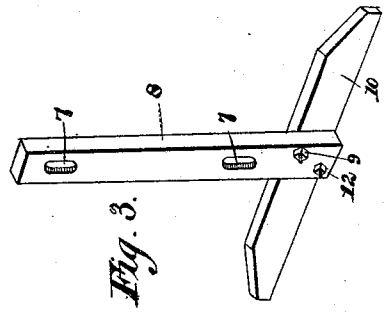


Fig. 3.

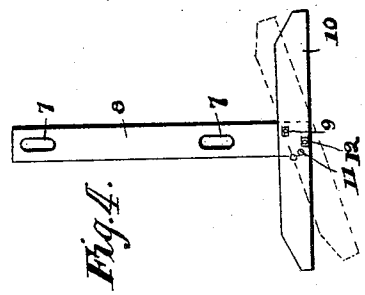


Fig. 4.

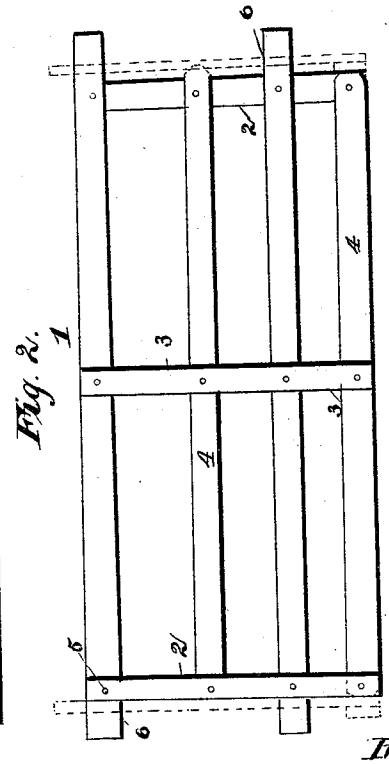


Fig. 2.

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UNITED STATES PATENT OFFICE.

SAMUEL H. BRADEN, OF LIPPINCOTT, PENNSYLVANIA.

FENCE.

SPECIFICATION forming part of Letters Patent No. 454,677, dated June 23, 1891.

Application filed June 28, 1890. Serial No. 357,116. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL H. BRADEN, a citizen of the United States, residing at Lippincott, in the county of Greene and State of Pennsylvania, have invented a new and useful Fence, of which the following is a specification.

The invention relates to improvements in fences.

The object of the present invention is to provide a simple, strong, and durable fence adapted to be readily erected and capable of conforming readily to the inclination of the ground should the surface be hilly or rolling.

Heretofore fences have been constructed and provided with posts each made in two parallel pieces forming an open slot for the ends of the horizontal bar or panel, and these vertical pieces have been secured to or within the sill-piece or between two sill-pieces and require the addition of some form of brace to give them rigid support. In some cases a single post has been employed without side braces, and they have been usually united with the sill-pieces by a tenon-and-mortise joint or some similar means, necessitating cutting into the sills, thereby forming water-catching cavities and exposing the porous ends of the wood to the weather instead of the sides, and causing a more rapid decay of the wood at the joint, which is the first place to rot.

The invention consists in the construction and novel combination and arrangement of parts hereinafter more fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a side elevation of a fence constructed in accordance with this invention. Fig. 2 is a side elevation of one of the section-panels of the fence. Fig. 3 is a detail perspective view of one of the posts. Fig. 4 is an elevation of the same and showing in dotted line the sill arranged at an angle to the post.

Referring to the accompanying drawings, 1 designates a section or panel of a fence composed of a series of sections or panels, each composed of vertical end bars 2, a central vertical bar 3, and horizontal rails 4, which are preferably secured together by bolts, wire nails, or the like 5, which pivotally connect the parts together and enable the panels or sections to be inclined and adjusted to the slope of the ground without liability of injuring them. The horizontal rails 4 have their ends 6 projecting beyond the end bars 2 and extending through mortises 7 of posts 8 and pivoted or bolted to the vertical end bar 2 of the adjacent section. Preferably only two of the horizontal rails 4 have their ends extended, and the space between these extended bars may be provided with barb-wire or the like, instead of bars or rails, if so desired. The posts 8 are arranged between the sections and are provided near their ends with the mortises or opening 7 to receive the extended ends 6 of the rails 4, and the lower end of the post 8 is secured by a bolt 9 to a sill 10, which is provided with an opening to receive the bolt 9 and a series of openings 11, adapted for the reception of a bolt 12 and capable of enabling the sill to be readily arranged at an angle to the post to conform to the inclination or slope of the ground and rigidly secure the sill to the post. The sill 10 extends upon both sides of the fence and may, if desired, be staked to the ground; but this is generally unnecessary. The bolts 9 and 12 are preferably arranged diagonally across the lower end of the post, which arrangement facilitates the adjustment of the sill and enables the perforations or openings to be placed so that the sill will not be materially weakened. The sill is first secured to the post by the upper bolt 9, and with this for a pivot it can be readily adjusted to any desired inclination. It will readily be seen that the sections or panel are capable of free vertical adjustment and enables the fence to fit over hills or into hollows without pulling, straining, or separating the panels at the top or bottom, as is the case with rigid sections.

The fence is easily and cheaply constructed, adjustable to all shapes of ground, adapted for even portable or permanent use, has no side braces or other side projecting parts except the ends of the sills at the ground, and is readily taken apart or set up. When taken apart, the panels are in convenient form for transportation and the post and sill may be readily taken apart, or by removing one bolt the post may be turned down parallel with the sill for convenience in handling and shipping.

Having described my invention, what I claim is—

In a portable and adjustable fence, the combination of the fence-panels flexibly connected together and capable of conforming to the contour of the ground and composed of horizontal rails and vertical bars pivoted to the rails, whereby a movement of the parts of a fence-panel is permitted, said fence-panels being provided with projecting ends 6, which are pivoted together, the fence-posts arranged between the fence-panels and provided with openings 7 to receive the projecting ends and having at their lower ends diagonally-arranged perforations, the pivot-bolts arranged in the upper perforations, the adjusting-bolt arranged in the lower perforations, and the sills provided intermediate their ends near their upper edges with openings to receive the pivot-bolts and near the lower edges with the curved series of perforations extending transversely of the sills to receive the adjusting-bolts, substantially as described.

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

SAMUEL H. BRADEN.

Witnesses:
R. H. PHELAN,
J. A. F. RANDOLPH.