Aug. 21, 1962 R. W. BLOCH ETAL 3,050,287

WOVEN PANEL FENCE

Filed Sept. 7, 1960

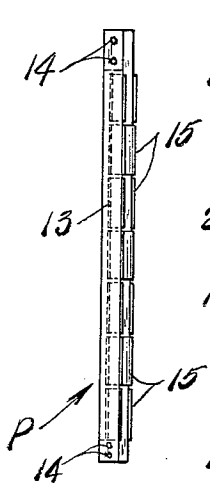


Fig. 4

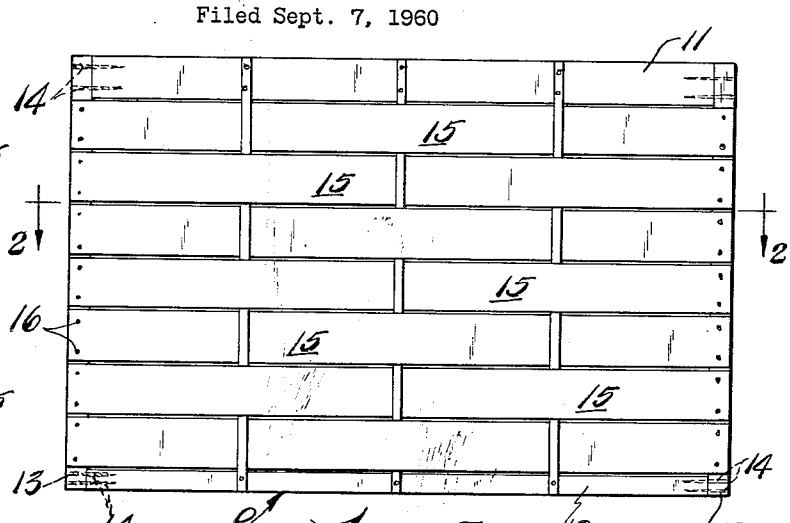


Fig. 3

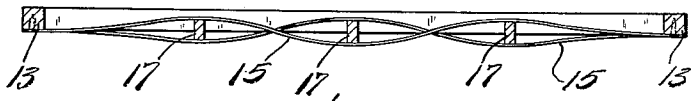


Fig. 2

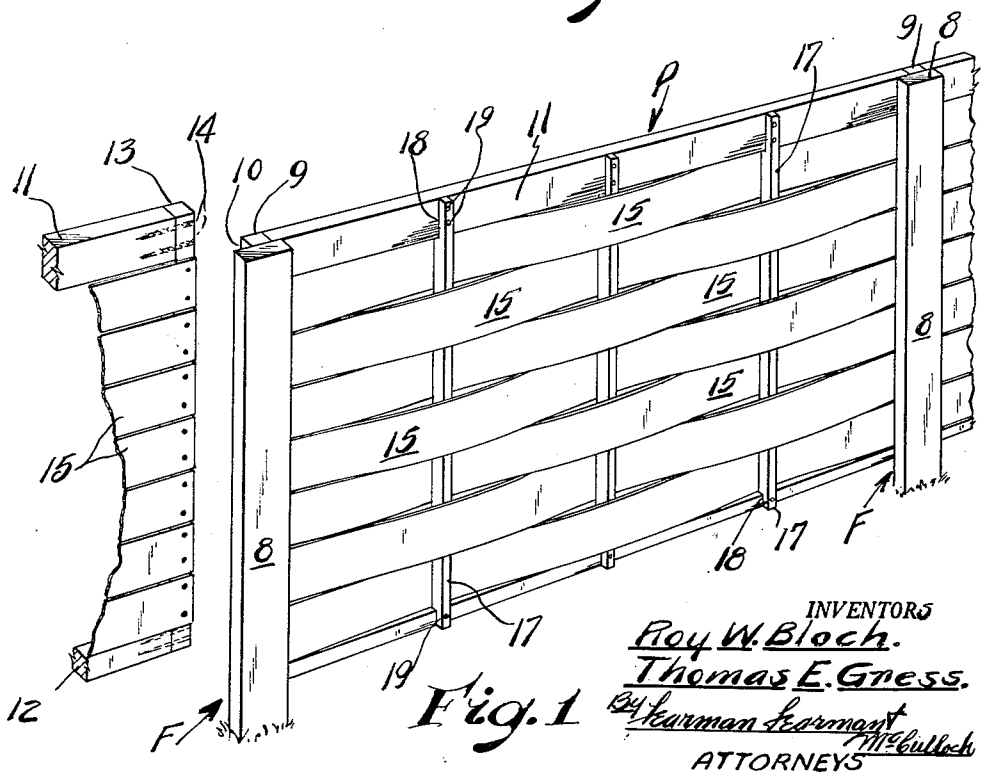


Fig. 1

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WOVEN PANEL FENCE

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This invention relates to fences in general and more particularly to woven fences, gates, panels, etc. consisting of a perimeter frame formed of wood or other suitable material to one side of which is applied sheets or strips of metal or other material suitably woven to present an artistic and attractive appearance.

One of the prime objectives of the invention is to provide a woven fence or panel which is more rigid and durable than presently existing fencing as it is not subject to splintering, warping and separation due to the woven strips being stressed in tension, and the end fasteners of the strips being in sheer.

Another object of the invention is to design a woven fence comprising a plurality of posts and panel units, each panel being made up of a perimeter frame of predetermined height and length and in which longitudinally disposed, vertically spaced metallic strips are secured and woven in such manner as to provide decorative and artistic panels which can be inserted and secured between aligned posts or supports to provide a screen and fence for protection of property and outside privacy, and also as enclosure for keeping children, household pets, etc. in a certain fenced in area, and also as a barrier for keeping animals and unauthorized persons out of said area.

Another object of the invention is to provide a plurality of a pre-fabricated panels adapted to be interposed between and connected to spaced-apart, prefabricated posts of predetermined, cross-sectional shape; said panels being in the form of individual units interposed between and secured to the flanges of the fence posts by use of screwnails or the like, which fastening means is completely shielded and protected from weather, and/or any other force tending to dislodge the fasteners.

A further object still is to provide a woven fence in which the posts are formed of standard two by fours, bundled and sold to the trade in general, said posts being T-shaped in cross section eliminating the use of large solid wood post members which are expensive to purchase and which would require expensive slotting and/or facing operations.

Still a further object is to provide a woven fence in which the assembled panels can be changed to present variations of designs as well as differences in height without altering the basic rigidity of the fence.

With the above and other objects in view, the present invention consists in the combination and arrangement of parts, hereinafter more fully described, illustrated in the accompanying drawing, and more particularly pointed out in the appended claims, it being understood that changes may be made in the form, size, proportion and minor details of construction without departing from the spirit, or sacrificing any of the advantages of the invention.

In the drawing:

FIG. 1 is a perspective view of our new fence showing a panel secured in position between a pair of posts, and a fragmentary view of another panel ready to set in position.

FIG. 2 is sectional plan view taken on the line 2—2 of FIG. 3.

FIG. 3 is a face, elevational view of one of the panel units.

FIG. 4 is an end, edge elevational view thereof.

Referring now more specifically to the drawing in which we have shown the preferred embodiment of our

invention. The letter F indicates a pair of spaced-apart fence posts, preferably formed of wood, each post being made up of a length 8 of standard two by four to the one face of which is secured, equidistant from the edges, another length 9 of ¾ by two, thus forming a fence post, T-shaped in cross section, and having opposed flanges 10 to which one end of a preassembled panel or unit P is secured, and in a manner to be presently described.

Each panel P comprises a perimeter frame of predetermined length and height and includes top, bottom, and end members 11, 12 and 13 respectively, the top member 11 being of greater width than the bottom member 12, and vertical end members 13 are rigidly secured to the outer ends of the top and bottom members by means of screw nails 14 or other suitable fastening means to form a rigid perimeter frame.

A plurality of strips of sheet aluminum or other metal strip 15 spans the vertical end members of the frame and are secured to said end members by means of nails 16 or the like, these strips being vertically spaced and are cut to length to provide necessary slack after nailing in position, to permit weaving after the panels have been erected between the posts. A plurality of notched stakes 17 are provided for weaving the aluminum strips (the number depending on the length of the panels) and the spacing desired.

To assemble the fence, a pair of prefabricated posts F are first laid level, in spaced relation, on a suitable support not shown, the prefabricated panel P is then placed in position, with the end vertical members 13 of the panel laid flat on the flanges 10 of the two posts. After aligning the posts and panel tops, nails are driven sidewise through the end verticals into the T-leg, after which the posts are secured in previously prepared post holes (not shown).

In practice, we find it is advantageous to erect the first panel with posts attached, and after erection of the first panel another post is attached to the far end of the second panel before erection; this post is then placed in its post hole, and the panel secured against the flange 10 of the first erected unit and nailed in position, additional units being added in the same manner until the length or run of fence is completed.

The next step is to weave the strips 15 by use of the stakes 17 and as each strip is not in tension, we insert the stake from the top, interlacing it with the metal strips and exposing it alternately, first on one side and then on the other side of the strips, after which the stakes are secured to the frame. The next stake is spaced longitudinally from the first described stake, this stake being inserted in the same manner, excepting that it first engages the side opposite to that above described, thus producing the weave pattern or effect and rigidly tensioning strips to produce a structurally rigid and complete panel assembly.

The stakes are shouldered as at 18 to fit against the top and bottom members and when the strips are woven and stressed, screw nails 19 are used to secure the stakes rigidly in position.

From the foregoing description, it will be readily understood that we have perfected a very simple, practical and economical fence which can be constructed of standard wood and/or metal members presently on the market which can be readily and economically erected and which is of neat and pleasing appearance.

What we claim is:

1. In an enclosure comprising, spaced-apart support posts, each post being made up of a strip of standard 2" x 4" material of predetermined length, a second strip of standard material of less width than the first strip secured to one face of the first strip equidistant from its edges and forming flanges on opposite sides thereof a

perimeter frame comprising, top, bottom, and end members interposed between said posts, with the end members of the frame secured to the flanged sections of each post, metal strips secured to one side of said frame, said strips extending lengthwise of and being secured to the vertical end strips of said frame, and a plurality of vertical cross stakes interlaced with said metal strips and exposed alternately, first on one side and then on the other side of said strips, with the ends secured to the top and bottom members respectively.

2. In an enclosure comprising, a pair of spaced-apart posts, a perimeter frame interposed between said posts and comprising top, bottom and vertical end members, with the ends of the top and bottom members butting against and secured to the vertical ends, longitudinally disposed metal strips secured to the individual vertical end members of said frame, and cross stakes formed with reduced shouldered end sections interlaced through said strips at spaced apart points and engageable with the top and bottom members of the frame to stress and form a weave pattern in said strips.

3. The combination as specified in claim 2 in which each post is formed with vertically disposed opposed flanges, and the metallic strips are secured to the end members on one face only of said frame so that when

the frame is secured in position, the face of the end members to which the ends of the strips are secured, will be in intimate facial contact with one of said post flanges to protect the securing means from weather, and/or any other force tending to dislodge the fasteners.

4. A fence enclosure comprising, a plurality of spaced apart vertical support post, T-shaped in cross section, a perimeter frame interposed between and secured to said posts, each frame including a plurality of longitudinally disposed metal strips secured to said frame, and a plurality of cross stakes, offset at the top and bottom and interlaced with said metal strips, said stakes being exposed alternately, first on one side and then on the other side of said strips to stress said strips in the frame, and means for securing the offset ends of the stakes to the perimeter frame.

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