

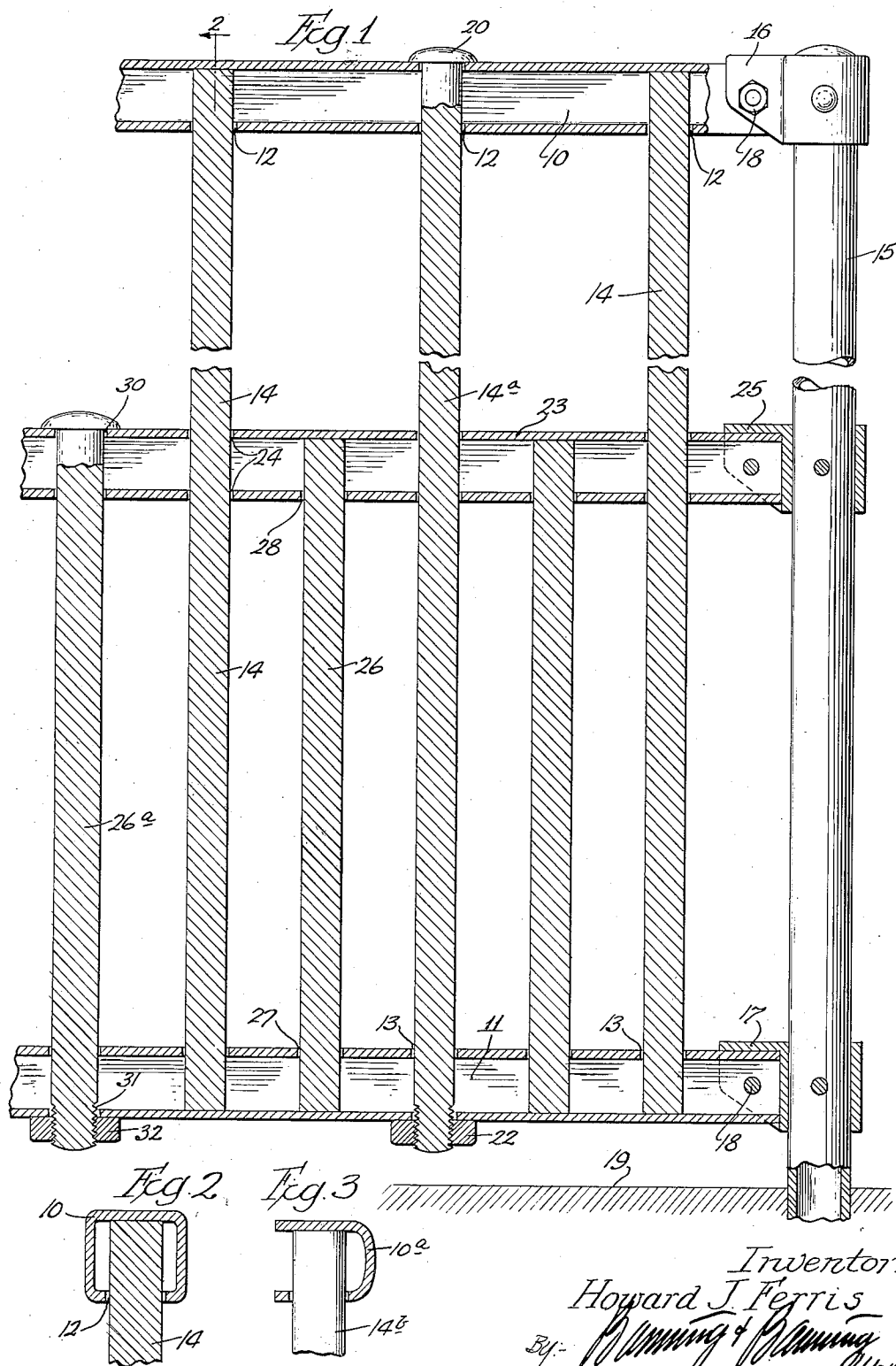
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H. J. FERRIS

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PIG PEN

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Inventor:
Howard J. Ferris
By: *Wm. H. Wm.*
Attys.

UNITED STATES PATENT OFFICE

HOWARD J. FERRIS, OF HARVARD, ILLINOIS, ASSIGNOR TO STARLINE, INC., OF HARVARD, ILLINOIS, A CORPORATION OF ILLINOIS

FIG PEN

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An object of this invention is to provide an improved form of pen suitable for both pigs and hogs. The invention is fully described in the following specification and shown in the accompanying drawing, in which—

Figure 1 is a partial side elevation of a pen embodying the invention;

Fig. 2 is a partial enlarged section on the line 2 of Fig. 1; and

Fig. 3 is a similar view but showing a modified section.

The embodiment illustrated in Figs. 1 and 2 comprises a pen having top and bottom hollow members 10 and 11, respectively, which may be rectangular, circular, or the like, in cross section, and which are provided with holes 12, 13 on their facing sides through which extend vertical rods 14, the latter being preferably equally spaced and parallel to each other. The top and bottom members are secured at their ends to corner posts 15, (or to line posts if a longer line is desired) in any suitable manner, as by means of corner brackets 16, 17, to which they are secured by bolts 18. These corner posts are usually firmly set in the cement 19 forming the bottom of the pen which may, if desired, be provided with a curb (not shown).

At intervals, one of the rods as 14^a is provided at its ends with a head 20, the rod passing through openings in the remote faces of the top and bottom members 10, 11, and having a nut 22 screwed thereon at the bottom so as to firmly secure the members forming one side of the pen together between the corner posts, thereby providing a strong, rigid and firm pen construction.

Between the top and bottom members 10 and 11 is located a hollow intermediate member 23 which is similar thereto, and which is provided on its opposite sides with registering holes 24 through which the vertical rods 14 pass. These intermediate members, of which there are one to each side of the pen, are secured to the corner or line posts by means of brackets 25 to which they are bolted.

Midway between each pair of adjacent vertical rods 14 is located a short rod 26

which passes through holes 27, 28, in the members 11 and 23, respectively. Certain of these rods as 26^a are provided with heads 29, these rods passing through openings 30, 31, in the opposite walls of intermediate and bottom members. These stub bolts are threaded at the outer ends to receive nuts 32 which, when tightened, hold these short vertical pipes and the intermediate and bottom members rigidly in assembled relation.

In Fig. 3 is shown a modified form of the top, bottom and intermediate members comprising a U-shaped channel 10^a in which the vertical rods are secured as before.

It will be understood, of course, that instead of the rods herein described, pipes may be used, if desired. Thus it will be seen that a very simple and efficient form of pig and hog pen is provided which is simple to manufacture, easily assembled or disassembled, and which presents no parts by which a pig or hog occupying the pen can injure itself.

While I have shown and described but a few embodiments of my invention, it is to be understood that it is capable of many modifications. Changes, therefore, in the construction and arrangement may be made which do not depart from the spirit and scope of my invention as disclosed in the appended claims.

I claim:

1. In a hog pen, continuous top and bottom members of hollow cross section having openings in their facing sides, long vertical members extending into said hollow members through said openings, a continuous intermediate hollow member having a series of holes through which said vertical members extend, a series of openings in the facing sides of said intermediate and bottom members, a series of short vertical members in the second-mentioned series of openings, and means for securing all said members in assembled relation.

2. In a hog pen, continuous top and bottom members of hollow cross section having openings in their facing sides, long vertical members extending into said hollow members through said openings, an intermediate

- hollow member having a series of holes through which said vertical members extend, a series of openings in the facing sides of said intermediate and bottom members, a series of short vertical members in said series of openings, and means carried by certain of the vertical members for securing all said members in assembled relation, said long and short members alternating.
3. In a hog pen, continuous top and bottom members of hollow cross section having openings in their facing sides, long vertical members extending into said hollow members through said openings, a continuous intermediate hollow member having a series of holes through which said vertical members extend, a series of openings in the facing sides of said intermediate and bottom members, and a series of short vertical members in said series of openings, certain of said vertical members being provided with means extending through the hollow members for securing all said members in assembled relation.
4. In a hog pen, continuous top and bottom members of U-shaped cross section having openings in their facing sides, vertical members extending into said U-shaped members through said openings, a continuous intermediate U-shaped member having a series of holes in its sides through which said vertical members extend, a series of openings in the facing sides of said intermediate and bottom members, a series of short vertical members in the last-mentioned series of openings, and means for securing all said members in assembled relation.
5. In a hog pen, continuous top and bottom metallic members having spaced opposed sides connected by a side wall integral therewith, said members having openings in their facing sides, vertical members extending into said top and bottom members through said openings, a continuous intermediate member of similar cross-section having a series of holes in its sides through which said vertical members extend, a series of openings in the facing sides of said intermediate and bottom members, a series of short vertical members in the last-mentioned series of openings, and means for securing all said members in assembled relation.

HOWARD J. FERRIS.

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