No. 895,691. PATENTED AUG. 11, 1908.

L. H. SCOTT.

FENCE POST MOLDING APPARATUS.

APPLICATION FILED APR. 10, 1908. 2 SHEETS—SHEET 1.

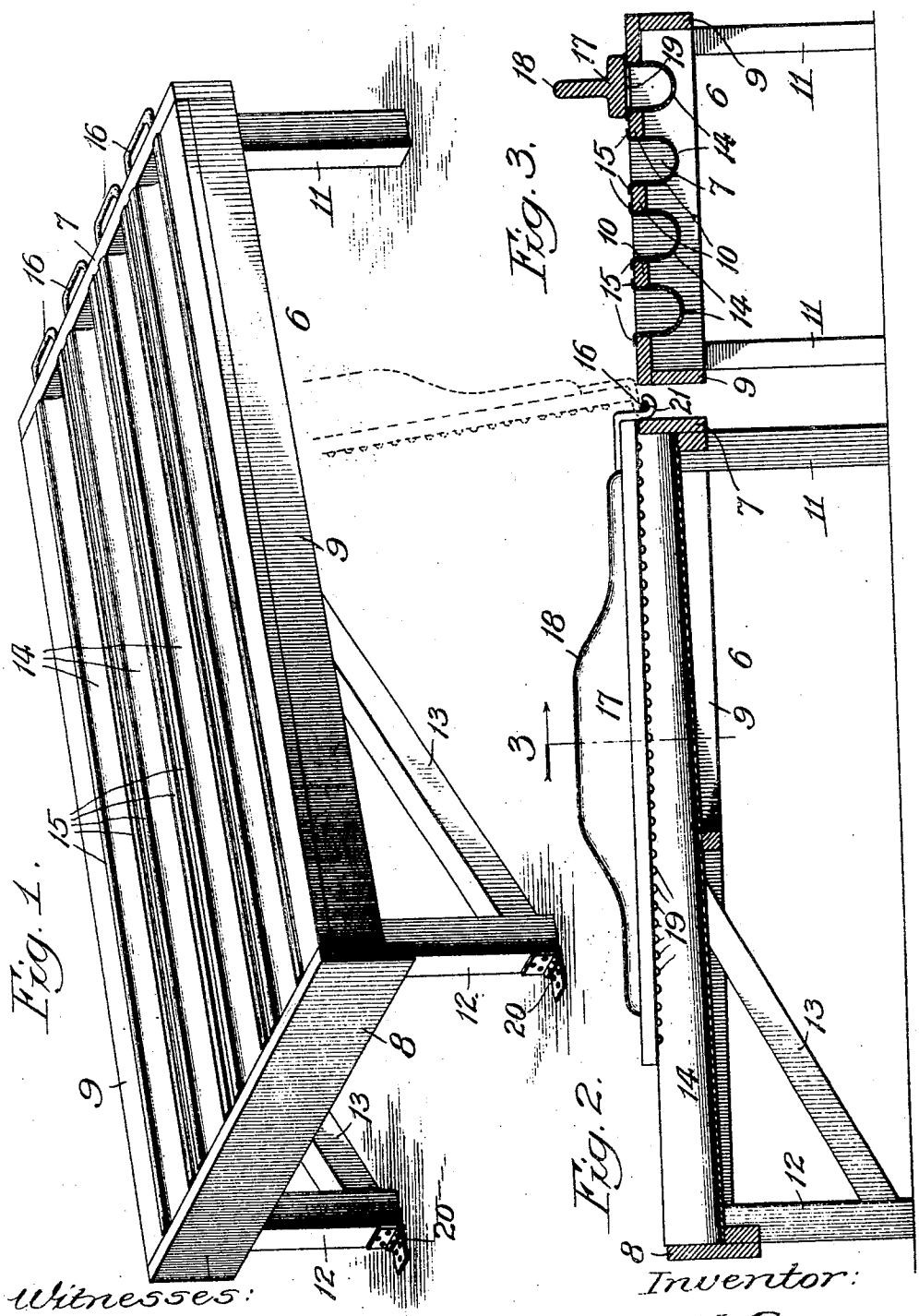

Fig. 1.

Fig. 3.

Fig. 2.

Witnesses:
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Fig. 4.

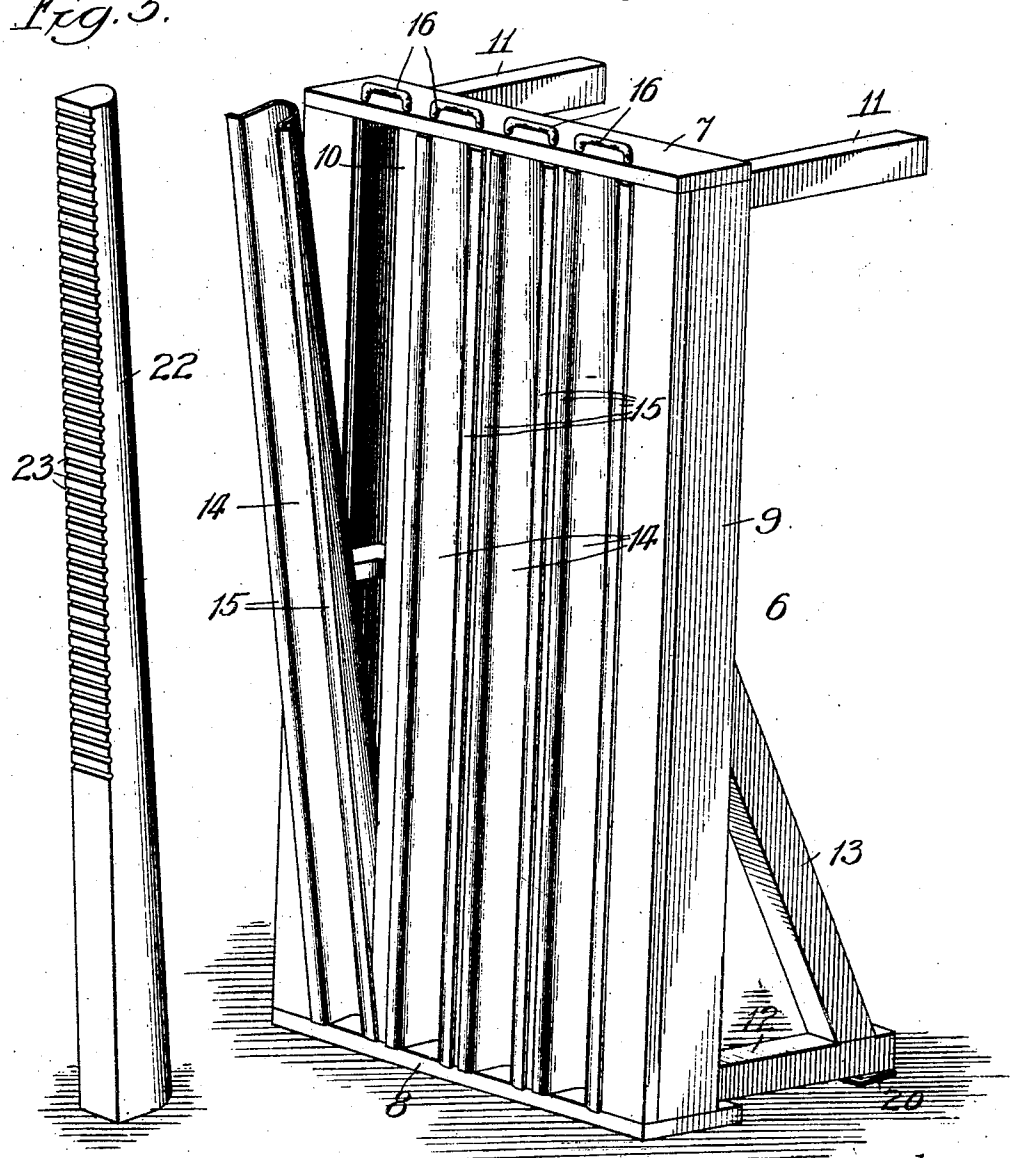

Fig. 5.

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UNITED STATES PATENT OFFICE.

LOUIS H. SCOTT, OF PRINCETON, ILLINOIS.

FENCE-POST-MOLDING APPARATUS.

No. 895,691. Specification of Letters Patent. Patented Aug. 11, 1908.

Application filed April 10, 1908. Serial No. 426,259.

To all whom it may concern:

Be it known that I, LOUIS H. SCOTT, a citizen of the United States, residing at Princeton, in the county of Bureau and State of Illinois, have invented a new and useful Improvement in Fence-Post-Molding Apparatus, of which the following is a specification.

My invention relates to apparatus for use in the production of concrete fence-posts; and my object is to provide simple and improved apparatus by means of which molded concrete posts may be turned out with comparative ease and great uniformity.

Referring to the accompanying drawings—Figure 1 is a perspective view of a molding table of my improved construction forming part of the apparatus; Fig. 2, a longitudinal section of the table with a removable swinging post-face forming-strip, which is shown in lowered position by full lines, and in raised position by dotted lines; Fig. 3, a cross-section taken on line 3 in Fig. 2; Fig. 4, a perspective view of the molding table upended to facilitate removal of the molded fence-posts; and Fig. 5, a concrete fence-post of the type which my improved apparatus is adapted to form.

6 is a table having the top-frame formed with a head-board 7, a foot-board 8, side-boards 9 and parallel intermediate slats 10. The frame is provided at its head with legs 11, and at its foot with legs 12 strengthened by braces 13. 14, 14 are slightly tapering and longitudinally extending post-molds, preferably of sheet-metal, having side-flanges 15. The molds rest loosely at their flanges 15 upon the slats 10, and extend through the openings between the slats. When the molds are in the frame, their opposite ends are closed by the head and foot boards, respectively. On the head-board 7, at the end of each mold 14, is a loop, or hinge-member, 16.

17 is a post-face forming-strip strengthened on one side by a longitudinally extending rib 18, and provided on its other side, or face, with a plurality of cross-extending half-round projections 19. The table 6 may rest horizontally as shown in Fig. 1, or may be swung to an upright position to rest on the foot-board 8 as shown in Fig. 4; and to hold the table steady while being swung from one position to the other, it may be fastened at the legs 12 by means of hinges 20, if desired, to the floor or other support.

In operation, the molds being in place and the table in horizontal position, a concrete mixture in a fluid state is poured into the molds to the level of the flanges 15 and allowed to remain there until it becomes set and plastic. The post-face forming-strip, which is provided at one end with a hook 21 forming a hinge-member, is then passed at its said hook into engagement with one of the hinge-members 16, and swung downward to the position shown by full lines in Fig. 2 to cause the half-round projections 19 to indent themselves in the face of the post 22 and produce grooves 23t herein. The post-face forming-strip is pressed upon the molds one after the other while its hinge-member engages a hinge-member 16 on the head-board. The engagement of the hinge-members positions the post-face forming-strip at each mold, whereby the grooves or notches formed in the posts will be uniformly produced.

When the posts have become sufficiently hard in the molds to permit them to be handled without danger of injury, the table is swung upward to the position shown in Fig. 4. To remove a post, the mold is pitched forward at its top out of the frame as illustrated to the left in Fig. 4, and this causes the post to free itself readily from the mold to permit its removal. It is usually desirable to remove the posts from the molds before they have become sufficiently hardened for use and to permit the final hardening to take place after they have left the molds. By upending the table and molds and swinging the molds outward at their upper ends as described, the partly finished posts may be removed without danger of injury thereto.

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

1. A concrete-post molding apparatus comprising, in combination, a frame adapted to swing from the horizontal to an upright position, a plurality of longitudinally extending post-molds loosely mounted in the frame, a post-face forming-strip, and means on the frame for positioning said strip, the whole being constructed and arranged to operate as and for the purpose set forth.

2. A concrete-post molding apparatus comprising, in combination, a frame formed

with a series of longitudinally extending slats, a plurality of post-molds provided with flanges and resting loosely at their flanges on the said slats, a hinge-member on the frame at the end of each mold, and a post-face forming-strip provided at one end with a hinge-member to interlock with the hinge-members on the frame, the whole being constructed and arranged to operate as and for the purpose set forth.

LOUIS H. SCOTT.

In presence of:
A. J. FISHER,
C. F. SCOTT.