S. L. NAGLE.

WOOD PRESSING-MACHINE.

No. 191,704 Patented June 5, 1877.

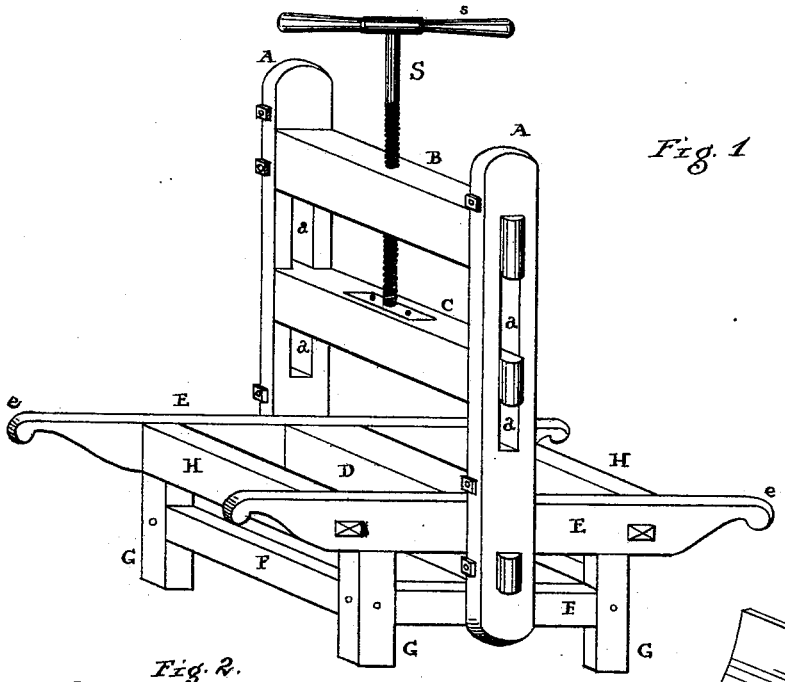


Fig. 1

Fig. 2.

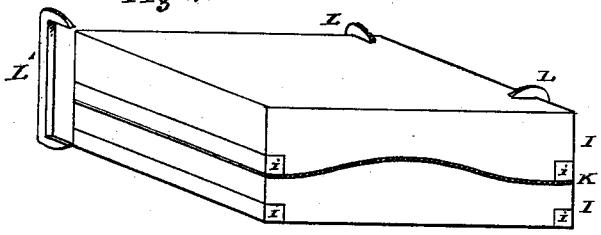
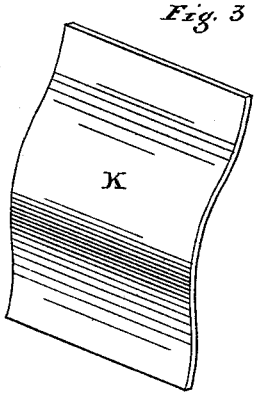


Fig. 3



John P. Potteiger
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Witnesses

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By

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UNITED STATES PATENT OFFICE.

SAMUEL L. NAGLE, OF BERNVILLE, PENNSYLVANIA, ASSIGNOR OF ONE-HALF HIS RIGHT TO JOHN WEAVER, OF SAME PLACE.

IMPROVEMENT IN WOOD-PRESSING MACHINES.

Specification forming part of Letters Patent No. **191,704**, dated June 5, 1877; application filed March 2, 1877.

To all whom it may concern:

Be it known that I, SAMUEL L. NAGLE, of Bernville, in the county of Berks and State of Pennsylvania, have invented certain Improvements in Wood-Pressing Machines, of which the following is a specification:

The nature of the invention consists in the combination of devices employed, as will be hereinafter more fully set forth.

The accompanying drawings, with the letters of reference marked thereon, and a brief explanation, will enable those skilled in the art to make and use my improvement, and in which—

Figure 1 is a perspective view of the press and table combined. Fig. 2 illustrates the two formers with the bent wood between them. Fig. 3 is one of the forms produced by this mode removed from the formers.

The machinery is very simple, and consists of a frame-work for an ordinary stout vertical screw, *s*. The vertical side pieces A A are united, above and below, firmly by bolts through the cross-piece or head-block B and the base-block D, the lower ends of which latter pass through and between the side rails E F of the table or portable bed, and between which timbers E F the frame supporting the vertical screw can be slid from one end of the table to the other and the pressure made available at any point. The follower C is guided by its projecting tongues or tenons in a vertical slot, *a*, made through the frame side pieces A A, and its connection with the screw presents no special novelty. The upper side pieces E of the table are prolonged beyond the end cross-pieces H, and formed into handles by which the whole machine is easily carried from one place to another, while it stands firmly upon its four corner posts or legs G; hence it is portable and adapted to receive any number of different formers, to be submitted to direct pressure over any portion of such formers. The formers are made in two parts. Fig. 2 shows one pair. The upper one, I, has its under side curved to the desired shape, the upper side being a flat surface, to receive the action of the follower under pressure. The counterpart J has its lower face flat or level, and rests upon the bed-block D between the vertical sides A of the sliding-frame press. K shows the prepared steamed board (in this case) between the two formers. I also show clamps L to hold the parts together and retain the pressed article when removed from the press, while another pair of formers can be worked upon and the other set aside until fit for being taken out and fixed in its shape.

This arrangement of a press and formers enables the bending by compression to be applied to all forms of curved boards, veneering, rails, perches, &c., used in phaetons, carriages, sleigh sides, piano sides, or the like, to give them any desired shape or form.

I am aware of Patent No. 78,983, granted to J. G. Lucas, June 16, 1868, and hereby disclaim the same; therefore,

What I claim as my invention in wood-pressing is—

The combination of the frame-base having side pieces E, handles *e*, cross-piece F, and adjustable block D, with the follower C, screw *s*, frame A A B, the independent formers I J, clamps L L, constructed to operate as shown and described, and for the purpose specified.

SAMUEL L. NAGLE.

Witnesses:

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