



Box Press.

Plate 17 illustrates a press made by a member of the Fruit Division staff, with the assistance of a blacksmith, and has been found to work admirably, though much more elaborate nailing presses are upon the market.

1. The base of the press is a plank, dressed, 1½", 14" wide and 3 feet long, though of course these dimensions could be varied slightly. 2. The supporting legs made firm by the (3) braces at the bottom. 4. Stationary cross-pieces supported by the legs. 5. A cross-piece about 16" from the base. 6. Iron clutches running through the base of the table to the cross-piece (7). 8. A foot-lever working up and down and attached to the bottom of the frame by a hinge. 9. Rods running from foot lever to the iron clutches. 10. Spiral springs placed between the movable cross-piece (7) and the stationary cross-piece (4). 11. A thin iron bar with a saw-tooth edge. A thin iron plate is placed on (8) so as to engage this saw-tooth edge (11). 12. Long but light spiral spring that assists in raising the lever when disengaged from saw-tooth edge (11). 13. A shallow nail box. 14. Inch strips upon which the box rests, so that when pressure is brought to bear upon the top there will be room for the hulge below. 15. A narrow strip nailed on the back of the bench base to serve as a guide for placing the box.

The parts of the press 2, 3, 4, and 5 are inch stuff, 3 inches wide, dressed.