

IMPROVED RE-SAWING MACHINE.

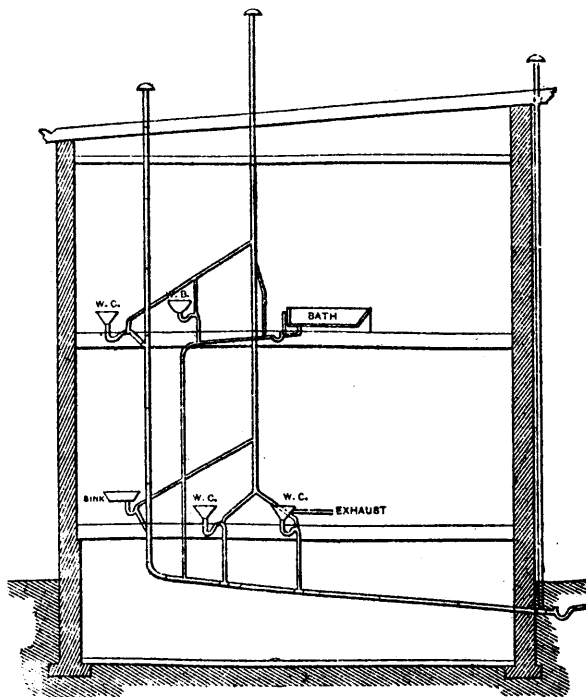
We illustrate and describe herewith the improved machine known as "Joslin's Re-Sawing Machine," manufactured by the S. A. Wood's Machine Company. The engraving represents a large and powerful circular re-sawing machine, with iron frame and 50-inch saw. It works lumber 22 inches wide and 3 inches thick, and can be made to slab from the side of stuff 4 or 5 inches in thickness. The feed is continuous, with three changes, the quickest being 85 feet per minute, and can be stopped and started without stopping the saw. The feed rolls are self centring, or can be made rigid on either side. No springs are used about the machine, an entirely new device being used for weighting the rolls giving them all the pressure that may be required for straightening the lumber and holding it until sawed. The saw is run close up between the rolls. Guide plates or clamps are used, attached to the feed-roll stands on both sides of the saw, the clamps moving with the rolls. The clamps are not shown in the engraving, but the combination just named suffices to hold the lumber rigid until it has passed by the saw.

A device is also provided for throwing the feed rolls into position, so as to present the lumber to the saw as desired for doing different kinds of work without making any change of spreader, or other parts of the machine. This the sawyer can do while the saw is running, all parts of the feeding mechanism being devised with the purpose in view of enabling the attendant to adjust them as required without moving from the work end of the machine, and by the same device the board can be removed from the saw, if necessary. The feeding mechanism is moved across the machine by the hand wheel on the side, if desired to slab from the side of lumber and use the self-centring arrangement referred to above. The manner in which the roll stands are connected to the slides is claimed to allow them to work perfectly free at all times.

The makers of this machine affirm that it is capable of performing a larger variety of work (with a notable saving of time) than any other re-sawing machine that is made, and that it has the advantage that any man can run it who is competent to file and keep a saw in order.

The driving pulley on saw is 18 inches diameter, 9 inches face, and should be run at 650 revolutions per minute. The makers furnish counter-shaft when desired, and supply these machines with saws adapted for special work, when this is stated.

The machines manufactured by the S. A. Woods, Machine Co., 91 Liberty street, New York.—*Manufacturer and Builder.*



House Drainage System, by E. Dunn & Bro., of Newark, N. J.

(See page 134.)