

DESIGN FOR A PLANING MILL.

A CORRESPONDENT of Carpentry and Building sends the accompanying drawings of a planing mill, concerning which he says :

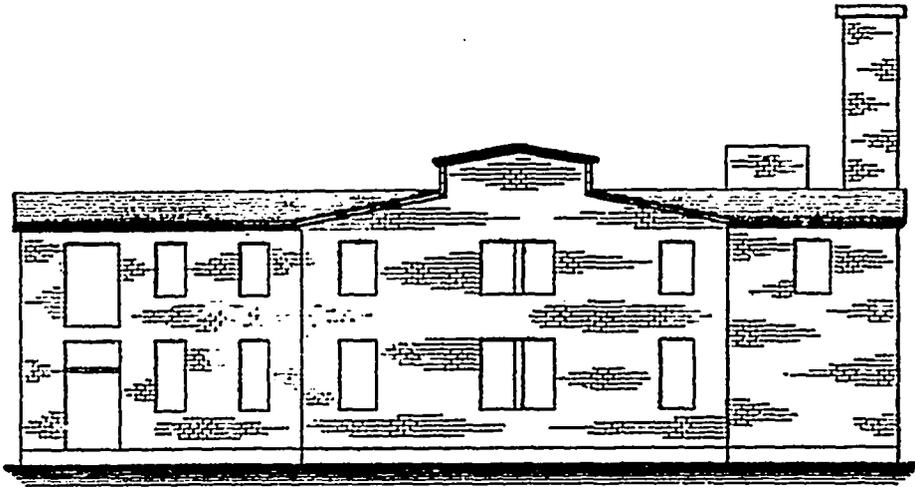
As being of interest to the correspondent in question, and possibly to other readers of the

cutter, No. 29 a Universal saw bench, No. 30 a tenoning machine, No. 31 a mortising machine, No. 32 a door clamp and No. 33 a turning lathe.

The engine, it will be noticed, is placed in the basement in order to get it as near as possible to the center of its main work. There is also a

engine. It will be noticed that there is a dry-kiln on one side of the main building opening into the main floor at one end, while the other end opens to the railroad track at the side. The room is laid with pipe on the floor and heated by the exhaust steam from the engine. The room over the dry kiln, opening on the second floor, is used for glueing purposes, and is fitted with glue pans and pots. There is a coil pipe for heating veneers, also a veneer press and a large door clamp.

The building is arranged for the frame makers to work on the first floor in the "L" of the building, and for the heavy machine work, such as cutting out, planing and working moldings, to be done in the main part of the building. On the second floor of the "L" are made the sash, outside blinds and shutters, and here also are the inside blind makers, the work of the different



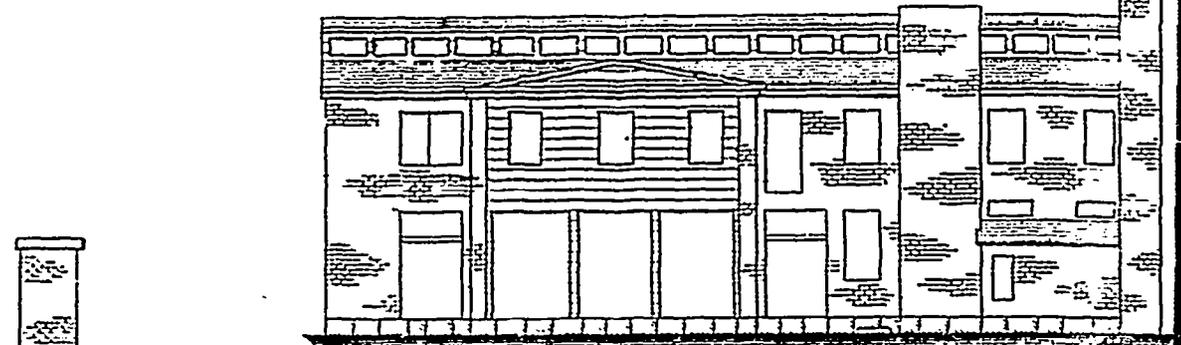
Scale, 3/64 Inch to the Foot.

DESIGN FOR A PLANING MILL.—FRONT ELEVATION.

paper, I send floor plans and elevations of a mill that I drew about three years ago for a person who contemplated erecting a new mill near Philadelphia. In the present instance it will be seen that I have tried to arrange the machinery in the mill in such a way as to be most convenient. Referring to the floor plans, it will be seen that the machines are numbered, as they can be more readily indicated in this manner, and by less confusion than by writing the name of each one on the drawing.

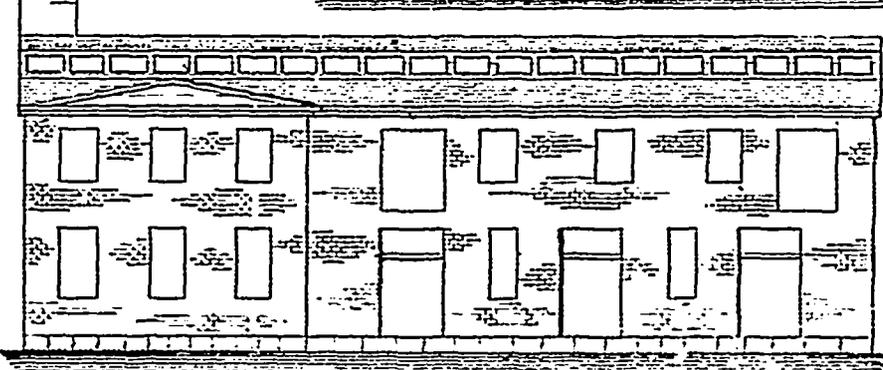
In connection with the first floor plan, A A, &c., are work benches. No 1 is a pulley stile mortiser, No. 2 a jointer with 14-inch cutter, No. 3 a Universal saw bench, No. 4 a molding machine with 6-inch cutter, No. 5 a rip saw, No. 6 a heavy band saw, No. 7 a molding machine with 10 inch cutter, No. 8 a swing cut off saw, No. 9 a large rip saw, No. 10 a double surface planer, No. 11 a rip saw, No. 12 a molding machine with 7-inch cutter, No. 13 a rip saw and No. 14 a swing cut-off saw.

On the second floor, B B, &c, are work benches. No. 15 is a light mortise machine, No. 16 a rip saw, No. 17 a sash and shutter clamp, No. 18 a



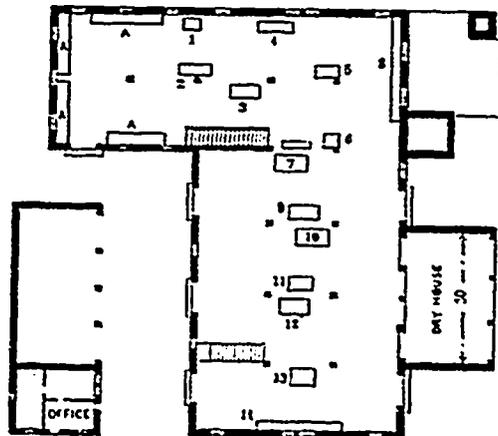
Scale, 3/64 Inch to the Foot.

DESIGN FOR A PLANING MILL.—SIDE (RIGHT) ELEVATION.

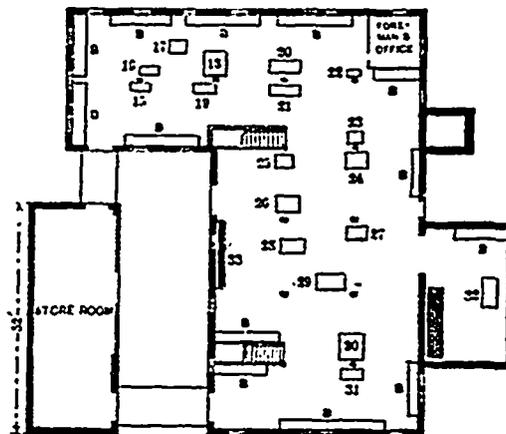


Scale, 3/64 Inch to the Foot.

DESIGN FOR A PLANING MILL.—SIDE (LEFT) ELEVATION.



FIRST FLOOR.



SECOND FLOOR.

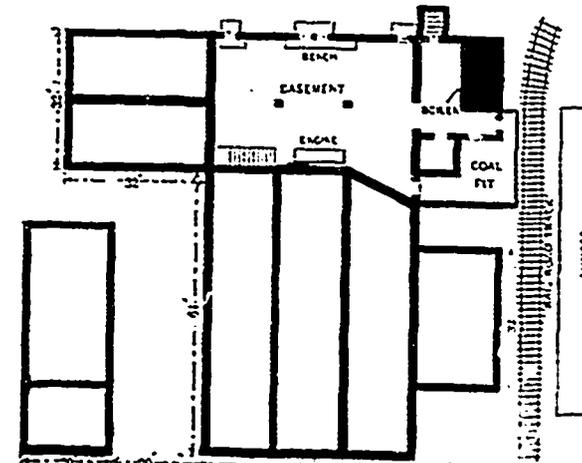
Scale, 3/128 Foot to the Inch.

DESIGN FOR A PLANING MILL.

tenoning machine, No. 19 a horizontal boring machine, No. 20 a sand papering machine, No. 21 a molding machine, No. 22 a blind slat tenoning machine, No. 23 a jig saw, No. 24 a light band saw, No. 25 a cylinder sand papering machine, No. 26 a single surface planer, No. 27 a boring machine, No. 28 a jointer with 16-inch

machine shop in the basement, as it is supposed that the engineer will have time to repair the machines, make bits and sharpen the knives. He has all his work in the basement, and is able to watch his engine at the same time. The floor of the boiler room is level with the floor of the basement, so as to make it convenient to the

divisions extending into the main building. The balance of the space on the second floor is intended to be occupied by door makers, stair



Scale 3/128 Inch to the Foot.

DESIGN FOR A PLANING MILL.—GROUND FLOOR.

workers, bulks, &c. An inspection of the second floor plan shows that there is an office for the foremen and his draftsmen, which is to be in-