

CHAPTER XII.

BILLS OF MATERIALS TO BE PROVIDED FOR BUILDING
AND CONSTRUCTING THE MACHINERY.

ARTICLE 102.

For a Wheat Elevator 43 feet high, with a Strap 4 inches wide.

Three sides of good, firm, white harness-leather.

220 feet of inch pine, or other boards that are dry, of about $12\frac{1}{2}$ inches width, for the cases; these are to be dressed as follows:

86 feet in length, 7 inches wide, for the top and bottom.

86 feet in length, 5 inches wide, with the edges truly squared, for the side boards.

A quantity of inch boards for the garners, as they may be wanted.

Sheet-iron, or a good but of willow wood, for the buckets.

2000 tacks, 14 and 16 ounce size, the largest about half an inch long, for the buckets.

3 lbs. of 8 penny, and 1 lb. of 10 penny nails, for the cases.

2 dozen of large, wooden screws, (but nails will do,) for pulley cases.

16 feet of 2 inch plank, for pulleys.

16 feet of ditto, for cog-wheels, and dry pine scantling, $4\frac{1}{2}$ by $4\frac{1}{2}$, or 5 by 5 inches, to give it motion.

Smith's Bill of Iron.

1 double gudgeon $\frac{3}{4}$ inch, (such as fig. 6, Plate VI.,) 5 inches between the shoulders, $3\frac{3}{4}$ inches between the holes, the necks, or gudgeon part, 3 inches.

1 small gudgeon, of the common size, $\frac{3}{4}$ inch thick.

1 gudgeon, an inch thick, (fig. 7,) neck $3\frac{1}{4}$, tang. 10 inches, to be next the upper pulley.

