

I. H. SMALL'S MACHINE WORKS

Nos. 574 and 576 BRANNAN STREET,
SAN FRANCISCO.

Builder of Wood Planers and Wood Cutting Machinery and all kinds of Wool Scouring Machinery
MANUFACTURER OF STEAM ENGINES.

PATENTEE AND MANUFACTURER OF

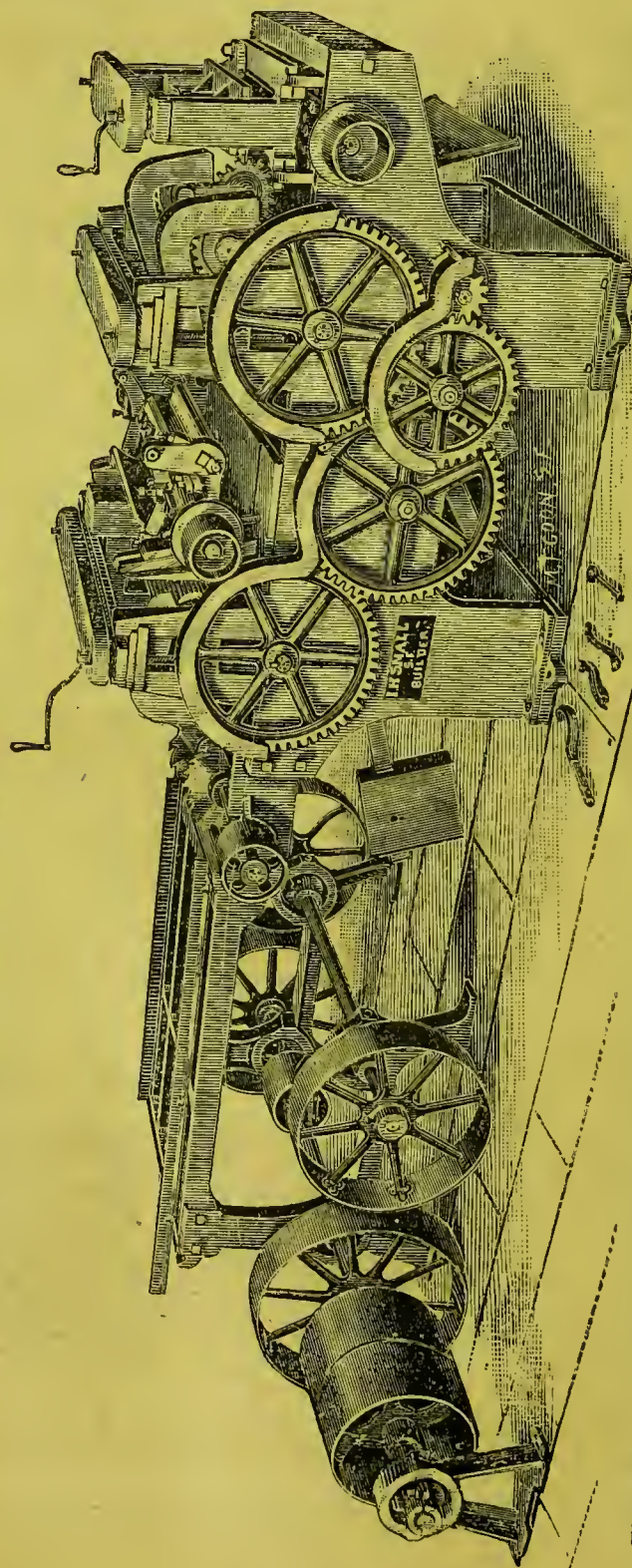
SMALL'S PATENT ELEVATOR CATCH

SHAFTING.

PULLEYS.

ELEVATORS.

Any Parts of Planers and other Machinery Furnished at Short Notice.



This machine has been designed to meet with the wants of Box Makers principally, and it will surface on both sides 26 inches wide, the rolls expand 6 inches high, there are 2 adjustable saws for ripping the lumber, which can be set to a desirable width. The rolls are 6 inches in diameter and are driven by a double set of expanding links and gears. The cutter heads are of solid steel, the bearings are 2 inches full in diameter by 8 inches long. The feed works are very heavy. The rolls, bed-plate and pressure bars are all adjustable which is a great convenience. The pressure bar over the under head can be thrown over on a hinge, and the same with the top head. This machine will rip and plane 20,000 feet of box lumber in 10 hours, or without saws 40,000 feet in 10 hours. I can also build from the same patterns a matching machine with or without under head, weight 6500 pounds. The tight and loose pulleys on counter shaft are 16 inches in diameter and 8½ inches face, and should run 800 revolutions. There is a separate counter shaft to run the saw with tight and loose pulleys, with pulleys on each end of saw arbor, I. H. SMALL.