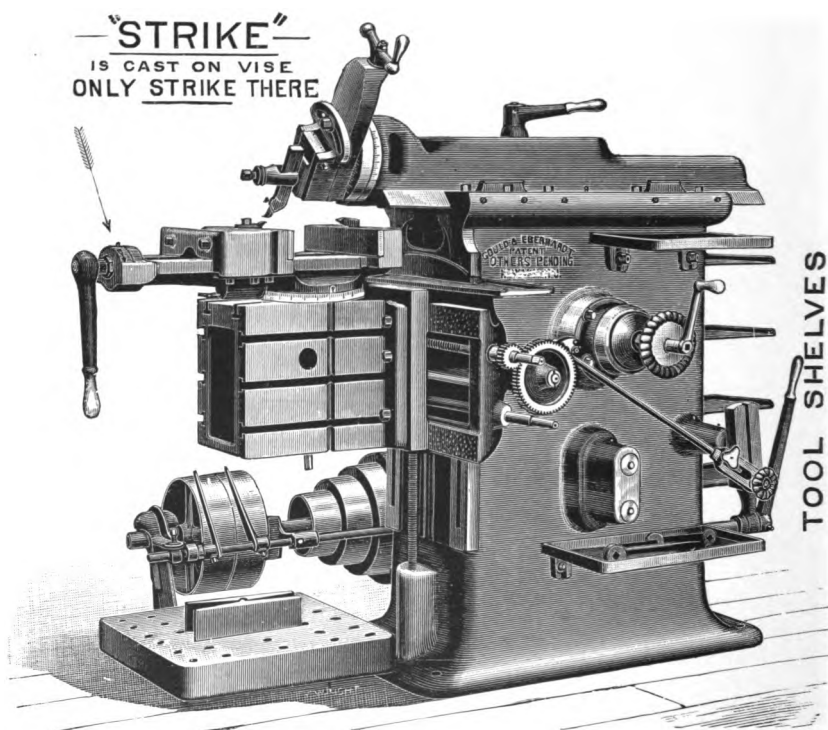


Eberhardt's Patent Quick-Return Stroke Shaping Machine.



DOUBLE TRIPLE QUICK STROKE.
(TRADE MARK.)

For price and description see opposite page.

Quick Return Stroke Shaping Machines.*Made by E. Gould & Eberhardt.*

 **OPPOSITE** cut represents the 12, 16, 24, 26 and 30 inch stroke Patent Shapers. Work can be fastened as quickly as in the common vise, at any angle, or to plane any bevel; the vise jaws project outside to hold long or short work, to plane off the ends of punches, rods, etc. The vise is quickly replaced with a face plate by loosening one bolt; a pair of adjustable centres go on each vise for doing small work, such as fluting taps, reamers, etc. The vise may be fastened to the side of the angle plate for holding large and heavy work.

The tool bar is very strong and stiff, and is worked by a patent adjustable crank motion and slotted lever, which can be set instantly, to give any required stroke, while in motion or at rest.

The stroke on each machine is graduated, and a pointer indicates the length it planes.

Cross slide stops automatically at each end, and is self-feeding across or circular, controlled by a new catch. A patent automatic brake is attached to countershaft to stop quickly.

All have four-speed cones.

A face plane, countershaft, and wrenches are furnished with each machine.

Planes—Inches			Takes bet. Jaws.	Counter Pulleys.			Weight about.	Price.
Stroke.	Width.	Height from Angle.		Dia.	Face	Rev. min.		
12 in.	14 in.	9 in.	8 in.	9 in.	2 in.	130	1000	\$
16 "	17 "	14 "	10 "	12 "	3 "	180	1900	
20 "	20 "	17 "	12 "	12 "	3 "	180	2200	
24 "	24 "	18 "	14 "	12 "	3 "	200	2600	
26 "	28 "	24 "	14 "	14 "	3 "	220	3700	
32 "	35 "	26 "	16 "	16 "	4 "	220	6400	

16 in., 20 in., 24 in., 26 in., 32 in. are ("Double **Triple Quick Stroke.**")
(Trade Mark.)

All wrought-iron work, bolts, nuts, wrenches, etc., are case-hardened.