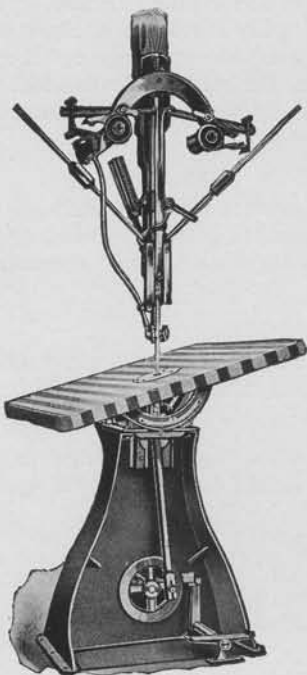


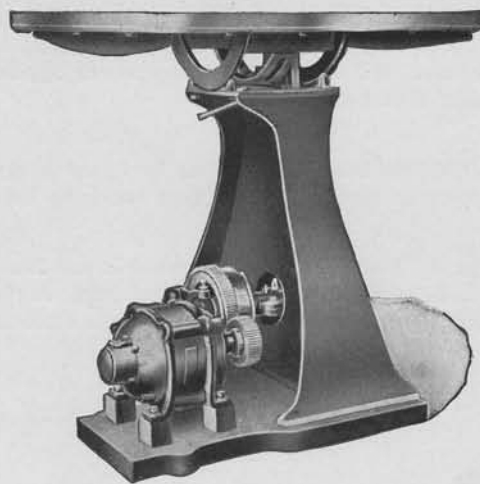
BEACH

NO. 1

SCROLL SAW



For Belt Drive



For Motor Drive
Showing Base Only

Manufactured by

Beach Manufacturing Co.

MONTROSE, PA.

CABLE ADDRESS
"BEACHSAWS"

CODES USED

ABC 5th Edition
Liebers
Bentley
Western Union 5 Letter

DESCRIPTION

THE TABLE is made of narrow strips of thoroughly seasoned and kiln dried maple and is provided with iron cleats. A metal plate eight inches in diameter prevents excessive wear at the center. It tilts 45 degrees right or left.

THE STRAINING DEVICE used on this machine is of the type which has made Beach scroll saws famous for a period of over fifty years, and it is worthy of special attention. The operating parts are supported on a hollow tube which is mounted on a rigid "back-bone" casting in such a manner that the whole device may be adjusted vertically to permit the use of blades of different lengths. To facilitate this adjustment, the weight of all parts is relieved by a balance spring. An eccentric lever locks the device in any position desired. The adjustable saw guide and stop at the lower part of the strain not only provides a guide for the saw blade, but holds the work firmly against the table top. The tension on the saw blade is obtained from two large coiled springs at the top of the strain and may be regulated as desired. The lever bearings are hardened, self-oiling and very durable, and are so connected with the levers that the strain on the blade is practically constant at all points of the stroke. An air pump having no working joints furnishes a strong blast.

THE FRICTION PULLEY used for driving the machine is much superior to the tight and loose pulleys commonly used. It is simple in construction and adjustable for wear. The foot lever at the front of the machine operates the clutch, and when this is thrown out, applies a brake to the crank wheel. An oil chamber in the shaft keeps the pulley thoroughly lubricated.

THE LOWER CROSSHEAD runs in planed guides set square with the table. Should any heating occur the expansion loosens it slightly and by thus removing the cause overcomes the difficulty.

THE SAW CLAMPS are, as far as it is possible to make them so, self-acting. A slot filed in the lower end of the blade is engaged by a hardened steel jaw. A pin in the upper end is held by a hook in the upper crosshead, which is pulled down by a lever when putting a blade in place.

SPECIFICATIONS

	Machine No.	Shipping Weight	Speed of Crank Shaft	Friction Pulley	Size of Table	Code
No. 1 Scroll Saw	159	500	825	8 $\frac{3}{4}$ x3 in.	36x38 in.	Oar

With each machine is furnished one dozen assorted blades, also wrench for adjusting the strain springs.

Manufactured by

BEACH MANUFACTURING CO.
MONTROSE, PENNSYLVANIA