

## No. 1 B LEBLOND UNIVERSAL CONE TYPE MILLING MACHINE

Code Word . . . . . Nectar

**Range**—22-inch longitudinal, 7-inch cross and 18-inch vertical. Longitudinal and cross power feed in either direction regularly furnished.

**Spindle**—Front bearing is made tapering, 2-13/16 inches in diameter, is hardened and ground, adjustable for wear and with perfect oiling facilities. Has No. 10 B. & S. taper hole.

**Spindle Speeds**—Twelve in number, from 12 to 361 revolutions per minute.

**Cone**—Three sections, 8-1/16, 9-9/16 and 11 inches in diameter, for 3-inch double belt.

**Back Gear**—Single back geared, ratio 6.41 to 1.

**Overarm**—Solid steel bar, 3 3/4 inches in diameter, finished by grinding. Distance center of spindle to underside of arm, 6 1/8 inches.

**Overarm Brace**—Single casting of stiffest construction, distance from face of column in extreme position 21 5/8 inches.

**Arbor**—No. 19 furnished with machine as standard equipment. Complete assortment carried in stock.

**Arbor Support**—Two are furnished, one for supporting the end and the other the middle of the arbor.

**Table**—Working surface 11 by 34 5/8 inches; length over all 44 inches; has three T-slots 5/8 inches wide. Swivels 50 degrees, right or left for cutting spirals. Oil grooves on sides and oil pockets on ends are provided.

**Adjustments**—All movements are graduated to read in thousandths of an inch. The dials can be set to zero in any position. All adjustments are fitted with removable handles.

**Feeds**—Are eight in number, ranging from .004 to .100 inch per revolution of spindle. Feed pulley diameters are from 3 5/8 to 8-1/16 inches on spindle and from 5-9/16 to 10 inches on feed box, for 1 1/4-inch belt. Lower feed cone is adjustable for belt tension.

**Dividing Head**—Swings 11 1/8 inches, and takes 19 1/4 inches between centers. Swivels 10 degrees below horizontal on front end. Indexes all numbers 2 to 360. Cuts spirals with lead from 1.55 to 258.00 inches. Differential indexing regularly furnished.

**Foot Stock**—Vertical adjustment for taper work by means of a screw is provided.

**Vise**—No. 3 Vise with graduated swivel base is furnished. Jaws are 5 1/2 inches wide, 1 1/2 inches deep and open 3 1/2 inches.

**Countershaft**—Double friction pulleys are provided, one 10 and one 16 inches diameter for 4-inch belt and should run 110 and 265 revolutions per minute.

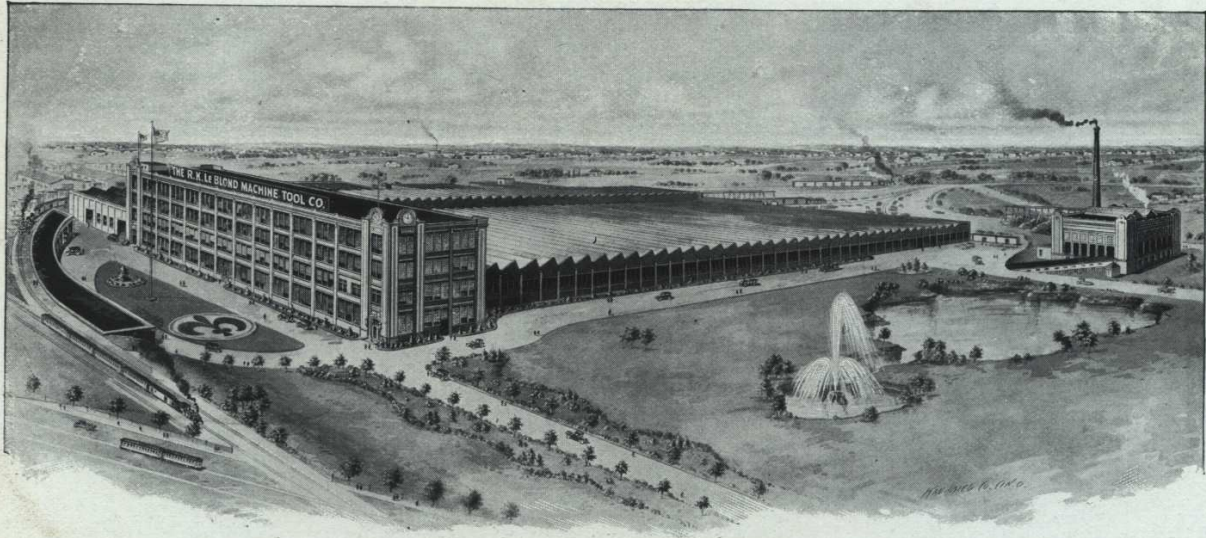
**Furnishings**—No. 19 arbor, oil pot, countershaft, swivel vise, 6" Universal Chuck, index tables, LeBlond Patent Belt Shifter, wrenches, and other details shown in cut.

**Floor Space**—85 inches in line with spindle by 90 inches for full travel of table.

**Weight**—Net 2,725 lbs.; domestic shipment 3,000 lbs., foreign shipment 3,500 lbs.

**Size of Export Case**—Width 36 inches, height 69 inches, length 67 inches; contains 96 cubic feet.

The R. K. LEBLOND MACHINE TOOL CO., CINCINNATI, O.



**WE MANUFACTURE**

Quick Change Engine Lathes, 12 to 36-inch swing.

Heavy Duty Automobile Lathes, 15 to 21-inch swing.

Heavy Duty Quick Change Engine Lathes, 15 to 36-inch swing.

Heavy Duty Combination Turret Lathes, 15 to 27-inch swing.

Heavy Duty Universal Lathes, 15 to 33-inch swing.

Manufacturer's Complete Turret Lathes, 24, 27, 33-inch swings.

Plain Chucking Lathes, 14 to 24-inch swing.

Auto Stud Lathes, 14 to 20-inch swing.

Heavy Duty Cone Type Plain Milling Machines, No. 0 to No. 4H.

Heavy Duty Cone Type Universal Milling Machines, No. 1B to No. 4H.

Heavy Duty Single Pulley Drive, Plain Milling Machines, No. 2G to No. 5GH.

Heavy Duty Single Pulley Drive, Universal Milling Machines, No. 2G to No. 5G.

Cutter and Reamer Grinders.

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Full information sent on request.

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**THE R. K. LEBLOND MACHINE TOOL COMPANY**

MADISON AND EDWARDS ROADS, HYDE PARK

CINCINNATI, OHIO, U. S. A.