



MODEL ID INDEX PLATES. Made specifically for faceting. Notches are on the face for simplified indexing and numbers on periphery for clear visibility. Eliminates mistakes and difficulties of heads with common gear indexes caused by numbers on face being below line of sight during faceting.

THE 64 INDEX provides 2, 4, 8, 16, 32 or 64 equal divisions for square and emerald cuts, standard round, octagon, oval, pear, marquise, heart and other brilliants. It is the standard index referred to by most instruction books and the one most useful generally. Supplied as standard with the ID Facet Head unless 32 index preferred.

THE 32 INDEX provides 2, 4, 8, 16 or 32 equal divisions for squares, emerald cuts, standard round brilliant, etc. Its extra large figures and simplicity are of advantage to beginners and to anyone desiring great speed. Optional with the ID Head in place of the 64 or any time as an extra.

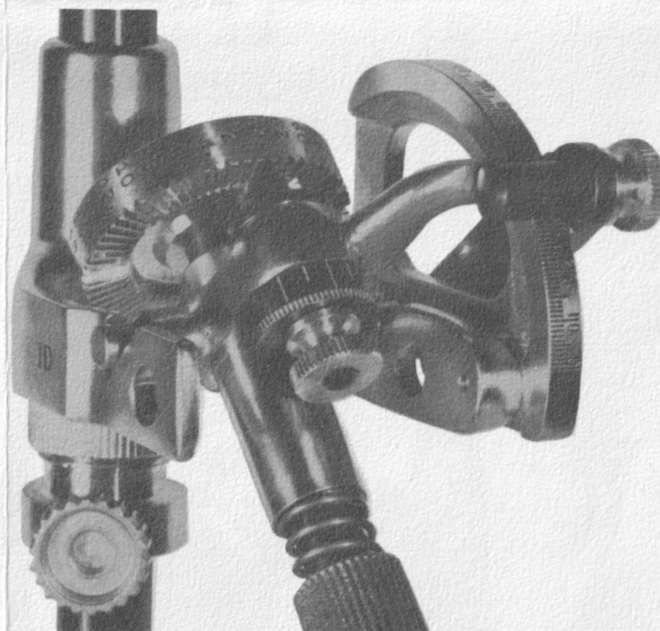
THE 60 INDEX provides 2, 3, 4, 5, 6, 10, 12, 15, 20, 30 or 60 equal divisions for triangle, square, pentagon, hexagon, various brilliants and practically all styles that cannot be cut with the 64. Of course, many additional cuts with unequal divisions can be made from any index plate.

Index positions are doubled by only one movement of the INDEX DIVIDER. Dialing to the mark on either side of center moves the index tooth exactly 1/2 of a 64 space; to the next mark is 1/2 of a 32 space. Further divisions or infinite splits can be made. Fancy cuts can have finely joined facets while the advantages of standard indexes for usual faceting are not sacrificed.

EXTRA INDEX PLATES: 32, 60 or 64

PRICE Each \$5.25 Shipping wt. 1/4 lb.

96 and 80 Index Plates Available
\$7.35 Each.



THE INDEX DIVIDER, like triggerless indexing, utilizes basic parts and makes other splitters crude by comparison. No in and out screws or tilting, no mere turning of dop or index plate by which fine splits and returns are next to impossible but a precise vernier adjustment of the index tooth by a simple turn of the dial.

FREE WHEELING with a provided spacer under the index plate enables free form faceting, round preforming, beveling curved edges, etc.

ELEVATION ANGLE ADJUSTMENTS are simple, fast. Thumbwheel locks elevating assembly, fine adjustments are made with calibrated micro nut. Also used in a second method of concentrically grinding edges of round gems: dopped gem is rotated in the two holes through the bracket while it is fed to the lap with the micro nut.

THE ANGLE STOP helps equalize depths of main facets, gem outlines, etc. Doesn't cause handpiece to raise or prevent its fast removal and replacement. Sensitivity plus stability of the LEE HEAD make the angle stop more effective than on light, flimsy heads striving only for sensitivity or low cost or others which sacrifice sensitivity to be needlessly cumbersome.



MODEL ID FACET HEAD

UNEQUALED AT ANY PRICE

ACCURATELY MADE of high tensile manganese bronze, quality rustproofed steels, brass, etc. Surpasses costlier heads in material, design, workmanship, beyond compare with others. No very small or fragile parts.

STURDY BUT FINELY BALANCED. Combines sensitivity with stability instead of sacrificing one for the other. Self compensates for wear to assure long-lived accuracy.

INGENIOUSLY DESIGNED. It reflects the efficiency of manufacture whereby it underprices heads of cheaper aluminum or ordinary bronze but costly hodge-podge structure. The intriguing screws, gears, levers and mysterious pieces attached here and there on costly heads may seem impressive but may be the complexities to be avoided.

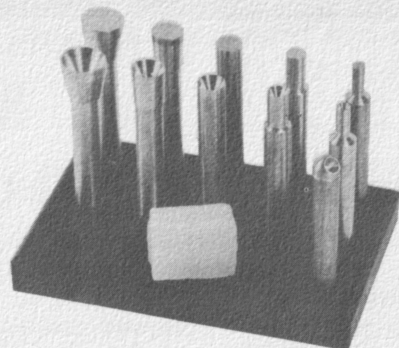
THE LEE IS DEVELOPED FAR BEYOND THIS by combining and coordinating various parts and functions. It not only excels in usual requirements but has extras such as **LIFT-OFF HANDPIECE** for far better view of facets; **NEOPRENE HANDGRIP** for delicate but firm control without tension and for powerful chuck closing; simple, one hand, **TRIGGERLESS INDEXING**; **HEAVIER DOPS** for improved stability and handling; *two ways of preforming*; **INDEX DIVIDING DIAL**, etc.

UNIVERSAL STANDROD BASE adapts to various lap units simply by bolting to a parallel surface about two inches below lap height.

MANUFACTURED BY

LEE LAPIDARIES

6617 Lorain Avenue Cleveland 2, Ohio



PRECISION DOP SET

Ten round brass dops in matched pairs self center most gem shapes and allow them to be dopped in a relative position of facets or shape to the keyed shank for repetitive positioning in facet head or V-block. Set includes a **WATERPROOF RACK**, an **ANGLE DOP** for polishing tables of gems too small to be held by hand and some **ANGLE DOP COLD WAX**, pliable enough to allow the gem table to align itself to the lap. The standard shank diameter of **LEE** dops is 5/16''.

PRICE \$9.00

Shipping wt. 1½ lbs.



45 DEGREE TABLE ADAPTOR

PRICE \$4.50

Shipping wt. 7 oz.

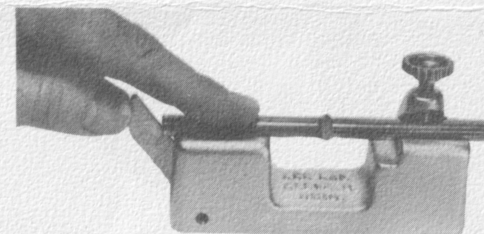
Machined of solid 1'' aluminum bar. Far above flimsy adaptors made of pieces. Upholds stability of the **LEE FACET HEAD** and dops for smooth table polishing of dopped gems without excessive deflection or chatter. Particularly useful for polishing tables last or after crown facets are cut.

LEE MODEL ID FACET HEAD WITH 64 INDEX AND INSTRUCTIONS \$54.75

Shipping weight 4 lbs.



THE LEE FACET HEAD is for right handed people. Held by the left hand, it leaves the right hand free for taking notes, applying abrasives, handling loupes, gauges, etc., providing maximum adeptness overall since facet handpiece operations are repetitious, about as easy to train one hand for as the other whereas the more varied note taking, etc. would require frequent release of a right hand held handpiece.



PRECISION V-BLOCK

Aluminum, accurately machined. Stainless steel key lever engages dop while *redopped* gem recenters itself between paired dops. Before wax hardens, gem is rotated to re-align a main facet as per mark on opposite dop so crown and pavilion facets will be aligned in finished gem. *Redopping* is done after either the crown or pavilion has been faceted, depending on which is to be cut first, and the girdle finished; *there is no transfer*; the gem is removed from the first dop, cleaned, then dopped to the second dop before placing in the V-block for alignment. The use of paired, self-centering dops eliminates the necessity of using the transfer method and the problems that go with it such as misalignment of gem due to wax softening on first dop from heat of dopping to second or gem coming off of dop during faceting due to using insufficient heat for good adhesion while trying to avoid the first problem, etc.

PRICE Less Dops \$5.70 Shipping wt. ¾ lb.

MASTER V-DOP

PRICE \$1.35

Shipping wt. ¼ lb.

Machined of solid ½'' square brass. Facilitates aligning straight sided gems in V-block. Also useful as faceting dop for such shapes too large for round dops. (See Accessories List for smaller V-dops).

