

Description



THE Laughlin-Hough Drawing Tables are constructed strictly upon mathematical and scientific principles and the object of the invention is to provide a means whereby Draughtsmen, Architects, Railroad and Civil Engineers, Artists, Designers, Wood Engravers, Students, &c., are enabled to accurately and rapidly make any desired class of drawing without the use of T Squares, Angle Squares, Protractors, Parallel Rule, Dividers or Sectors without change of position of arms or body, the operator working continuously in the most comfortable attitude.

The Drawing Board which receives the paper is constructed in such a manner that it revolves on its centre and is assisted in its rotary motion by friction rollers in frame underneath. The inner edge of outer frame in which the board revolves, is provided with a stationary protractor, made of celluloid, graduated from zero (0) in centre to 90 degrees right and left, and as a consequence any desired angle can be obtained instantaneously. It will thus be readily seen that with the protractor located around the outside edge of the board that carries the drawing, a much more accurate degree of angle can be obtained than by the old method of using a small protractor on the drawing.

The Tables can be lowered or raised to any desired height or pitch of angle, enabling the operator to sit or stand at pleasure, thus avoiding the cramped and awkward positions which are a necessity in the use of the ordinary drawing table.

One of the main features of this valuable Drawing Table is the travelling horizontal ruler, which is counter-balanced and is freely moveable, but will remain perfectly steady at any point where it may be placed, thus dispensing with the old-fashioned T squares. The ruler being adjustable, is always mathematically correct, and by the use of the vertical graduated rule at the outer edge all measurements are obtained instantaneously either at positive right angles or sections of angles. All wearing parts are adjustable and easy of access, all errors, imaginary lines, and use of erasing rubber are avoided, the old method of calculating is entirely done away with; all work is finished at one operation being ready for the tracer, blue print, or the work shop. The old system of securing the paper, by tacks, is dispensed with, the method adopted is to place the paper on the revolving table and is secured with spring clips, thus making it very convenient and holding the paper perfectly taut upon the board.

All lines are drawn horizontally and from left to right without change of position of the draughtsman no matter at what angle it is desired the lines shall appear upon the paper, and among other advantages thus accruing the light as a consequence always falls in a uniform and favorable manner upon the work.

They effect a great saving of time in the execution of all architectural and mechanical drawings. It has been calculated that on a fair average at least three-quarters of the time usually occupied on a drawing is saved by the use of these tables, and in many instances this proportion will be greatly exceeded. By diminishing the number of instruments employed they conduce to greater accuracy and lessen the chance of making errors. They enable the draughtsman to produce more exact and better work, drawings made thereby cannot be otherwise than mathematically correct. The tables, though ingeniously conceived, are yet in all respects simple and free from all that is cumbersome.

They are not only useful in the highest degree, but very ornamental to any office, the table in itself being really a work of art constructed of the very best material throughout, elegant in design, beautiful in finish and durable.

We cordially invite correspondence and will gladly furnish any information desired.