

ARITHMETICAL TABLES.

SQUARE OR LAND MEASURE.

144 square inches	= 1 square foot,	marked
9 square feet	= 1 square yard,	<i>sq. ft.</i>
30 $\frac{1}{4}$ square yards	= 1 square perch,	<i>sq. yd.</i>
40 square perches	= 1 rood,	<i>sq. per.</i>
4 roods	= 1 acre,	<i>rd.</i>
640 acres	= 1 square mile,	<i>ac.</i>
		<i>sq. mile.</i>

In Ireland 49 square yards make 1 square pole or perch. The square of any number is obtained by multiplying it by itself; 12 multiplied by 12=144, the square of 12.

CUBIC OR SOLID MEASURE.

1728 cubic inches	= 1 cubic foot.
27 cubic feet	= 1 cubic yard.
40 cubic feet of rough timber, or	} = 1 ton or load.
50 cubic feet of hewn timber,	
42 cubic feet.	= 1 ton of shipping.

A cube is a solid figure, similar to dice, and has six equal sides. The cube of any number is obtained by multiplying it twice by itself, thus, $12 \times 12 \times 12 = 1728$, the cube of 12.

MEASURE OF CAPACITY.

4 gills	= 1 pint,	marked
2 pints	= 1 quart,	<i>pt.</i>
4 quarts	= 1 gallon,	<i>qt.</i>
2 gallons	= 1 peck,	<i>gal.</i>
4 pecks	= 1 bushel,	<i>pk.</i>
8 bushels	= 1 quarter,	<i>bush.</i>
5 quarters	= 1 load,	<i>qr.</i>
		<i>ld.</i>

By this measure both liquids and dry goods are measured. The gill, pint, quart, gallon, are used for liquids. The peck, bushel, quarter, load, are used for dry goods. The gallon contains 277.274 cubic inches. The measure formerly called heaped measure is now, by Act of Parliament, declared illegal.

Ale, wine, and beer were formerly measured by different measures. In some places a barrel of beer contains 32, in some 34, and in others 36 gallons. A hogshead of ale was computed to contain 54 gallons, a hogshead of wine 63 gallons.

2 hogsheads make 1 pipe, or butt.
2 pipes or butts, make 1 tun.