

WEIGHTS AND MEASURES.

MEASURES OF LENGTH.

	Inches.	Feet.	Yards,	Poles.	Chns.	Fur.
Foot.....	12	1				
Yard.....	36	3	1			
Rod pole or perch.	198	16½	5½	1		
Chain.....	792	66	22	4	1	
Furlong.....	7,920	660	220	40	10	
Mile.....	63,360	5,280	1,760	320	80	
Mile, Geographical, Admiralty or Nautical,	6.082·66 feet=					
1.151 statute mile.						

PARTICULAR MEASURES OF LENGTH.

A hand, 4 inches. Link, 7·92 inches. Cubit, 18 inches.
 A pace, military, 2 ft 6 in. Pace, geometrical, 5 ft. Fathom, 6 ft. Cable's length, 100 fathoms. League, 3 miles.
 Degree 69½ miles=60 nautical knots or geog. miles,

SQUARE OR SURFACE MEASURE.

	Inches.	Feet.	Yards.	Pls.	Chns.	Rood.
Square foot.....	144	1				
Square yard.....	1,296	9	1			
Rod pole or perch	39,204	272¼	30¼	1		
Square chain....	627,264	4,356	484	16	1	
Rood.....	1,568,160	10,890	1,210	40	2½	1
Acre.....	6,272,640	43,560	4,840	160	10	4

A square mile contains 640 acres=2560 roods, 6,400 chains,
 102,400 rods, poles or perches, or 3,097,600 square yards.
 A square acre is 208·71 feet or roughly 69½ yards on each side

CUBIC OR SOLID MEASURE.

1728 cubic inches..... = 1 cubic foot.
 27 cubic feet, 21,033 bushels..... = 1 cub.
 40 cubic ft of rough or 50 of hewn timber = 1 ton or load.
 42 cubic feet..... = 1 shipping ton.
 108 cubic feet..... = 1 stack of wood.
 128 cubic feet 4x4x8..... = 1 cord of wood.
 40 cubic feet merchandise..... = 1 ton shipping.
 Ton of displacement of a ship = 35 cubic feet.

FLUID MEASURE.

60 minims.. = 1 fluid drachm | 20 ounces..... = 1 pint.
 8 drachms. = 1 ounce. | 8 pint.s..... = 1 galloe.

APOTHECARIES' WEIGHTS AND MEASURES.

20 grains..... = 1 scruple..... = 20 grains.
 3 scruples..... = 1 drachm..... = 60 "
 8 dracms..... = 1 ounce..... = 480 "
 12 ounces..... = 1 pound lb..... = 5760 "

The Avoirdupois ounce of 437½ grains, and the pound of 7,000 grains are the weights named in the London Pharmacopœia, and the drugs are purchased by Avoirdupois weight but compounded by Apothecaries.

TROY WEIGHT.

3·17 grains (U.S.) 3·2 = 1 c. rat | 20 pennyweights = 1 ounce.
 24 grains = 1 pennyweight. | 12 ounces = 1 pound.

AVOIRDUPOIS WEIGHT.

27½ grains = 1 drachm = 27·34375 grains.
 16 drachms = 1 ounce (oz.) = 437·5 grains.
 16 ounces = 1 pound (lb.) = 7000 grains, 256 dr = 1.2153 lb.
 troy.
 25 pounds = 1 quarter (qr.).
 4 quarters = 1 hundred weight (100 lb.)
 1 ton=20 cwt (2000 lbs.)