

(Continued from page 20)

teaspoonfuls. Let there be plenty of fresh air and quiet.

Capacity of Cisterns

For a circular cistern, take the diameter in feet, square that and multiply by .785398; that gives the area in feet; multiply this by 1728 and divide by 231, and you will have the number of gallons capacity of one foot in depth of the cistern. Multiply by the number of feet deep for total contents. If for a square cistern, multiply length by breadth, and proceed to multiply the result by 1728 and to divide by 231 as before. Calculated in this way we find that each foot in depth of a

Circular cistern 5 ft. in dia. holds 4.66 barrels.
 Circular cistern 6 ft. in dia. holds 6.71 barrels.
 Circular cistern 7 ft. in dia. holds 9.13 barrels.
 Circular cistern 8 ft. in dia. holds 11.93 barrels.
 Circular cistern 9 ft. in dia. holds 15.10 barrels.
 Circular cistern 10 ft. in dia. holds 18.65 barrels.
 Square cistern 5 x 5 feet holds.. 5.92 barrels
 Square cistern 6 x 6 feet holds.. 8.54 barrels
 Square cistern 7 x 7 feet holds.. 11.63 barrels
 Square cistern 8 x 8 feet holds.. 15.19 barrels
 Square cistern 9 x 9 feet holds.. 19.39 barrels
 Square cistern 10 x 10 feet holds.. 23.74 barrels

In calculating the capacity of cisterns, etc., 31½ gallons are estimated to one barrel and 63 gallons to one hogshead.

Tanks and Contents

Diam. Feet.	Depth Feet.	Gallons.	Diam. Feet.	Depth Feet.	Gallons.
12	8	6,767	24	12	0,607
14	9	10,363	26	13	1,628
16	9	13,535	28	14	64,481
18	10	19,034	30	15	79,310
20	10	23,499	32	16	96,253
22	11	31,277	34	17	115,451

To Prepare Fence Posts

Take boiled linseed oil and stir it into pulverized charcoal to the consistency of paint. Put a coat of this over the post. Time and weather have no effect on it. Posts can be prepared for less than two cents apiece.

Fire and Waterproof Cement

Two parts finely sifted unruined iron filings; one part perfectly dry finely powdered loam. Knead the mixture with strong vinegar into a

(Continued on page 24)