

ply that result by 7 and divide the product by 2.

128. To find how many bricks in a wall or building, multiply the length, height and thickness in feet by 20. A brick $8 \times 4 \times 2 = 64$ inches.

129. To find the content of barrels or casks. Square one half the sum of the bung and head diameters in inches, and multiply by the height in inches; then multiply by 8, and cut off the right hand figure; this gives the cubic inches which divided by $277\frac{1}{4}$ gives the number of gallons, and divided by 2150.4 gives the number of bushels.

130. Required the contents of a barrel whose middle or bung diameter is 22 inches, and diameter 18 inches, and 30 inches high? $22 + 18 \div 2 = 20$, the average diam. $20 \times 20 \times 30 \times 8 = 9600 \div 277\frac{1}{4} = 34\frac{3}{4}$ gls.

131. How many gallons in a round tank, 6 feet in diameter and 6 feet high? $6 \times 6 \times 8 = 288. 288 \times 6 = 1728$ gls or 1440 Canadian gls.

132. A cistern is 5 feet in diameter and 8 feet deep, how many barrels will it hold? $5 \times 5 \times 8 = 200 \div 5 = 40$ barrels.