about 16 cubic feet; in which are about 7½ ounces of solid carbon.

The combustion of 1 cubic foot of coal gas gives rise to 2 cubic feet of carbonic acid; while it consumes the oxygen of 10 cubic feet of air. The combustion of 1 pound of oil produces about 21 cubic feet of carbonic acid; while it consumes the oxygen of 130 cubic feet of air.

It has been found that the breathing of air in which the carbonic acid exceeds 1.5 per 1000 volumes, or .15 per cent., produces in many persons dullness, headache and dizziness. Dr. Smith, a high authority, found that 3 per cent. of carbonic acid in the air "produced great feebleness of the circulation, slowness of the heart's action, and quickened respiration;" which, in the feeble, might prove fatal to life: 5 or 6 per cent. of it is positively dangerous to breathe.

Now a man will, in a space of time little exceeding 2¼ hours, exhale 1.5 cubic foot of carbonic acid; and if occupying a room with a cubic space of 1000 feet, the air of the room will at the end of that time, if unchanged, contain .15 per cent. of the gas, or 1.5 per 1000 volumes. But it is not a very unusual thing for two men to sleep in a room with a space of only half-a-thousand cubic feet—perhaps 7 feet by 9, and 8 feet high,—so that in about 35 minutes the air in the room, if unchanged, would contain .15 per cent. of carbonic acid.

The above physiological facts and figures render obvious enough the importance of thorough ventilation.

POISONOUS PAPER.—A quantitative analysis has been made of sixteen square inches of the green wrapping paper commonly used to wrap about lozengers and candies, sold in shops and railway cars. The result of the analysis showed that this quantity contained 2.34 grains of metallic arsenic, a quantity sufficient to destroy the life of an adult person. Great caution should be observed in purchasing sweet meats for children; little ones not unfrequently put the wrappers in their mouth and chew or suck them. Instances of poisoning may have occurred from this cause, and the source of the mischief never suspected. The coloring matter, too, used in the preparation of confectionery is frequently of a poisonous nature.