

APPENDIX No. 7.

OPINIONS OF VARIOUS AUTHORITIES ON HYGIENE AND SANITATION IN
SCHOOLS AND SIMILAR BUILDINGS.

CLEMENT DUKES, F.R.C.P., M.D.—Superficial area should be 6 ft. by 12 ft. and the room 12 feet high. This gives 864 cubic feet per head which will allow for the air displaced by the furniture of the room and the body of the boy, and yet provide the full requirement of 800 cubic feet. A growing boy needs even more air than an adult since the former's respiration is more energetic and his expired air is more highly charged with CO₂ than an adult's, in consequence of the greater rapidity of the change of tissue.

The young are more acutely sensitive to impure air than adults; and in them consequently pre-breathed air is much more poisonous.

HUXLEY.—A healthy man requires at least 800 cubic feet of well ventilated space.

Dr. PARKES.—Every adult requires 800 cubic feet of breathing space.

FELIX CLAY.—*“Modern School Buildings.”*—There should be an allowance of *not less* than 65 square feet of *floor space* per head:—

Regulations of the Board of Education	-	-	65 square feet (800 cubic feet).
Leys School, Cambridge	-	-	62 " "
Royal Masonic Institution for Boys	-	-	58 ³ / ₄ " "
Clergy Orphan School, Bushey	-	-	66 " "
New Buildings, Christ's Hospital	-	-	72 " "
Dr. Clement Dukes' Model Dormitory	-	-	72 " "

ARTHUR NEWSHOLME, M.D. } Authors of *“School Hygiene.”*—From 750 to 1,000 cubic
WALTER C. C. ~~PARKES~~, D.P.H. } feet of space should be allowed for each scholar in the
bedroom.

Board of Education Requirements.

Building Regulations for *Secondary Schools* being principles to be observed in designing and fitting up *New Buildings*.

Section 14. Dormitories.—There must be a space of *not less than 3 feet* between beds, a floor space of *65 square feet* and cubic space of *800 cubic feet* for each scholar.

Section 15. Infirmarys.—1,000 cubic feet for each patient.

Section 3. Class Rooms.—No class room should be designed for more than 30 scholars. Single desks are preferable.

Gangway of 18 inches between each row and between the outer row of desks and the wall.

One foot between the last row of desks and the wall.

Floor area for each scholar 18 square feet. Air space 234 cubic feet. The Board will accept 16 square feet if the desks are placed closer together in pairs with a gangway of not less than 2 feet between every two rows of desks.

CLEMENT DUKES.—The minimum of the Board of Education should be increased whenever it is possible, as that ratio of air is undoubtedly insufficient.

Author of /

6 /

PARKES /

r /