Many times in our experience we find that an owner imagines that he desires certain space ventilated; he never considers just what it will cost-perhaps it may mean a matter of \$300, \$400 or \$500 to him, when, as a matter of fact, it would require from \$5,000 to \$7,000 to give a proper system. We have claimed that it requires approximately \$1,000 per floor to ventilate an ordinary building-say, from 100 to 150 feet long by 40 feet wide and 10 to 12 feet high; this is without an air washer. If an air washer is required it will cost from \$1,200 to \$1,400 per floor of the same size. Then there are so many features that have to be considered, not only the first cost, but the cost for operating the system. It is always desirable to get in an apparatus, that is to say, a ^ean of ample size that will only require the minimum of power to deliver the maximum amount of air, and the system must be generally designed so as to admit of the air being taken into the building with the minimum resistance and delivered to the various points in the room or rooms at a velocity which will not be objectionable. It is a pretty nice proposition to design a system to get all the air that is required into a building at any time and have it enter the building at a sufficiently low velocity and a proper temperature so that it will properly ventilate the space, and those occupying it will not feel any draughts or be made uncomfortable in any way by the incoming air; and, of course, provision must be made for getting the air out in like manner. Of course you are all aware of the usual manner of admitting air in, at, or near the ceilings on a sidewall of a room or building where it would be high enough to be above the heads of the occupants and allow it to escape at or near the floor. Such a system is usually installed in ordinary public schools or in a building of that class. While in a building which has a large auditorium, such as a public hall or a theatre, etc., the air is delivered in through the chair legs at the floor or through a series of small tubes under the seats and is allowed to escape out through a ventilator at the ceiling or roof of the building, and it is in such a building of this character that we sometimes recommend the use of an exhaust fan to relieve the pressure and remove the vitiated air rapidly from the top of the building, particularly in summer time. Of course, in a building like this referred to above, it is usual that there is a plenum space underneath the auditorium floor where the air is delivered and that is all right, unless the space is required for something else, when it is possible then to install a system of distributing pipes and branches can be taken off leading up through the floors, either up through the seat legs or through small tubes. Take a church, for instance; a good way to admit fresh air