

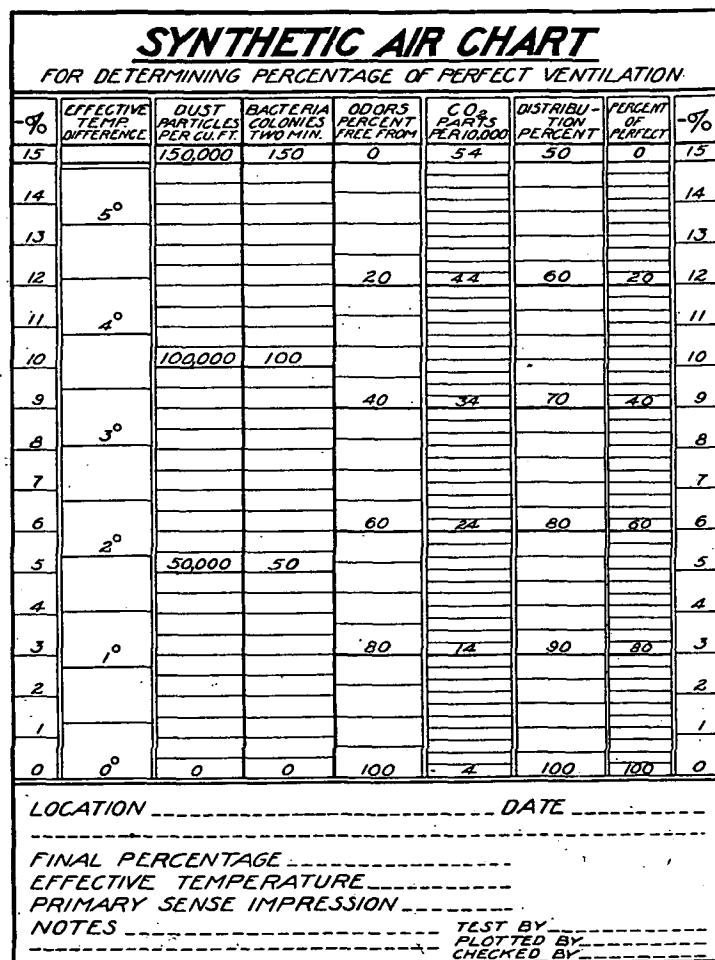


FIG. 1. THE SYNTHETIC AIR CHART

percentage of test as a whole, it was thought desirable to omit them.

The minus percentage columns in the old chart which appear at the right of each factor column, have been also omitted from the body of the chart and placed in duplicate on the right and left borders. This leaves the chart proper free from all figures, except those relating to the specific factor.

The scales have also been reversed in the present chart so that penalization for undesirable conditions as apply to the percentage of perfection for ventilation is directly proportional to the height of the shaded areas

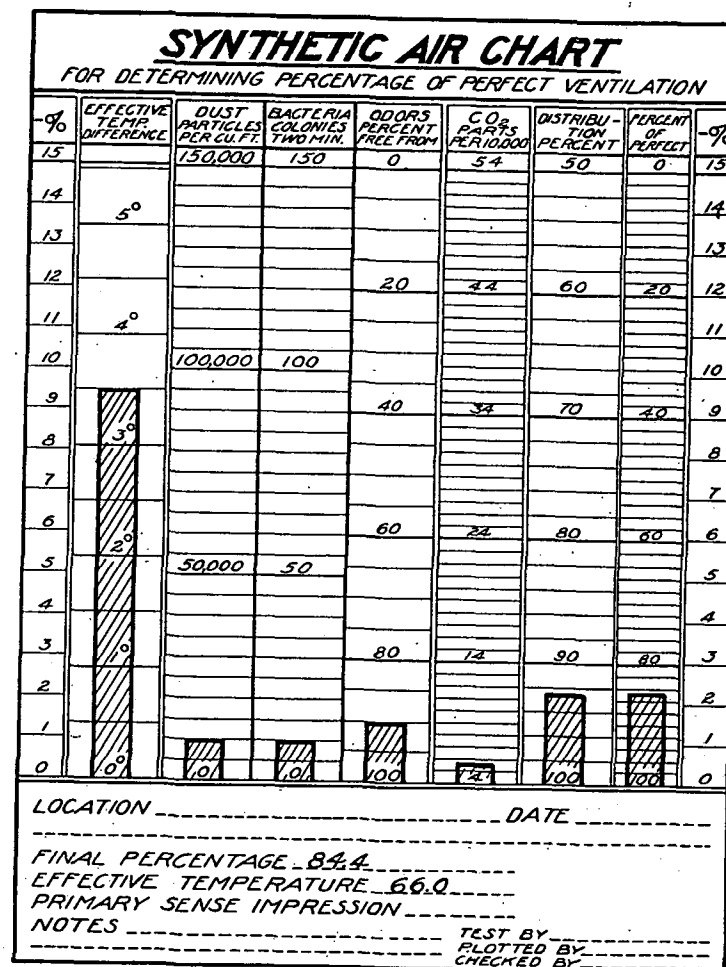


FIG. 2. METHOD OF CHARTING TEST RESULTS

in each column, as the chart in this form visualizes much better the defects in the air conditions represented by the test.

METHOD OF USING THE CHART

In using the Synthetic Air Chart, the floor area of the room to be tested is divided into a certain number of equal areas and tests made at the center of each area. In the standard school classroom, for example, the room is divided into four equal areas by two imaginary lines from the center of contiguous side walls, crossing at right angles in the center.