finally decided to take as base the year 1926, the price level for which was about halfway between that for 1925 and 1927. This is in effect practically equivalent to an average of the three years 1925, 1926 and 1927. The Bureau was also influenced in its choice of 1926 as base by the fact that the index numbers computed by the United States Bureau of Labour Statistics are on the 1926 base, and it was desirable, owing to the close interrelation of price movements in the two countries, to construct the index numbers on similar principles for comparative purposes.

Number of Price Series Included.—The new index numbers for all commodities show very much the same movement as the old series. It was, however, mainly for the purpose of improvements in groups and sub-groups that the number of price series included in the index was increased from 236 to 502. By this large increase in the number of items included it was possible to make many groups much more comprehensive and representative. Building and construction materials, for example, are now represented by a larger range of commodities, as well as by a more geographically complete series of prices. The number of price series in this group was increased from 32 to 90. Similar improvements have been made in a great many other groups and sub-groups. Chemicals and allied products now include 73 price series, as compared with 13 in the old index. Non-metallic minerals and their products are represented by 73 price series in the new index and 16 in the old. These changes in the number of price series have added greatly to the usefulness of the index numbers as regards groups and sub-groups, which furnish what may be called subsidiary index numbers for special purposes.

Formula.—Actual calculations of the index number were made according to the same formula as before. This formula, which produces the aggregative index, is now used for the purpose of calculating many of the most important index numbers and for a comparison of three or more periods on a fixed base has the support of many eminent index number makers. It is expressed as follows:  $\sum_{P_0, Q_0}^{P_1, Q_0}$ .

Weighting.-Weighting must of course conform to the formula used, but many variations are possible within the system. Quantity exchanged is the basis of the Bureau's weight, that is to say, production and import figures are used to arrive at a weight, but as regards production only quantities actually marketed are considered. In arriving at the weight for any commodity duplication is avoided by making deductions, where possible, when the commodity is included again in another form, as for example in the case of wheat and flour. An improvement in weighting has been made by working out a threefold system, viz., weights for individual commodities, sub-groups and finally groups of commodities. In the first place the commodities in each sub-group are weighted in such a manner as to arrive at the most accurate index for that sub-group. Such weights, however, will not do for a main group which may include another sub-group containing the same commodity in a different form. For this reason the sub-group index numbers are again weighted by sub-group weights (values worked into percentages). Another reason for the sub-group weights is the fact that in each sub-group only representative commodities are included. In order to give each sub-group sufficient weight in arriving at a group index it must be weighted by a figure which represents as far as possible the total value of all commodities which might be included in the sub-group. Finally, group index numbers are weighted in arriving at the index number for all commodities, so as to ensure that no group index will wield a disproportionate influence