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**Estimating Gross Value Added
in Indonesian Manufacturing Industries, 1917-1940**

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I. Introduction: Purpose of research and issues involved

The main purpose of our research is to make long-term estimates of gross value added in Indonesian manufacturing industries, including the period before and after the time of World War II. In this paper we would like to focus only on the prewar period. For this purpose, we have a large degree of freedom to choose how far backward tracing raw materials of which we will make use. In considering our relative disadvantages of the availability of original materials and of poor ability of handling materials in Dutch language, we have to select in the direction to specialize in the method of estimation, taking the statistical information of original materials is given outside. Fortunately, the fifteen volumes of CEI (*Changing Economy in Indonesia*) are available at our hands, and they can provide a solid foundation for our research project. If we decide to set CEI volumes as basic sources of our research project, we need to clearly mention here that our estimating works are solely based on the statistical information compiled and recorded in the 8th volume, W.A.I.M. Segers, *Manufacturing Industry 1879-1942*.

Looking at any one of time series data in the above 8th volume, they do not show any smooth trend at all, but present drastic ups and downs over time. An appropriate hypothesis can be presented that the performance mentioned could be due to heavy dependence of Indonesian manufacturing activities in the 1920s and 1930s on Indonesian agriculture and foreign demand. The dependency on these two sectors

could have caused, in the long run, the secular downward trend of prices of Indonesian manufacturing products with their sharp fluctuations in the short run. Note that our simple interpolating works were executed in the sole aim of avoiding discontinuity of our estimated total values from missing data in the original statistical information.

The reason why we set 1917-1940 as the period for our present estimation project is that CEI has relatively very little coverage over classified number of products before 1917. Based on the scope of products covered by CEI, the next stage for future project is 1911-1916. We have not conducted sufficient investigations to identify why this is the case.

II. Method of estimation and materials

We have adopted a typical production approach in order to make estimates of gross value added in Indonesian manufacturing industries.

1. Production values

Information on the values of production is fairly incomplete, putting our attempt to carry out our estimating works under strong constraints. They are actually derived from the following identity equations in order to solve them.

$$(1) V_{i,t} = Q_{i,t} * P_{i,t}$$

When the price vector is not available, we decide to use value vector ($V_{x,i,t}$) and volume vector ($Q_{x,i,t}$) of the applicable goods(i) shipped between islands. We then derive the price vector ($P_{x,i,t}$) using the following equation.

$$(2) P_{x,i,t} = V_{x,i,t} / Q_{x,i,t}$$

These procedures assume homogeneity of each commodity (price equality) between commodities traded internationally and domestically (described as Exports in volume 8 of CEI) and commodities produced on the islands. This assumption is expected to create upward biases for commodity prices.

From equations (1) and (2), the following equation can be obtained.

$$\begin{aligned} (3) V_{i,t} &= Q_{i,t} * P_{i,t} \\ &= Q_{i,t} * P_{x,i,t} \text{ where } P_{i,t} \cong P_{x,i,t} \\ &= Q_{i,t} * V_{x,i,t} / Q_{x,i,t} \end{aligned}$$

As mentioned earlier, Exports in CEI includes both foreign and domestic trades. In order to carry out our ASHSTAT DATABASE project, therefore, a thorough and intensive investigation to handle volume and value vectors in production is requested.

This request will be applicable to the way we conduct our study in this paper. For a detailed discussion on the basic materials, see the explanation of estimating manufacturing production in Appendix A of this paper.

2. Gross value added at current factor costs (VA_i)

Based on the value of production (V_i) in equation (2), gross value added can be derived from the following equation:

$$(4) \quad VA_{i,t} = V_{i,t} * VAR_i$$

VAR_i indicates the ratio of value added (= value added/value of production) in the i -th industry and the statistical information from the *Census of Manufacturing, 1974/75* was adopted. By doing so we naturally assumed that the postwar information on the ratio be applicable to the prewar period, and the ratios by industries be kept constant. These heroic assumptions have been utilized in many other attempts to estimate value added in the prewar period as in our present project. In one sense, however, the assumptions validate our attempt. That is, despite the assumptions we explicitly adopted – the applicability of the constant ratio of value added for each industry over a long period of time – shifts in industrial composition within total value added (or the values of production) inevitably bring about changes in the ratio of value added in manufacturing industries as a whole. This fact could be a positive or negative point, depending on whether or not it better reflects what actually happened. At any rate, it is impossible to confirm whether it happened or not because of a lack of necessary information. Our estimated results show that working with the constant ratio of gross value added by industries or by regions does not necessarily lead to the assumption of a constant ratio of gross value added in all manufacturing industries. Even over a long period of time, this is impossible by subdividing industrial or regional classifications in more detail.

3. Classification and ratio of value added of manufactures /manufacturing industries, using three digit classification codes

Petroleum products are a dominant factor in setting the gross value added for all manufacturing industries. See table b for the case where petroleum products are excluded from the measurement.

Table a. Manufactures, Industrial Code Number of 1974/75 Census,
Value Added Ratio, Etc.

| Code | Manufactures | Census Industry # | Value added ratio | Availability of value data (Available/Not available) |
|------|----------------------|----------------------|----------------------|--|
| A | Food | 311 | 0.5277 | Av |
| B | Sugar | 311 | 0.5277 | Av |
| C | Petroleum | 354 | 0.2942 | Av |
| D | Clothes | 321 | 0.3121 | Av |
| E | Batik | 322 | 0.3514 | Av |
| F | Tobacco | 314 | 0.4375 | Av |
| G | Others | n.a. | n.a. | N |
| G1 | Beverage | 313 | 0.6701 | Av |
| G2 | Kapok | 390 | 0.4864 | Av |
| G3 | Tannery | 323 | 0.2694 | N |
| G4 | Hats | 390 | 0.4864 | N |
| G5 | Mats | 390 | 0.4864 | N |
| G6 | Furniture | 332 | 0.4839 | Av |
| G7 | Paper | 341 | 0.2865 | Av |
| G8 | Printing | 342 | 0.5311 | N |
| G9 | Paint | 342 | 0.3405 | N |
| G10 | Medicine | 352 | 0.3405 | N |
| G11 | Opium | 352 | 0.3504 | N |
| G12 | Quinine | 352 | 0.3504 | N |
| G13 | Soap | 352 | 0.3504 | Av |
| G14 | Oil | 352 | 0.3504 | Av |
| G15 | Tires | 355 | 0.2648 | N |
| G16 | Re-smashed rubber | 355 | 0.2648 | N |
| G17 | Cement | 355 | 0.2648 | Av |
| G18 | Others | n.a. | n.a. | N |
| G181 | Tin plates | 372 | 0.2237 | Av |

4. Use of other CEI volumes

We can obtain vectors of Indonesian export values as well as volumes from the time series listed in the two CEI volumes, 12 a and b, titled *General Trade Statistics 1822-1940*, edited by W.L. Korthala Altes. If the other vectors, namely values and volumes of domestic consumption, are available as a time series, we can derive the values of domestic production. At least, since the values and volumes of exports are a part of the values of domestic products, a part of missing values can be supplemented by adding what is not included in the values and volumes of products in the manufacturing industries. This may be expected to be attempted when we will conduct further estimating works before 1916. We did not make it this time, because we thought that the quality of estimated results would be one level lower than what we are deriving this time.

III. Estimated results

The estimated results for gross value added obtained through our measurement is shown in Table b below. We limit our comparisons between our estimates and the Polak's estimates as existing ones, because of at current prices and of the duration of the observation period. (Polak, 1943) , see the appendix. Polak's estimates cover the period of 1921-1939. However, they only cover the period of 1928-1939 for Industry, and thus the period of comparison is limited to that period. Polak's value added estimates are in terms of national income(at current prices) and evaluated at market prices. Since the commercial margins are excluded from his estimates, it can be, in spite of that, judged nearly at factor costs. In contrast our estimates also exclude Petroleum Industry (Mfg. code 354) as Polak's estimates, but they are in terms of gross value added at market prices. Note, therefore, that we cannot directly compare between the two in a precise way.

Table b Comparison between Polak's National Income estimates and our gross value
 Added estimates (Unit : million florins)

| Year | Polak's estimates(1) | Our estimates(2) | (2)/(1)=(3) |
|------|----------------------|------------------|-------------|
| 1928 | 3 4 5 | 6 3 5 | 1.84 |
| 1929 | 3 8 4 | 6 1 5 | 1.60 |
| 1930 | 3 8 5 | 5 2 2 | 1.36 |
| 1931 | 2 7 5 | 4 4 8 | 1.63 |
| 1932 | 2 3 0 | 3 5 9 | 1.56 |
| 1933 | 2 0 5 | 3 3 3 | 1.62 |
| 1934 | 2 0 5 | 2 9 9 | 1.46 |
| 1935 | 2 1 5 | 3 0 6 | 1.42 |
| 1936 | 2 2 5 | 3 1 7 | 1.41 |
| 1937 | 2 5 5 | 3 5 8 | 1.40 |
| 1938 | 2 8 5 | 3 5 7 | 1.26 |
| 1939 | 3 0 0 | 3 7 3 | 1.24 |

Table c Gross Values Added in Manufacturing Industries

(At current prices, Unit: million florins)

| Mfg codes | 3 1 | 3 2 | 3 3 | 3 4 | 3 5 | 3 6 | 3 7 | 3 9 | 3 |
|-----------|-------|------|-----|-------|-----|-----|------|-----|------------------|
| 1917 | 0.9 | 14.7 | | | 0.5 | 1.1 | 8.6 | 0.5 | 26.3 (71784.0) |
| 1918 | 1.5 | 12.9 | | | 0.4 | 1.1 | 8.2 | 0.5 | 24.5 (90425.9) |
| 1919 | 9.1 | 18.5 | | | 0.7 | 1.1 | 11.4 | 1.3 | 42.1 (115079.7) |
| 1920 | 11.2 | 46.6 | | | 0.0 | 1.1 | 9.3 | 2.6 | 70.9 (100812.2) |
| 1921 | 64.1 | 36.5 | | | 0.5 | 1.6 | 5.3 | 2.3 | 110.2 (94162.0) |
| 1922 | 54.0 | 27.5 | | | 0.6 | 1.5 | 6.0 | 3.3 | 92.9 (125115.9) |
| 1923 | 54.3 | 29.3 | | 330.2 | 0.8 | 1.4 | 7.4 | 4.1 | 427.4 (70387.6) |
| 1924 | 235.8 | 31.3 | | 362.8 | 1.1 | 1.3 | 9.7 | 4.1 | 646.2 (64131.0) |
| 1925 | 209.0 | 35.0 | | 406.4 | 1.5 | 1.4 | 9.5 | 3.4 | 666.3 (69486.9) |
| 1926 | 198.1 | 26.2 | | 354.0 | 1.6 | 1.7 | 12.0 | 3.5 | 597.1 (63128.4) |
| 1927 | 259.1 | 24.1 | | 334.7 | 1.4 | 1.8 | 11.4 | 5.0 | 637.5 (59866.4) |
| 1928 | 275.7 | 22.3 | | 321.0 | 1.1 | 2.1 | 8.1 | 5.0 | 635.3 (50150.3) |
| 1929 | 254.4 | 23.8 | | 321.0 | 1.1 | 2.2 | 7.1 | 3.7 | 615.2 (53713.3) |
| 1930 | 227.9 | 20.2 | | 262.5 | 1.2 | 1.8 | 5.5 | 3.0 | 522.1 (48025.5) |
| 1931 | 177.3 | 18.0 | | 245.0 | 0.6 | 1.4 | 3.7 | 2.3 | 448.4 (51465.9) |
| 1932 | 118.4 | 14.9 | | 220.7 | 0.5 | 0.8 | 2.0 | 2.1 | 359.2 (31756.6) |
| 1933 | 101.0 | 12.6 | | 213.8 | 0.7 | 0.7 | 2.9 | 1.6 | 333.2 (66112.1) |
| 1934 | 135.7 | 10.4 | | 207.2 | 0.7 | 0.7 | 3.8 | 1.6 | 298.9 (29575.5) |
| 1935 | 82.5 | 11.0 | | 205.5 | 0.9 | 0.7 | 3.9 | 1.6 | 305.9 (27103.8) |
| 1936 | 111.7 | 13.6 | | 182.6 | 1.0 | 0.7 | 4.1 | 3.2 | 316.8 (30895.2) |
| 1937 | 140.8 | 19.2 | 0.2 | 185.1 | 1.1 | 0.7 | 6.3 | 5.2 | 358.5 (54687.6) |
| 1938 | 132.3 | 14.6 | 0.1 | 200.3 | 1.4 | 0.7 | 2.5 | 4.7 | 356.6 (23035.2) |
| 1939 | 157.7 | 16.1 | 0.1 | 187.1 | 1.8 | 1.4 | 5.9 | 3.0 | 373.2 (53834.8) |
| 1940 | 153.3 | 21.0 | 0.2 | 172.0 | 1.7 | 1.4 | 9.0 | 2.6 | 361.0 (56098.3) |

[Note] Manufacturing total (3) does not necessarily meet the sum of the figures for the two digit code of manufacturing industries due to round up. And we decided to exclude Mfg code 38 in this table because there are proper figures missing in the basic materials of CEI.

Figures in the parentheses include 'petroleum manufacturing industry.'

IV. Concluding remarks: Further work remained

Having obtained the estimates and examined them carefully, we see that the most important work left for further study is how to connect these estimate to those of the postwar period. As an examination of Indonesian government estimates is currently underway, we would like to wait for the results to come out and then begin investigating the problem of linkages between the two periods.

The second task to be done is to extrapolate our estimates backward to the years before 1916. Whether this can be done largely depends on the availability of basic statistical information for those years. The first step of the extrapolation work will aim at extending up to the period of 1911-1916. The second step will be to extend it further back to the period of 1870-1910. Even if basic statistical information is available for those periods, they will only contain data for a limited number of manufacturing products. If that is the case, we will finally need to apply the Major Index Method (MIM) and make some necessary adjustments.

The third work remained is to examine trends in the ratio of manufacturing GDP to the total GDP of Indonesian economy. In order to solve this problem, we have to begin to make estimating GDP for industries other than manufacturing. Estimates of long-term real GVA in the service industries have already been made, for 1919-1940. (See Shigeo Teranishi and Kazuki Yokoyama, 1998, D98-1)

The fourth task to be done, which relates to the third, is to decide how to determine the base year for the prewar period. Whether we should use a prewar base or a postwar one is an important issue for our whole project. We need to involve all the members of this project in a thorough discussion in order to arrive at our final decision. Applicability of the decision to each country and region can be examined later. At least we should have a common base year at first and then better use some local base years for each country or region, or for each period.

Appendix B. Tables of production of manufacturing industries

Table 1. Manufactures of food products, except sugar

| Year | 1 vegetable oil | 2 coconut oil | 4 exports of coconut oil | 5 as (4) | 6=5/4 export price | 7=2*6 coconut oil | 8 exports of coconut bung | 9 as (8) | 10=9/8 export price |
|------|-----------------|---------------|--------------------------|----------|--------------------|-------------------|---------------------------|----------|---------------------|
| 1917 | | 39.6 | 23740 | 15946.0 | 671.7 | 26599.1 | 2302 | 192 | 0.0834 |
| 1918 | | 55.0 | 31440 | 17615 | 560.3 | 30815.0 | | | |
| 1919 | | 100.0 | 44546 | 72407 | 1625.4 | 162544.3 | 21765 | 1741 | 0.0800 |
| 1920 | | 101.6 | 57257 | 67125 | 1172.3 | 119110.3 | 73764 | 4426 | 0.0600 |
| 1921 | 42.4 | 66.2 | 37575 | 22128 | 588.9 | 38985.3 | 14176 | 1134 | 0.0800 |
| 1922 | 21.4 | 37.0 | 2761 | 1503 | 544.4 | 20141.6 | 16755 | 1005 | 0.0600 |
| 1923 | 21.2 | 39.8 | 1325 | 662 | 499.6 | 19885.0 | 19215 | 1153 | 0.0600 |
| 1924 | 32.1 | 49.8 | 7165 | 4299 | 600.0 | 29880.0 | 24127 | 1930 | 0.0800 |
| 1925 | 44.3 | 71.5 | 9360 | 5096 | 544.4 | 38927.8 | 34611 | 3288 | 0.0950 |
| 1926 | 42.6 | 78.3 | 14905 | 7243 | 485.9 | 38049.4 | 37824 | 2805 | 0.0742 |
| 1927 | 49.5 | 90.1 | 8700 | 4224 | 485.5 | 43745.1 | 46879 | 3284 | 0.0701 |
| 1928 | 70.7 | 126.6 | 32994 | 15598 | 472.8 | 59850.5 | 64333 | 5836 | 0.0907 |
| 1929 | 62.5 | 128.2 | 30998 | 12662 | 408.5 | 52366.9 | 65199 | 6033 | 0.0925 |
| 1930 | 47.3 | 109.6 | 14492 | 5484 | 378.4 | 41474.4 | 54895 | 3375 | 0.0615 |
| 1931 | 36.3 | 107.2 | 4372 | 1284 | 293.7 | 31483.3 | 53545 | 2897 | 0.0541 |
| 1932 | 25.8 | 116.5 | 16308 | 2976 | 182.5 | 21259.7 | 58696 | 2475 | 0.0422 |
| 1933 | 23.4 | 130.1 | 9476 | 1393 | 147.0 | 19125.1 | 66272 | 2328 | 0.0351 |
| 1934 | 16.5 | 140.9 | 2593 | 254 | 98.0 | 13802.0 | 72270 | 1419 | 0.0196 |
| 1935 | 14.8 | 127.1 | 8462 | 768 | 90.8 | 11535.4 | 64597 | 1604 | 0.0248 |
| 1936 | 22.9 | 131.9 | 5946 | 843 | 141.8 | 18700.3 | 67302 | 1802 | 0.0268 |
| 1937 | 40.0 | 154.3 | 27955 | 6093 | 218.0 | 33630.8 | 79717 | 3390 | 0.0425 |
| 1938 | 28.4 | 176.1 | 20020 | 2536 | 126.7 | 22307.2 | 91861 | 3453 | 0.0376 |
| 1939 | 24.0 | 183.3 | 9205 | 879 | 95.5 | 17503.6 | 90791 | 2812 | 0.0310 |
| 1940 | 22.4 | 200.3 | 13898 | 1192 | 85.8 | 17179.3 | 46553 | 1153 | 0.0248 |
| Unit | f million | million kg | kg | f 1000 | f/kg | f million | 1000kg | f 1000 | f/kg |

| Table A.1. Food products Year | (Vegetable oil) | | | | | | | |
|----------------------------------|-----------------|---------|---------|-----------|-----------|-----------|-----------|-----------------------------|
| | 2 | 4 | 5 | 1.1 | 1.2 (11) | 1.3 (13) | 1.4 (16) | 1.1+1.2+ 1.3+1.4 =A.1 |
| | | | 2*(5/4) | | | | | |
| 1921 | 66.2 | 37575 | 22128 | 38.985 | 1.134 | 0.448 | 1.296 | 41.863 |
| 1922 | 37 | 2781 | 1503 | 19.997 | 1.005 | 0.051 | 1.781 | 22.834 |
| 1923 | 39.8 | 1325 | 662 | 19.885 | 1.153 | 0.011 | 1.475 | 22.524 |
| 1924 | 49.8 | 7165 | 4599 | 31.965 | 1.93 | 0.058 | 2.185 | 36.138 |
| 1925 | 71.5 | 9360 | 5096 | 38.928 | 3.288 | 0.499 | 2.335 | 45.050 |
| 1926 | 78.3 | 14905 | 7243 | 38.049 | 2.805 | 0.273 | 4.290 | 45.417 |
| 1927 | 90.1 | 8700 | 4224 | 43.745 | 3.284 | 0.605 | 7.113 | 54.747 |
| 1928 | 126.6 | 32994 | 15598 | 59.850 | 5.836 | 3.273 | 9.219 | 78.178 |
| 1929 | 128.2 | 30998 | 12662 | 52.367 | 6.033 | 2.005 | 11.177 | 71.582 |
| 1930 | 109.6 | 14492 | 5484 | 41.474 | 3.375 | 0.949 | 13.564 | 59.362 |
| 1931 | 107.2 | 4372 | 3209 | 78.684 | 2.897 | 0.759 | 12.084 | 94.424 |
| 1932 | 116.5 | 16308 | 2857 | 20.410 | 2.475 | 1.126 | 11.844 | 35.855 |
| 1933 | 130.1 | 9476 | 3087 | 42.383 | 2.328 | 1.048 | 10.698 | 56.457 |
| 1934 | 140.9 | 2593 | 3228 | 175.405 | 1.419 | 0.711 | 8.717 | 186.252 |
| 1935 | 127.1 | 8462 | 1880 | 28.238 | 1.604 | 0.705 | 13.637 | 44.184 |
| 1936 | 131.9 | 5946 | 2005 | 44.477 | 1.802 | 1.311 | 21.392 | 68.982 |
| 1937 | 154.3 | 27955 | 4722 | 26.063 | 3.39 | 1.904 | 26.101 | 57.458 |
| 1938 | 176.1 | 20020 | 3660 | 32.194 | 3.453 | 1.991 | 16.527 | 54.165 |
| 1939 | 183.3 | 9205 | 2274 | 45.282 | 2.812 | 2.25 | 15.773 | 66.117 |
| 1940 | 200.3 | 13898 | | | 1.153 | 1.736 | 9.561 | |
| Unit | million kg | 1000 kg | f 1000 | f million | f million | f million | f million | f million |

| Table A.4 & A. Year | Food products | | (Rice and Food total) | | | | | A.1+A.2+ A.3+A.4 =A |
|------------------------|---------------|---------|-----------------------|------------------|-----------|-----------|-----------|---------------------------|
| | 20 | 21 | 22 | 20*22/21 =A.4 | A.1 | A.2 | A.3 | |
| 1917 | | 120922 | 4451 | | | | 18.032 | |
| 1918 | | 151854 | 351 | | | | 8.560 | |
| 1919 | | 140570 | 4052 | | | | 50.240 | |
| 1920 | 338 | 126202 | 1844 | 0.005 | | | 27.420 | |
| 1921 | 160000 | 1367 | 369 | 43.189 | 41.863 | 0.057 | 18.684 | 103.793 |
| 1922 | 214542 | 11535 | 1846 | 34.334 | 22.834 | 0.256 | 25.634 | 83.058 |
| 1923 | 173742 | 25699 | 3855 | 26.062 | 22.524 | 0.186 | 31.134 | 79.906 |
| 1924 | 206779 | 39781 | 6743 | 35.050 | 36.138 | 0.311 | 31.438 | 102.937 |
| 1925 | 215002 | 30403 | 5147 | 36.398 | 45.05 | 0.384 | 23.629 | 105.461 |
| 1926 | 339000 | 30369 | 5166 | 57.667 | 45.417 | 0.257 | 24.537 | 127.878 |
| 1927 | 349000 | 10226 | 1795 | 61.261 | 54.747 | 0.582 | 34.849 | 151.439 |
| 1928 | 349027 | 9124 | 1413 | 54.053 | 78.178 | 0.864 | 46.302 | 179.397 |
| 1929 | 349651 | 10320 | 1587 | 53.769 | 71.582 | 0.964 | 33.299 | 159.614 |
| 1930 | 308611 | 6006 | 949 | 48.763 | 59.362 | 1.21 | 25.106 | 134.441 |
| 1931 | 332387 | 14379 | 1768 | 40.869 | 94.424 | 1.147 | 20.726 | 157.166 |
| 1932 | 365378 | 6919 | 619 | 32.688 | 35.855 | 1.227 | 15.418 | 85.188 |
| 1933 | 391390 | 12860 | 924 | 28.122 | 56.457 | 1.223 | 16.097 | 101.899 |
| 1934 | 517317 | 12909 | 918 | 36.788 | 186.252 | 0.962 | 12.771 | 236.773 |
| 1935 | 526439 | 13841 | 1034 | 39.328 | 44.184 | 1.201 | 11.514 | 96.227 |
| 1936 | 690113 | 22913 | 1774 | 53.431 | 68.982 | 1.716 | 19.902 | 144.031 |
| 1937 | 868426 | 28488 | 2488 | 75.844 | 57.458 | 2.975 | 31.361 | 167.638 |
| 1938 | 933543 | 15840 | 1369 | 80.683 | 54.165 | 2.376 | 15.471 | 152.695 |
| 1939 | 1114825 | 19912 | 1623 | 90.868 | 66.117 | 2.144 | 18.61 | 177.739 |
| 1940 | 1161961 | 64604 | 4786 | 86.081 | | 0.642 | 26.038 | |
| Unit | 1000 kg | 1000 kg | f 1000 | f million | f million | f million | f million | f million |

Table B. Production of sugar

| Year | 2 | 3 | 4 | 2*4/3=B.1 | 10 | 11 | 12 | 10*12/11 =B.2 | B.1+B.2 =B |
|------|--------|--------|--------|-----------|----|------|-----|------------------|---------------|
| 1917 | 1822.1 | 1184.4 | 212.4 | 326.8 | | 0.2 | 0.0 | | |
| 1918 | 1778.2 | 1538.5 | 183.6 | 212.2 | | | | | |
| 1919 | 1336.1 | 1862.1 | 762.2 | 546.9 | | 4.5 | 1.0 | | |
| 1920 | 1543.9 | 1510.2 | 1048.5 | 1071.9 | | 3.6 | 1.3 | | |
| 1921 | 1655.7 | 1675.1 | 414.6 | 409.8 | | 2 | 0.3 | | |
| 1922 | 1775.7 | 1434.5 | 270.7 | 335.1 | | 1.3 | 0.2 | | |
| 1923 | 1760.9 | 1822.1 | 498.3 | 481.6 | | 5.4 | 0.9 | | |
| 1924 | 1963.6 | 1864.6 | 488 | 513.9 | 43 | 13.9 | 1.9 | 5.9 | 519.8 |
| 1925 | 2261.1 | 2048.6 | 364.6 | 402.4 | 61 | 19.0 | 2.7 | 8.7 | 411.1 |
| 1926 | 1941.6 | 1702.6 | 264.5 | 301.6 | 60 | 12.7 | 1.8 | 8.5 | 310.1 |
| 1927 | 2351.2 | 1978.0 | 358.8 | 426.5 | 59 | 19.7 | 2.6 | 7.8 | 434.3 |
| 1928 | 2923.6 | 2534.5 | 369.3 | 426.0 | 58 | 30.3 | 3.3 | 6.3 | 432.3 |
| 1929 | 2871.0 | 2402.9 | 304.3 | 363.6 | 71 | 28.9 | 2.7 | 6.6 | 370.2 |
| 1930 | 2915.9 | 2222.0 | 244.2 | 320.5 | 63 | 17.8 | 1.4 | 5.0 | 325.5 |
| 1931 | 2772.4 | 1553.1 | 124.7 | 222.6 | 54 | 24.0 | 1.6 | 3.6 | 226.2 |
| 1932 | 2560.2 | 1501.6 | 97.1 | 165.6 | 50 | 12.0 | 0.6 | 2.5 | 168.1 |
| 1933 | 1372.6 | 1151.7 | 61.1 | 72.8 | 44 | 12.0 | 0.4 | 1.5 | 74.3 |
| 1934 | 636.1 | 1089.2 | 44.7 | 26.1 | 42 | 2.0 | 0.1 | 2.1 | 28.2 |
| 1935 | 509.7 | 1029.4 | 35.0 | 17.3 | 55 | 3.0 | 0.1 | 1.8 | 19.1 |
| 1936 | 574.7 | 880.5 | 33.6 | 21.9 | 58 | 3.0 | 0.1 | 1.9 | 23.8 |
| 1937 | 1379.9 | 1128.8 | 49.8 | 60.9 | 73 | 8.0 | 0.4 | 3.7 | 64.6 |
| 1938 | 1375.5 | 1071.1 | 44.4 | 57.0 | 91 | 6.0 | 0.3 | 4.6 | 61.6 |
| 1939 | 1562.5 | 1357.7 | 76.5 | 88.0 | 88 | 11.0 | 0.5 | 4.0 | 92.0 |
| 1940 | 1587.4 | 803.5 | 52.0 | 102.7 | 85 | 9.0 | 0.4 | 3.8 | 106.5 |

Unit million kg million kg f million f million million kg million kg f million f million f million

Table C. Petroleum products

| Year | 3.1 | 4.1 | 5.1 | 3.1*5.1/ 4.1=C.11 | 3.2 | 4.2 | 5.2 | 3.2*5.2/ 4.2=C.12 |
|------|------------|-----------|------------|----------------------|------------|-----------|------------|----------------------|
| 1917 | 490088 | 264199 | 39300 | 72901 | 351049 | 334565 | 38966 | 40886 |
| 1918 | 499924 | 309096 | 61388 | 99287 | 279941 | 233049 | 60647 | 72850 |
| 1919 | 539836 | 331298 | 100449 | 163677 | 307016 | 421188 | 99668 | 72651 |
| 1920 | 484256 | 291184 | 62360 | 103708 | 371544 | 359945 | 59997 | 61930 |
| 1921 | 506388 | 263653 | 50198 | 96413 | 404993 | 395991 | 123916 | 126733 |
| 1922 | 393029 | 199161 | 57601 | 113671 | 510941 | 468706 | 178555 | 194645 |
| 1923 | 387529 | 207137 | 25681 | 48046 | 521342 | 469810 | 92684 | 102850 |
| 1924 | 376074 | 181515 | 15732 | 32595 | 545532 | 484068 | 84300 | 95004 |
| 1925 | 439121 | 231428 | 19967 | 37886 | 618320 | 544307 | 94791 | 107680 |
| 1926 | 412512 | 213767 | 18112 | 34951 | 671403 | 601729 | 98930 | 110385 |
| 1927 | 458208 | 237461 | 17905 | 34550 | 806893 | 704141 | 81432 | 93315 |
| 1928 | 590528 | 370205 | 18243 | 29100 | 947839 | 830441 | 71086 | 81135 |
| 1929 | 762528 | 541203 | 29892 | 42116 | 1291208 | 1124946 | 96712 | 111006 |
| 1930 | 759823 | 520445 | 28331 | 41362 | 1508377 | 1314474 | 105296 | 120829 |
| 1931 | 649658 | 423266 | 20513 | 31485 | 1410851 | 1158192 | 81290 | 99023 |
| 1932 | 710338 | 455798 | 14142 | 22040 | 1320614 | 1155732 | 45891 | 52438 |
| 1933 | 727250 | 538984 | 17464 | 23564 | 1448949 | 1246182 | 45103 | 52442 |
| 1934 | 833949 | 605507 | 14896 | 20516 | 1521287 | 1454069 | 41808 | 43741 |
| 1935 | 853131 | 629767 | 13158 | 17825 | 1750760 | 1661160 | 39264 | 41382 |
| 1936 | 1051974 | 878314 | 18890 | 22625 | 1861412 | 1689584 | 44361 | 48872 |
| 1937 | 1165143 | 942803 | 29013 | 35855 | 2145916 | 1968120 | 77945 | 84986 |
| 1938 | 989459 | 788201 | 23313 | 29266 | 2252308 | 2080102 | 80981 | 87685 |
| 1939 | 1088998 | 929772 | 22842 | 26754 | 2515859 | 2185143 | 79402 | 91419 |
| 1940 | 1008706 | 820252 | 22011 | 27068 | 2243756 | 2001851 | 82502 | 92472 |
| Unit | million kg | f million | million kg | f million | million kg | f million | million kg | f million |

Table C. Petroleum products Cont'd 1)

| Year | 3.3 | 4.3 | 5.3 | 3.3*5.3/ 4.3=C.13 | 3.4 | 4.4 | 5.4 | 3.4*5.4/ 4.4=C.14 |
|------|-------|-------|-------|----------------------|---------|---------|-------|----------------------|
| 1917 | 9716 | 13501 | 3240 | 2332 | 365902 | 144653 | 6222 | 15739 |
| 1918 | 15224 | 24529 | 9566 | 5937 | 367491 | 110537 | 8320 | 27661 |
| 1919 | 14707 | 27056 | 10958 | 5957 | 388565 | 209291 | 19129 | 35514 |
| 1920 | 19344 | 16152 | 8237 | 9865 | 416625 | 249628 | 26842 | 44799 |
| 1921 | 16154 | 11326 | 5097 | 7270 | 412853 | 249783 | 18801 | 31075 |
| 1922 | | 15086 | 6034 | | | 345050 | 25971 | |
| 1923 | | 25141 | 7542 | | | 467157 | 16800 | |
| 1924 | | 23604 | 6137 | | | 445272 | 15379 | |
| 1925 | | 25226 | 6559 | | | 435118 | 14230 | |
| 1926 | | 28117 | 7286 | | | 469714 | 15566 | |
| 1927 | | 31266 | 5069 | | | 364505 | 10737 | |
| 1928 | | 32470 | 3702 | 0 | | 570291 | 14101 | |
| 1929 | | 31283 | 3505 | 0 | | 968251 | 18767 | |
| 1930 | | 26023 | 2800 | 0 | | 1225224 | 22435 | |
| 1931 | 26997 | 21660 | 2111 | 2631 | 1453575 | 1029111 | 19107 | 26988 |
| 1932 | 20132 | 14812 | 914 | 1242 | 1690960 | 1250226 | 17399 | 23533 |
| 1933 | 22551 | 17303 | 969 | 1263 | 1954429 | 1405793 | 19058 | 26496 |
| 1934 | 25630 | 20824 | 1047 | 1289 | 1983607 | 1518803 | 19568 | 25556 |
| 1935 | 22940 | 16776 | 593 | 811 | 2072347 | 1706324 | 19032 | 23115 |
| 1936 | 23278 | 17094 | 717 | 976 | 2217183 | 1856627 | 20182 | 24101 |
| 1937 | 32527 | 19675 | 1915 | 3166 | 2706570 | 2221342 | 32573 | 39688 |
| 1938 | 25138 | 13610 | 1357 | 2506 | 2792748 | 2565828 | 36395 | 39614 |
| 1939 | 29242 | 17310 | 1440 | 2433 | 2902392 | 2576038 | 31686 | 35700 |
| 1940 | 33790 | 20919 | 1639 | 2647 | 2853570 | 2460380 | 35580 | 41266 |

Unit million kg f million million kg f million million kg f million million kg f million

Table C. Petroleum products (Cont'd 2)

| Year | 3.5 | 4.5 | 5.5 | 3.5*5.5/ 4.5=C.15 | C.11 | C.12 | C.13 | C.14 | C. |
|------|--------|--------|-------|----------------------|--------|--------|------|-------|--------|
| 1917 | 48775 | 27542 | 11389 | 20169 | 72901 | 40886 | 2332 | 15739 | 152027 |
| 1918 | 58625 | 27868 | 15696 | 33019 | 99287 | 72850 | 5937 | 27661 | 238754 |
| 1919 | 58126 | 31366 | 19622 | 36363 | 163677 | 72651 | 5957 | 35514 | 314162 |
| 1920 | 56529 | 41826 | 23613 | 31914 | 103708 | 61930 | 9865 | 44799 | 252216 |
| 1921 | 58488 | 45658 | 22858 | 29281 | 96413 | 126733 | 7270 | 31075 | 290772 |
| 1922 | | 28928 | 17088 | | 113671 | 194645 | | | 308316 |
| 1923 | | 31978 | 10162 | | 48046 | 102850 | | | 150896 |
| 1924 | | 58893 | 12561 | | 32595 | 95004 | | | 127599 |
| 1925 | | 46992 | 13304 | | 37886 | 107680 | | | 145566 |
| 1926 | | 79925 | 14966 | | 34951 | 110385 | | | 145336 |
| 1927 | | 87624 | 11521 | | 34550 | 93315 | | | 127865 |
| 1928 | | 96765 | 9701 | | 29100 | 81135 | | | 110235 |
| 1929 | | 97934 | 10272 | | 42116 | 111006 | | | 153122 |
| 1930 | | 57769 | 5476 | | 41362 | 120829 | | | 162191 |
| 1931 | 80425 | 60889 | 6505 | 8592 | 31485 | 99023 | 2631 | 26988 | 168719 |
| 1932 | 67277 | 53821 | 3884 | 4855 | 22040 | 52438 | 1242 | 23533 | 104108 |
| 1933 | 74327 | 79950 | 4971 | 4621 | 23564 | 52442 | 1263 | 26496 | 108386 |
| 1934 | 93421 | 86370 | 5051 | 5463 | 20516 | 43741 | 1289 | 25556 | 96565 |
| 1935 | 235793 | 60584 | 2919 | 11361 | 17825 | 41382 | 811 | 23115 | 94494 |
| 1936 | 325922 | 64789 | 3492 | 17567 | 22625 | 48872 | 976 | 24101 | 114141 |
| 1937 | 288174 | 92344 | 10952 | 34177 | 35855 | 84986 | 3166 | 39688 | 197872 |
| 1938 | 360652 | 98687 | 12109 | 44252 | 29266 | 87685 | 2506 | 39614 | 203323 |
| 1939 | 592690 | 128864 | 12845 | 59079 | 26754 | 91419 | 2433 | 35700 | 215385 |
| 1940 | 524800 | 135508 | 11826 | 45800 | 27068 | 92472 | 2647 | 41266 | 209253 |

Unit million kg million kg f million f million million k million k f million f million f million

Table C. (Cont'd 3)

| Year | 3 | 4 | 5 | $3 \times 5/4 = C$ | 1.1. | 3/1.1. | C-alt | C/C-alt |
|------|------------|------------|-----------|--------------------|-----------|----------|-----------|---------|
| 1917 | 1265530 | 784460 | 151189 | 243906 | 1671610 | 0.757073 | 152027 | 1.60 |
| 1918 | 1221205 | 705078 | 177410 | 307277 | 1688541 | 0.723231 | 238754 | 1.29 |
| 1919 | 1308298 | 1020098 | 304879 | 391014 | 2081538 | 0.628525 | 314162 | 1.24 |
| 1920 | 1348298 | 958734 | 243482 | 342416 | 2273260 | 0.593112 | 252216 | 1.36 |
| 1921 | 1398843 | 966413 | 220869 | 319699 | 2285816 | 0.611967 | 290772 | 1.10 |
| 1922 | 1574552 | 1056932 | 285250 | 424948 | 2375671 | 0.662782 | 308316 | |
| 1923 | 1868488 | 1201223 | 152868 | 237784 | 2819159 | 0.662782 | 150896 | |
| 1924 | 1920185 | 1193352 | 134099 | 215774 | 2897159 | 0.662782 | 127599 | |
| 1925 | 2016290 | 1283071 | 148851 | 233913 | 3042161 | 0.662782 | 145566 | |
| 1926 | 1950072 | 1420877 | 154859 | 212535 | 2942252 | 0.662782 | 145336 | |
| 1927 | 2311535 | 1454450 | 126664 | 201305 | 3487625 | 0.662782 | 127865 | |
| 1928 | 2660571 | 1847098 | 116833 | 168287 | 4014248 | 0.662782 | 110235 | |
| 1929 | 3136948 | 2766308 | 159147 | 180470 | 4733001 | 0.662782 | 153122 | |
| 1930 | 3102193 | 3157567 | 164338 | 161456 | 4680563 | 0.662782 | 162191 | |
| 1931 | 3621506 | 2705139 | 129526 | 173403 | | | 168719 | 1.03 |
| 1932 | 3809325 | 2935296 | 82229 | 106714 | | | 104108 | 1.03 |
| 1933 | 4227506 | 3288160 | 87565 | 112580 | | | 108386 | 1.04 |
| 1934 | 4457894 | 3690163 | 82370 | 99507 | | | 96565 | 1.03 |
| 1935 | 4934971 | 4061840 | 74967 | 91082 | | | 94494 | 0.96 |
| 1936 | 5479769 | 4491445 | 87642 | 106927 | | | 114141 | 0.94 |
| 1937 | 6338330 | 5231245 | 152398 | 184650 | | | 197872 | 0.93 |
| 1938 | 6420305 | 5527863 | 154154 | 179041 | | | 203323 | 0.88 |
| 1939 | 7129181 | 5815162 | 148216 | 181708 | | | 215385 | 0.84 |
| 1940 | 6664622 | 5402167 | 153559 | 189445 | | | 209253 | 0.91 |
| Unit | million kg | million kg | f million | f million | f million | | f million | |

Table D. Weaving Industry

| Year | 3 | 7 | 11.1 | 12.1 | 7*12.1/ 11.1 | 1 | 9 | 9*12.1/ 11.1 |
|------|---------|----------|----------|--------|-----------------|--------|----------|-----------------|
| 1917 | | | | | | | | |
| 1918 | | | | | | | | |
| 1919 | | | | | | | | |
| 1920 | | | | | | | | |
| 1921 | 2397 | 7192 | | | | 9250 | | |
| 1922 | 2117 | 6352 | | | | 5147 | | |
| 1923 | 2127 | 6380 | | | | 5202 | | |
| 1924 | 2591 | 7772 | | | | 6245 | | |
| 1925 | 2946 | 8837 | | | | 9241 | | |
| 1926 | 2877 | 8630 | | | | 8333 | | |
| 1927 | 2931 | 8792 | | | | 6282 | | |
| 1928 | 3411 | 10232 | | | | 6978 | | |
| 1929 | 3575 | 10726 | | | | 7587 | | |
| 1930 | 2898 | 8694 | | | | 5367 | 600 | |
| 1931 | 3236 | 9708 | 4603 | 4424 | 9330 | 4201 | 1100 | 1057 |
| 1932 | 2555 | 7664 | 8833 | 4249 | 3687 | 3032 | 900 | 433 |
| 1933 | 3360 | 10080 | 13394 | 4222 | 3177 | 3439 | 1100 | 347 |
| 1934 | 3983 | 11678 | 6104 | 2099 | 4016 | 4115 | 2400 | 825 |
| 1935 | 4848 | 14543 | 6148 | 2472 | 5847 | 4934 | 4000 | 1608 |
| 1936 | 5336 | 16009 | 5634 | 2204 | 6263 | 4984 | 5400 | 2112 |
| 1937 | 11301 | 33903 | 5362 | 2355 | 14890 | 13334 | 7000 | 3074 |
| 1938 | 9256 | 27768 | 2019 | 879 | 12089 | 10259 | 9000 | 3918 |
| 1939 | 17076 | 51229 | 1007 | 305 | 15516 | 14586 | 10500 | 3180 |
| 1940 | 18256 | 54768 | 140 | 87 | 34034 | 15318 | 11500 | 7146 |
| Unit | 1000 kg | 1000 pcs | 1000 pcs | f 1000 | f 1000 | f 1000 | 1000 pcs | f 1000 |

Table E. Batik Industry

| Year | 17=E | 18 | 17/18 |
|------|-------|------|-------|
| 1917 | 40.0 | 40.0 | 1.000 |
| 1918 | 35.0 | 28.0 | 1.250 |
| 1919 | 50.0 | 36.0 | 1.389 |
| 1920 | 130.0 | 63.0 | 2.063 |
| 1921 | 100.0 | 48.0 | 2.083 |
| 1922 | 75.0 | 44.0 | 1.705 |
| 1923 | 80.0 | 50.0 | 1.600 |
| 1924 | 85.0 | 52.0 | 1.635 |
| 1925 | 95.0 | 58.0 | 1.638 |
| 1926 | 70.0 | 54.5 | 1.284 |
| 1927 | 64.0 | 66.0 | 0.970 |
| 1928 | 58.0 | 60.3 | 0.962 |
| 1929 | 62.0 | 63.0 | 0.984 |
| 1930 | 53.0 | 52.4 | 1.011 |
| 1931 | 43.0 | 48.0 | 0.896 |
| 1932 | 39.0 | 50.2 | 0.777 |
| 1933 | 33.0 | 50.6 | 0.652 |
| 1934 | 26.0 | 48.6 | 0.535 |
| 1935 | 26.0 | 44.8 | 0.580 |
| 1936 | 33.0 | 61.2 | 0.539 |
| 1937 | 41.3 | 72.1 | 0.573 |
| 1938 | 30.8 | 54.5 | 0.565 |
| 1939 | 31.9 | 56.8 | 0.562 |
| 1940 | 29.4 | 51.4 | 0.572 |

Unit f million million pcs f/pcs

Table F. Tobacco Manufactures

| Year | 3 | 5.1 | 6=F.2 | 3*6/5.1 =F.1 | 12=F.3 | 17=F.4 | F. |
|------|-------------|-------------|-----------|-----------------|-----------|-----------|-----------|
| 1917 | 1.4 | | | | | | |
| 1918 | 1.1 | | | | | | |
| 1919 | 1.2 | 1.400 | 7.000 | 6.000 | | | 13.000 |
| 1920 | 0.6 | 1.700 | 8.000 | 2.824 | | | 10.824 |
| 1921 | 1.6 | 1.400 | 7.000 | 8.000 | 2.000 | | 17.000 |
| 1922 | 2.1 | 1.400 | 7.000 | 10.500 | 2.000 | | 19.500 |
| 1923 | 1.8 | 1.800 | 10.000 | 10.000 | 3.000 | | 23.000 |
| 1924 | 2.7 | 2.100 | 14.000 | 18.000 | 6.000 | | 38.000 |
| 1925 | 4.6 | 2.700 | 15.000 | 25.556 | 11.000 | | 51.556 |
| 1926 | 7.0 | 3.300 | 16.000 | 33.939 | 22.000 | | 71.939 |
| 1927 | 11.4 | 5.200 | 19.000 | 41.654 | 32.000 | | 92.654 |
| 1928 | 13.3 | 7.200 | 23.000 | 42.486 | 33.000 | | 98.486 |
| 1929 | 9.6 | 6.129 | 29.000 | 45.423 | 44.000 | | 118.423 |
| 1930 | 13.6 | 6.332 | 26.000 | 55.843 | 39.000 | | 120.843 |
| 1931 | 11.3 | 6.121 | 6.423 | 11.858 | 32.000 | | 50.281 |
| 1932 | 9.1 | 5.429 | 5.667 | 9.499 | 28.900 | | 44.066 |
| 1933 | 12.9 | 7.744 | 7.951 | 13.245 | 27.200 | 3.600 | 51.996 |
| 1934 | 20.4 | 10.523 | 10.758 | 20.856 | 24.400 | 3.175 | 59.189 |
| 1935 | 16.1 | 9.700 | 9.70 | 16.100 | 24.300 | 3.000 | 53.100 |
| 1936 | 18.4 | 10.630 | 10.63 | 18.400 | 26.425 | 3.200 | 58.655 |
| 1937 | 13.7 | 13.540 | 13.54 | 13.700 | 34.152 | 3.512 | 64.904 |
| 1938 | 13.9 | 12.400 | 12.40 | 13.900 | 35.208 | 3.260 | 64.768 |
| 1939 | 16.9 | 11.370 | 11.37 | 16.900 | 39.228 | 2.988 | 70.486 |
| 1940 | 11.6 | 9.954 | 9.954 | 11.600 | 49.312 | 3.500 | 74.366 |
| Unit | million unt | million unt | f million | f million | f million | f million | f million |

Table G.1 & G.2

Beverages and Kapok

| Year | 2 | 4 | 7 | 2+4+7 =G.1 | 12 | 10 | 11 | 12*11/10 =G.21 | 14=G.22 | G.21+ G.22=G.2 |
|------|------|------|------|---------------|-------|-------|-------|-------------------|---------|-------------------|
| 1917 | 767 | 627 | | 1.394 | 2130 | 11939 | 5373 | 959 | 86 | 1.045 |
| 1918 | 943 | 1263 | | 2.206 | 1825 | 9253 | 4811 | 949 | | 0.949 |
| 1919 | 3522 | 1565 | | 5.087 | 2115 | 17528 | 14198 | 1713 | 905 | 2.618 |
| 1920 | 7823 | 1826 | | 9.649 | 3298 | 12666 | 14312 | 3727 | 1570 | 5.297 |
| 1921 | 2007 | 749 | | 2.756 | 4289 | 17876 | 15552 | 3731 | 977 | 4.708 |
| 1922 | 2134 | 270 | | 2.404 | 5089 | 15880 | 16833 | 5394 | 1444 | 6.838 |
| 1923 | 2771 | 2693 | | 5.464 | 5357 | 13582 | 17385 | 6857 | 1517 | 8.374 |
| 1924 | 2265 | 408 | | 2.673 | 6033 | 16528 | 19674 | 7181 | 1183 | 8.364 |
| 1925 | 2332 | 329 | | 2.661 | 5568 | 17946 | 21630 | 6711 | 325 | 7.036 |
| 1926 | 2280 | 458 | | 2.738 | 6142 | 15000 | 17369 | 7112 | 159 | 7.271 |
| 1927 | 3125 | 420 | | 3.545 | 8206 | 17244 | 19969 | 9503 | 760 | 10.263 |
| 1928 | 3272 | 197 | | 3.469 | 8668 | 17710 | 19291 | 9442 | 894 | 10.336 |
| 1929 | 2944 | 256 | | 3.200 | 8597 | 16101 | 13307 | 7105 | 583 | 7.688 |
| 1930 | 2662 | 215 | | 2.877 | 6901 | 19187 | 15559 | 5596 | 470 | 6.066 |
| 1931 | 1677 | 130 | 200 | 2.007 | 8019 | 19036 | 10038 | 4229 | 559 | 4.788 |
| 1932 | 989 | 98 | 1000 | 2.087 | 7665 | 16970 | 8128 | 3671 | 547 | 4.218 |
| 1933 | 493 | 39 | 1200 | 1.732 | 8068 | 20936 | 7427 | 2862 | 475 | 3.337 |
| 1934 | 418 | 58 | 2400 | 2.876 | 9160 | 19327 | 6011 | 2849 | 433 | 3.282 |
| 1935 | 235 | 62 | 3400 | 3.697 | 10450 | 23309 | 6228 | 2792 | 485 | 3.277 |
| 1936 | 239 | 89 | 3500 | 3.828 | 20681 | 26024 | 7336 | 5830 | 660 | 6.490 |
| 1937 | 400 | 113 | 4900 | 5.413 | 23282 | 17243 | 7344 | 9916 | 680 | 10.596 |
| 1938 | 374 | 160 | 5500 | 6.034 | 21973 | 14866 | 6373 | 9420 | 186 | 9.606 |
| 1939 | 358 | 54 | 5900 | 6.312 | 14335 | 20097 | 8542 | 6093 | 159 | 6.252 |
| 1940 | 489 | 139 | 6900 | 7.528 | 17253 | 15534 | 4583 | 5090 | 203 | 5.293 |

Unit f 1000 f 1000 f 1000 f million 1000 kg 1000 kg f 1000 f 1000 f 1000 f million

Table G.4, G.5, G.7, G.11, G.12, G.13 & G.14: Hats, Mats, Furniture, Paper Opium, Quinine,
 Soap & Essential oils

| Year | 21=G.4 | 24=G.5 | 27=G.6 | 29=G.7 | 35 | 36 | 37 | 35*37/36 =G.11 | 40=G.12 | 47=G.13 | 49=G.14 |
|------|--------|--------|--------|--------|--------|--------|--------|-------------------|---------|---------|---------|
| 1917 | 1436 | 956 | | | 105540 | 94126 | 38205 | 42838 | 130 | 344 | 1402 |
| 1918 | 1572 | 1108 | | | 84777 | 90183 | 38750 | 36427 | 253 | 584 | 641 |
| 1919 | 2270 | 1526 | | | 86325 | 91717 | 42487 | 39989 | 640 | 729 | 1745 |
| 1920 | 2872 | 2200 | | | 119457 | 100665 | 53591 | 63595 | 310 | 735 | 2751 |
| 1921 | 1461 | 1032 | | | 74319 | 84719 | 53265 | 46726 | 285 | 420 | 1151 |
| 1922 | 1831 | 704 | | | 63481 | 65452 | 44186 | 42855 | 125 | 400 | 1551 |
| 1923 | 2310 | 779 | | 1152 | 47910 | 53535 | 37566 | 33619 | 251 | 355 | 2375 |
| 1924 | 2622 | 861 | | 1266 | 48018 | 50343 | 35296 | 33666 | 238 | 476 | 3392 |
| 1925 | 3480 | 981 | | 1418 | 57965 | 52809 | 36621 | 40196 | 180 | 635 | 4463 |
| 1926 | 2629 | 1163 | | 1235 | 52930 | 55187 | 37698 | 36156 | 132 | 1002 | 4517 |
| 1927 | 2633 | 1187 | | 1168 | 57496 | 59105 | 40580 | 39475 | 75 | 1235 | 3421 |
| 1928 | 7821 | 980 | | 1120 | 65956 | 61799 | 42826 | 45707 | 47 | 845 | 2782 |
| 1929 | 5615 | 853 | | 1127 | 57752 | 58807 | 40938 | 40204 | 48 | 1199 | 2564 |
| 1930 | 3973 | 717 | | 916 | 45160 | 49280 | 34549 | 31661 | 54 | 1147 | 2922 |
| 1931 | 3529 | 492 | | 855 | 28633 | 35788 | 25312 | 20251 | 1431 | 819 | 1064 |
| 1932 | 886 | 303 | | 770 | 20030 | 24428 | 17348 | 14225 | 1317 | 534 | 1174 |
| 1933 | 974 | 225 | | 746 | 16521 | 18356 | 12661 | 11395 | 1498 | 425 | 1786 |
| 1934 | 1009 | 200 | | 723 | 14566 | 16651 | 11145 | 9749 | 1399 | 402 | 2117 |
| 1935 | 644 | 261 | | 717 | 13536 | 14513 | 9527 | 8886 | 2183 | 919 | 2123 |
| 1936 | 646 | 289 | | 637 | 16349 | 15578 | 8882 | 9322 | 3200 | 1259 | 2157 |
| 1937 | 736 | 477 | 318 | 646 | 25014 | 20551 | 11476 | 13968 | 3677 | 1912 | 2099 |
| 1938 | 609 | 439 | 286 | 699 | 20570 | 22191 | 11948 | 11075 | 3514 | 1825 | 2909 |
| 1939 | 562 | | 284 | 653 | | 21514 | 11527 | | 4126 | 1958 | 4313 |
| 1940 | 700 | | 369 | | | 22099 | 11724 | | 18418 | 2156 | 3504 |
| Unit | f 1000 | f 1000 | f 1000 | f 1000 | kg | kg | f 1000 | f 1000 | f 1000 | f 1000 | f 1000 |

Table G.17 & G.18 .

| Year | 56 | 57 | 58 | 56*58/ 57=G.17 | 66=G.181 |
|------|---------|---------|--------|-------------------|----------|
| 1917 | 34725 | | 13090 | | 40321 |
| 1918 | 30976 | | 11560 | | 38576 |
| 1919 | 24583 | | 5270 | | 53827 |
| 1920 | 36572 | | 12070 | | 43927 |
| 1921 | 44981 | 38914 | 2562 | 2961 | 24926 |
| 1922 | 62621 | 59354 | 2560 | 2701 | 28229 |
| 1923 | 79587 | 74552 | 2402 | 2564 | 34864 |
| 1924 | 82654 | 87086 | 2441 | 2317 | 45800 |
| 1925 | 100402 | 99002 | 2597 | 2634 | 44916 |
| 1926 | 108449 | 106639 | 3111 | 3164 | 56250 |
| 1927 | 108690 | 107227 | 3228 | 3272 | 53595 |
| 1928 | 135456 | 123236 | 3473 | 3817 | 37999 |
| 1929 | 142290 | 148920 | 4141 | 3957 | 33345 |
| 1930 | 134889 | 142290 | 3540 | 3356 | 25823 |
| 1931 | 134889 | 134889 | 2600 | 2600 | 17533 |
| 1932 | 79050 | 79050 | 1415 | 1415 | 9372 |
| 1933 | 74120 | 74120 | 1215 | 1215 | 13668 |
| 1934 | 113000 | | 1831 | | 17719 |
| 1935 | 140000 | | 1900 | | 18184 |
| 1936 | 136000 | | 1897 | | 19368 |
| 1937 | 130000 | | 2333 | | 29424 |
| 1938 | 155000 | | 2699 | | 11868 |
| 1939 | 170000 | 195633 | 2909 | 2528 | 27681 |
| 1940 | 211395 | | | | 42397 |
| Unit | 1000 kg | 1000 kg | f 1000 | f 1000 | f 1000 |