

The law PRESERVATION of a LABOUR the methodical fundamentals of the INDEX planning of development of small business.

Substantive provisions: *the implementation of the index planning of small business on the basis of designed techniques of the comparative economic analysis allows sharply to raise objectivity of an estimation of perspectives of investment of those or diverse directions of technological development. The Mariupol is objective labour school could formulate and prove availability of the laws of PRESERVATION of a LABOUR and NON-Destroy of an INTELLIGENTLY - SPIRITUAL LABOUR, which one and are the fundamentals of the methodological base of designed methodical maintenance. It will allow economic growth rate of USA still to speed up, having achieved its doubling not for 13 years, and for 10-8 years (the optimization of manpowers always was the powerful giving reasons factor). Also at mastering by the chiefs of small business and managers of state introducing frames of the States of the members WTO by practice of usage of designed techniques of the comparative economic analysis it is possible in 2004 to supply(ensure) general economic growth of world economics not at a level 3,5 % (forecast of the United Nations), and at a level 4,0 - 4,5 %, as a minimum. We express sincere thanks to a managers of the New York Academy of Sciences, American Association for the Advancement of Science, to publishing House «Who is Who» in USA, International Biographic Center in Cambridge, England, International Biographic Association BC in Cambridge, England, American Biographic Institute, Library of a Congress of USA, Library of a Polish Academy of Sciences, Society of 1817 "«Heritage" of the New York Academy of Sciences, members of Civil International Committee on preparation of a world public opinion for realization of the First world-wide Congress of a Spiritual Unification in New York, and also all our colleagues in Europe and America for warm attitude(relation) to us and to our minings. We, hope, that our proposals will be interesting to the chiefs of business and state frames.*

Keywords: *profitability, Law of PRESERVATION of a LABOUR, Law NON-Destroy of an INTELLIGENTLY - SPIRITUAL LABOUR, profitability of a LABOUR, realized responsibility, sufficient budget, internal gross product, Civil International Committee, economic growth(increase), world economics, brake disk, hub, shell, cost price, labour input, overhead expense, German consultative group on economic problems at Government of Ukraine, Winner of the Nobel Premium Wasil Wasiljevich Leontjef.*

The economic situation of Ukraine is characterized today by actual slump in production and low parameter(index) of the internal gross product (IGP) as contrasted to 1990. It is considered

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officially, that the modern IGP makes 25 % from a IGP 1990r., but on this digit of falling difficultly how much is authentic to say. There can be its more, and can be its less. Probably, any professional economist in epoch of «TAC "- SCORES" will not undertake the responsibility for this digit. Really, there is an impression, that statistics has turn intoed the vehicle of service of the political programs, but it in a recent domestic history already was and does not call for us in Ukraine of the special surprise.

It is very good, that the chiefs of the Ukrainian State declared the tendency to be integrated with European Union, but in the investment policy of countries of Central Europe, let alone corporations and corporations of the Western-European states, as not so aim to take into account concerns of Ukraine. Even the projects, which one are more expedient, outgoing from economic calculations, our partners in Europe, are braked also their fulfilment is put aside (« Is new Guta» in Poland).

It is possible to present by infinite lists problems both claims to the operational managers and their predecessors, but it basically not structurally, since only abstracts for few minutes from unsolved and rising problems. The beautiful slogan «Faster to be integrated with European Union », certainly, carries away. But it is impossible to all of us to overlook(forget) and about attitudes(relations) with Russia, which one neither to tear, nor to aggravate is illogical neither Ukraine, nor Europe. Yes, the Russian investments predominantly support from full falling of taking much materials of branch and while of the innovational contribution to high Ukrainian technologies difficultly to expect. But, and who from the experts expected other? It is necessary to be real men, but not «policies from science», searching acquittings of own passivity, but contributors and chiefs seek to decide ripened problems. It is impossible all problems of inducing to shift on representatives of power structures. Their approaches are conventional and do not conduct neither to higher intellectualization of a labour, nor to any competitiveness. Really, what they can offer instead of normally working material and intellectual (moral) incentives? Only creation of atmosphere of pavor down out of all monogynopaedium "«sponsored" in a condition of feral(natural) poverty (you see tortures and other methods of brutal effect are prohibited by the Convention on Human rights, which one Ukraine has joined in 1994). Whether always these «combinations "- operations" work? Certainly, no. And how much means both forces are spent "by «scripters" and weight "of «initiators", which one need to be paid all! What economics will be maintain such nonsense?! It not simply dead-end path, and celebration of nonsense in this or that locale, in this or that organization. Such substitution of all achievements of a CIVILIZATION «by barracks servitude» calls the protest of all world and practically of all social groups of the Ukrainian population. The social strength rises, which one appears not in meetings and outrages (which one so to some whom are necessary!!), and in such infinite passivity, that is a little more and «the base cultural phenomena » will begin to degrade, and we become the witnesses of destruction «of a labour of millenaries» of our people in a favour «intellectual lazy persons» (and in general lezy persons) this or that managing grouping.

Therefore today actively working businessman abusing taxes and polyhabit spasms of all shades, makes more for the actual future of Ukraine and all Commonwealth, than whole scientific collectives of research economic institutes. By the way, it appears and in a level of the wage of the science officers (economics difficultly to deceive), which one are salvaged frequently in joint writing of the articles with the chief of business and in rendering of other services, similar on the contents, to the people having means, that it is impossible to consider as the solution of problems of financing and in general by any solution of collecting problems. It would be desirable, having enclosed an eye (colleague all the same), all this to attribute(relate) to search of paths of steady development. And to search for these paths it is really necessary more actively, since the situation with external duties of Ukraine can alarm everyone, who is familiar with this problem.

In 1998 the doctor Ulrich Tissen and doctor Lursc Hoffman, members of German group of the advisers on Economic Reforms of Ukraine, in section « Principles of the debt strategy of Ukraine » in the monography « Ukraine on Cross (the Lessons of international experience of economic reforms) » (New-York- Berlin-Kiev, 1998) wrote, that in 2004 the external national debt of Ukraine will make 45,1 % from a runway, and on their calculations in 1995 the external national debt made 28,1 % from a runway and even till 1998 (up to 22,5 % from a runway) was reduced(descended). It is necessary to ask representatives of Government of Ukraine - were mistaken whether or not economists Germanium? Apparently, not so, that is visible from a collocation of information from enough contradictory official information [3,4,5,6,7]. Also pay on itself attention such assumptions, which one were made By German group of the Advisers on Economic Reforms in Ukraine, at a solving:

- The not-paid credits obtained by a management(manual) from National Bank, the cost has compounded which one on the end of 1997 5,7 mlrd. grvn., will not be maintained, therefore it is not envisioned neither percentage payments, nor returning of a capital amount;
- A private sector of Ukraine (legal and the natural persons) will not do(make) the loans in the foreign markets; thus, the external duty actuates only obligations of public sector;
- As a result of re-structuring the debt in 1998 of payment on percents and capital amount of the debt for 1998 and the 1999 are postponed till 2000-2004 years (!!).

To comment on these assumptions made on the basis of steep comprehension of specificity of credit and financial regulation in Ukraine, already there is no sense. All of us perceives a situation. And for us calls(causes) respect a correctness of the German experts, which one in 1998 wrote: « our forecast of economic growth(increase) probably will show too pessimistic; however it is necessary to take into account sluggish promoting of reforms ». We spoke about it on International scientific conference in Foros-Yalta (Autonomous Republic of Crimea) in 1999 to Prof. Roland Ajzen, Prof. dr Dter Billu, inviting them to share in a theoretical-methodological seminar « Problems of overcoming of system crises » (in the Internet www.chat.ru/-iescr), and also international economist, Mrs. Fellisitas Mellers, probably, one of the activest members of German group of the advisers on Economic Reforms in Ukraine, when acquainted in November, 1999 with last mining of a German consultative group on economics at Government of Ukraine « Nearest 1000 days: measures of an economic policy for Ukraine ». By the way, then we were completely agree with the experts Germanium in following: « It is possible to draw a conclusion, that the path, which one till now was made By Ukraine, was error. It cannot to result in the expected purpose - to make an agriculture competitive in the international markets and to give a jerk to general(common) economic growth(increase). » It will be possible to compare (page 62), and also - « the Future without reforms hardly to present epoch, as without cardinal reforms the situation in the Ukrainian economics will be worsened only. » (Page 60).

But, how reforms all the same advance? What is it necessary to make for achievement of actual positive outcomes?

On the first problem we with you the answer in general(common) know and to stay on it in the given article we shall not be. It is better than us have made and more will make the members of Academy of economic sciences of Ukraine: the professor, doctor of economic sciences Zinovij Vladimirovich Gucajlayak, professor, doctor of economic sciences Stanislav Grigorjevich Galuza, professor, doctor of economic sciences George Semenovich Volynsky, professor, doctor of economic sciences Boris Vladimirovich Burkinsky, professor, cand.econ.sciences Ivan Nicolaevich Bruhovetsky, professor, doctor of economical sciences Demjan Petrovich Boginja. Therefore we recommended their April 28, 2004 on nomonates of the American Biographic Institute from behalf of Institute of economical and socio-cultural researches (IESCR), Azov separation of Academy of economic sciences and enterprise activity (Azov Department of AES&E) and Civil international Committee (CIC).

With our party for us would like to give version of the answer on the second problem, that would allow all of us to begin a subject controversy about paths of acceleration actual processes of reform. Our experience of concrete economic researches on firms and in organizations of Donetsk and Zaporozhye areas since 1989 for 2001 displays what to actuate economics and to raise the fallen standard of life of the majority of groups of intelligency basically not so is difficult(complex), as the government officials convince us. Even from last debate in 2004 of the professional economists of representatives « of our Ukraine » with representatives of a Cabinet of the Ministers of Ukraine the artificial character of many financial problems in the wage is seen. And we do not find the country of a world attempted to come out of of crisis in second half XX of century, reducing a layer of actual intellectual(intelligent) elite, or creating conditions for its degradation. We in 1999 by actual calculations have shown a capability of creation of the sufficient budgets practically in all States of Commonwealth (CIS). The correctness of these calculations was confirmed by the experts of Autonomous Republic of Crimea (1998-2003), on the general(common) year convention of Academy of economic sciences of Ukraine per 1999 and scientific advices on protection of doctoral theses on economic sciences in the Russian Federation (Moscow, 2000), and per 2001 with our conclusions(injections) many economists of Poland have agreed also. By them in the accumulator cell « Eastern Europe by a face to integration and globalization » (Warsaw, 2001) was published the article « To european integration by creation of the sufficient budgets: the memories of the Outstanding Economist of America and Russia, Winner of the Nobel Premium of Wasil Wasiljevich Leontjeff», in which one were adduced outcomes of calculations of receipts(entries) in the budget from the tax rates, offered us: for the Russian Federation (135,0 - 180, 0 millrd. US dollars), for Ukraine (35-45 millrd. US dollars), for Republic Belarus (3,6-5,0 millrd. US dollars), for Republic of Kazakhstan (8,6-11,0 millrd. US dollars), for Republic of Azerbaijan (1,5-1,8 millrd. US dollars), for Republic of Georgia (1,3 -1,6 millrd. US dollars), for Republic Armenia (0,9-1,2 millrd. US dollars), for Lithuania (1,3-1,6 millrd US dollars), for Latvia (1,3-1,6 millrd. US dollars), for Estonia (0,6-0,9 millrd US dollars), for Moldova (1,1-1,4 millrd US dollars).

All executed(made) calculations on an offered technique of the taxation completely will be agreed the guidelines of a German consultative group on economic problems at Government of Ukraine from November 1999 in section «Creation of able-bodied enterprise sector » (page 8-19). Certainly, we send for limits of national boundaries of Ukraine and have executed calculations under the taxation and for a number(series) of the states of Commonwealth (CIS), but you see is apparent, that the stagnation in economic development, and furthermore falling of economics in these states by the most direct image negatively has an effect for economics of Ukraine, taking into account the earlier usual integration communications(connections). Therefore and all guidelines on environmental sanitation of enterprise sector it is expedient to consider with engaging to discussion of the experts of all these states. They, by the way, with large concern fall into to the concrete proposals and initiatives. So, for example, Treasury of Republic of Kazakhstan of October 10, 2002. (DDK-1-1/12055) wrote to the President - chairman of the Azov Department of Academy of economic sciences and enterprise activity, that «expresss thanks for the proposal on creation of analytical group including of members of scientific Advice of the Azov Department of Academy of economic sciences both enterprise activity and scientific Advice of Institute of economical and socio-cultural researches for development(manufacture) of the guidelines. ... Thus, the problematic problems lifted by you, fall in a circle of problems of process of formation of Unified economic space ... » (Vice-minister N.Rahmetov). It also determines our tendency to broad scope at the economic analysis of national economic complexes on areal of Commonwealth (CIS).

And it is possible to formulate ports of reference of the modern guidelines on creation of enterprise sector, our way to judgement, as follows:

1. Increase of a transparency in activity of the state and information contents of market prices by assistance to development of a competitiveness in the separate markets (quantity of the subjects of a supply and demand ensuring competitive interaction) and an exposure of abusing by the market;
2. Improvement of organization of control of the state corporate rights, and also increase of objectivity of public control behind its implementation;
3. Perfecting privatization processes, and is more valid, reallocation of the realized responsibility;
4. Creation of institutes ensuring operation of the markets;
5. Creation of market conditions, which one will boost creation of firms and corporations, and also liquidation of regulation counteracting this process;
6. Inventory of straight lines both indirect grants and grants granted by the state (including tax privileges, "«soft" credits, state warranties of all kinds(views), preliminary services and deliveries of capital goods on the part of the state), publication of outcomes and verification of compliance above consequences of usage of these means;
7. To start with a principle of profitability at implementation of crediting of representatives of small business, and also from the objective data about indispensable labour costs (implementation in practice of the Law of PRESERVATION of a LABOUR) for production by that either diverse production or fulfilment of those or diverse kinds(views) of services.

Just, for fulfilment of the guidelines on last point we shall try to result in the given article methodical maintenance, efficiency which one we shall show on an example. You will not find neither in the domestic literature, nor in the literature of Western Europe and America of the practical guidelines permitting to conduct the comparative analysis of manpowers at the stage of the order, i.e. at the stage of origin of idea of production of those or diverse goods or rendering of this or that service. The researches started in 1963 and proceeded in Institute of economical and socio-cultural researches in 1989, allow these calculations to execute for any part of the machine and for any gear. And as base for mining a technique of a rating of labour costs at manufacturing of model complete sets have served 1420 technological - rate-fixing of cards studied on two mechanical engineering and two metallurgical plants of Ukraine. Twice greater volume of rate-fixing cards was parsed for a conclusion(injection) of the formulas determining relation of draft-quality weight of bar from fair weight.

After thousand executed(made) calculations, the analytical formula has gained a following kind(view):

$$G_{3ar} = G * [1 + a * (2G - 1) * (E + 10)]^{-0,052}, \{relation\ 1\}$$

Where:

G_{bar} - draft-quality weight of bar, kg.;

G - Fair (after all process.) weight of a part, kg.;

a - Factor marks of a material and ways of manufacturing of bar component for:

* Alloys cast in single sand-clay (loamy) of the forms:

Castings from cast iron a = 0,009

Castings from steel a = 0,015

Castings from colour alloys a = 0,025

* Alloys cast in the constant forms, in the forms on sucelted, burned out and flowing out models:

Castings from cast iron a = 0,004

- Castings from steel a = 0,008
- Castings from colour alloys a = 0,014
- * Bars from a qualitative rolled metal bar a = 0,020
- * Forged bars a = 0,015
- * Warm stamped bars a = 0,004
- * Welded bars a = 0,002

E - Group of complexity of a part on the qualifier of complexity of parts and bars (see table 1).

Table 1

CLASSIFICATION TAGS of GROUPS of COMPLEXITY of PARTS And BARS

The main tags of complexity of parts, bars	Group of complexity					
	1	2	3	4	5	6
	3	4	5	6	7	8
The configuration of surfaces of parts from: - castings, welded bars and plastic	Flat, cylindrical, hemispherical. Outside atop smooth. The shank bores miss	Flat, cylindrical, hemispherical, open box-shaped share, outside atop straight-line(rectilinear) and curvilinear from a crossbar, sides, bosses, holes, recesses, shank bores with straight-line by surfaces	Open box-shaped, The spherical, cylindrical form(shape), outside surfaces straight-line(rectilinear), curvilinear with crossbars, bosses, ledges and recesses. Shank bores basically with straight-line(rectilinear) surfaces	Open and closed box-shaped, cylindrical and spherical form(shape), outside of a surface straight-line and curvilinear. Shank bores of mean complexity c by straight-line(rectilinear) and curvilinear surfaces	The closed box-shaped, cylindrical, spherical or combined form(shape). Outside surfaces straight-line(rectilinear) and curvilinear with adjoining nipples, flanges and crossbars, ledges, recesses. Shank bores of the composite configuration with curvilinear surfaces, with availability tape and ring channels	<i>Closed, box-shaped or combined form(shape). The outside surfaces will be derivated by interface of straight-line(rectilinear) and curvilinear surfaces to transient thin crossbars, ledges and hple, shank bores of the composite configuration with curvilinear by surfaces, with availability tape and ring channels arranged in 2 and more of circles.</i>
Forgings, extrusions and bars on onboard hire	Flat, cylindrical, with uniform	Flat, cylindrical, with insignificant	Flat, cylindrical, полусферыческие	Flat, cylindrical, hemispher	Flat, hemispherical, cylindrical,	<i>Flat, hemispherical, cylindrical, spherical,</i>

	cross section without holes	tly varying cross-section, without holes	with a small amount of variable cross-sections with one or two holes	ical. With a plenty of variables cross-sections 3-5 by holes	spherical, hollow with a plenty of variable cross-sections from 6-10 by holes	<i>hollow with a plenty of variable cross-sections more 10 by holes</i>
Weight, kg for parts on: Carbon Steels and gray iron	Up to 100	101-1000	1001-4000	4001-8000	8001-25000	<i>More than 25000</i>
Low alloyed steels and high-strength cast iron	50	50-200	200-500	500-2000	2000-5000	<i>More 5000</i>
Alloy steels and annealed cast iron	10	10-20	20-50	50-100	100-300	<i>More 300</i>
Heavily alloyed steels and Heavily alloyed cast iron	5	5-10	10-20	20-50	50-100	<i>above 100</i>
Aluminum alloys	0,8	From 0,8-4,0 on	4,0-8,5	From 8,5-22 on	From 22-30 on	<i>above 30</i>
Alloys on the copper basis	2	From 2-5 on	From 5-10 on	From 10-25 on	From 25-50 on	<i>above 50</i>
Magnesium and titanium alloys	0,5	From 0,5-2,5 on	From 2,5-4,5 on	From 4,5-12 on	From 12-20 on	<i>Above 20</i>
Tree and plastic	0,1	From 0,1-0,3 on	From 0,3-1,0 on	From 1-5 on	From 5-10 on	<i>above 10</i>
Maximum overall dimension, mm for parts from: carbon, low allow steels both grey and high-	Up to 1000	1001-2000	2001-5000	5001-10000	10001-20000	<i>More 20000</i>

strength cast irons						
Doped both heavily alloyed steels and cast irons, tree	Up to 600	601-1000	1001-1500	1501-2500	2501-4000	<i>More 4000</i>
Aluminum alloys and slices	Up to 500	501-800	801-1200	1201-2000	2001-3000	<i>more 3000</i>
<i>Alloys on the copper basis and annealed cast irons</i>	<i>Up to 150</i>	<i>151-250</i>	<i>251-350</i>	<i>351-450</i>	<i>451-550</i>	<i>more 550</i>
Magnesium and titanium alloys	Up to 350	351-400	401-550	551-700	751-1000	More than 1000
Width of the main walls, mm For parts from: castings from welded bars	More than 50	50-30	30-20	20-10	10-3	Little 3
Forgings and die works	More than 200	200-150	150-100	100-50	50-20	Little 20
Tree	More 120	120-80	80-50	50-30	30-10	Little 10
Forgings	Without ledges and recesses	Altitude up to 20 mm Up to 3 det.	Altitude to 50 mm Up to 3 det.	Altitude more 50 mm Up to 3 det.	Altitude more 50 mm Up to 10 det	Altitude more 50 mm It is from above 10 det.
Plastic	More 20	20-15	15-10	10-6	6-2	Little 2
The characteristic of ledges, edges(ribs), recesses, holes. For parts from: castings	Altitude up to 30 mm to 5 det.	Altitude up to 75 mm to 5 det.	Altitude more then 75 mm Up to 5 det.	Altitude more then 75 mm Up to 10 det.	Altitude more then 75 mm Up to 15 det.	Altitude more then 75 mm It is from above 15 pieces
The characteristic of ledges, edges(ribs), recesses, holes. For	Without ledges and recesses	Formed spetiality pieces and up to 3 det.	Formed spetiality pieces and up to 5 det.	Formed spetiality pieces and up to 10 det.	Formed spetiality pieces and up to 15 det.	Formed spetiality pieces and It is from above 15 pieces.

parts from: welded bars						
The characteristic of ledges, edges(ribs), recesses, holes. For parts from: Plastic	Without ledges and recesses	Altitude up to 10 mm, up to 5 det.	Altitude more then 10 mm Up to 5 det.	Altitude more then 10 mm Up to 10 det.	Altitude more then 10 mm Up to 20 det.	Altitude more then 10 mm and It is from above 20 pieces.
The characteristic of ledges, edges(ribs), recesses, holes. For parts from: Tree	Without ledges and recesses	Altitude up to 50 mm, up to 5 det.	Altitude up to 200 mm, up to 5 det.	Altitude more then 200 mm, Up to 5 det.	Altitude more then 200 mm, Up to 10 det.	Altitude more then 200 mm and It is from above 10 pieces.
The character of machining job and availability of the requirements on a machined surface on Gov.Norm 2789-7	Without processing or is processed (treated) up to 10 % of a surface (drilling, turning, recessing, milling cuttering) Rz = 320 + 10 on Ra = 100-2,5 on	It is processed (treated) up to 15 % of a surface (drilling, turning, recessing, milling cuttering) Rz = from 10 + 5 on Ra = from 2,5 +1,25 on	It is processed (treated) up to 20 % of a surface (drilling, recessing, milling cuttering) Rz = from 5 + 2,5 on Ra = from 1,25 + 0,63 on	It is processed (treated) up to 25 % of a surface (drilling, recessing, milling cuttering, the operational development) Rz = from 2,5 + 0,63 on Ra = from 0,63 +0,16 on	It is processed (treated) up to 30 % of a surface (drilling, recessing, the operational development) Rz = from 0,63 + 0,32 on Ra = from 0,16 + 0,08 5 on	It is processed (treated) up to 30 % of a surface (drilling, deployment recessing, the operational development, polishing) Rz = from 0,63 + 0,32 on Ra = from 0,16 + 0,08 on
Group as required parts	Part of a general purpose	Part of a general purpose	Part low responsible of assignment	Part responsible of assignment	Part high responsible of assignment	Part spetiality high responsible of assignment
The special specifications	Are not presented	Are presented on an elemental composition	Are presented on an elemental composition, mechanical properties. Density at	Are presented on an elemental composition, mechanical and physical properties.	Are presented on an elemental composition, mechanical and physical properties,	Are presented on an elemental composition, mechanical and physical properties,

			an operating pressure up to Ex10 PAVKL 5 2 (3kgs/sm)	Density at an operating pressure up to 12x10 PA 5 2 (12 kgs/sm)	metallo-graphic frame. Density at an operating pressure up to 30x10 PA 5 2 (30 kgs/sm)	metallo-graphic frame, contented gas. Density at an operating pressure up to 30x10 PA 5 2 (30 kgs/sm)
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The note:

The order of definition of complexity of parts and bars. The group of complexity of a part is determined by the greatest quantity of tags conterminous to tags reduced in table 1.

Thus quantity of conterminous tags on received group of complexity should be not less than three. The classification implements with usage of a way of a grouping of tags by their series reference, since higher groups of complexity in the party lower, and stay on group of complexity in which one three conditionally conterminous tags are reached.

Example.

Group of complexity on table ... 1 2 3 4 5 6

The staff - in of tags is difficult(complex), conterminous to tab. 1 1 3 1 1 1,

In spite of the fact that in the third group of complexity of three tags coincide with tabulated, is used ways of a grouping: the one tag from the sixth group is transferred in fifth, in which one after that becomes two tags (with allowance for one tag, which one was in a fifth to group of complexity); these two tags are transferred in the fourth group and are summarized one tag available in the fourth group.

Quantity of tags in the fourth group has reached(achieved) three, the fourth group of complexity therefore is finally received. In a case when the tabulated tags for several groups of complexity coincide, this tag is received on higher group.

* * *

Thus we define draft-quality weight of bar, but it is important to us to know labour input of manufacturing of bar, which one we is identifiable on following relation:

$$T \text{ bar} = Mm * [G \text{ bar} * (0,96 + 0,04 E^{1,7})] * (0,9 + 0,1 E^{1,7}) * (1 + 0,03 * L) \{ \text{relation } 2 \}$$

Where: T bar - labour input of manufacturing of bar, man-hours;

G bar - draft-quality weight of bar, kg.;

Mm - factor of a kind(view) of bar and marks of a material, equal for:

Steel castings of all marks - 0,32

Gray iron castings - 0,20

Castings from ductile and high-strength cast iron - 0,26

Castings from alloys on the copper basis - 0,26

Castings from aluminum alloys - 0,28
 Forged bars - 0,15
 Formed bars - 0,12
 Welded bars - 0,083

E - Group of complexity of bar (look table 1)

L - Quantity of addition agents - for example for AL 9-4 equals 13.

We also develop relation for definition of labour input of machining job, galvanizing and heat treatment of parts:

$$T = K_v * [G^{0,8} * (0,94 + 0,06 * E^{1,7})]^{0,55} * (0,9 + 0,1 * E^{1,7}) \text{ \{relation 3\}}$$

Where: T - labour input of machining job, men-hours;

G - Weight of a part after mechanical, galvanic, heat treatments, kg.;

E - Group of complexity of a part (table 1);

K_v - factor of a kind(view) of processing depending on marks of a material and structure of a manufacturing process (see table 2).

Table 2

VALUE of a FACTOR K_v

Material of a part	Quantity of operations executed(designed) on one machine tool with one installation							Galvanizing	Heat treatment
	One	Two	Three	Four	Five	Six	Seven		
Sulfur cast iron	0,125	0,165	0,200	0,230	0,225	0,250	0,270	0,035	0,035
Spetial cast iron	0,155	0,200	0,240	0,275	0,310	0,340	0,370	0,035	0,035
Brass, bronze	0,170	0,220	0,265	0,305	0,340	0,370	0,400	0,035	0,025
Brass, stainless steel	0,220	0,275	0,325	0,370	0,410	0,445	0,475	0,045	0,035
Aluminum alloys	0,200	0,240	0,275	0,305	0,330	0,350	0,370	0,035	0,025
Cast carbon steel	0,155	0,170	0,200	0,225	0,250	0,275	0,300	0,035	0,025
Cast alloy steel	0,200	0,220	0,245	0,270	0,300	0,335	0,375	0,035	0,025
Hire, forging from a carbon steel	0,140	0,155	0,175	0,200	0,230	0,235	0,275	0,035	0,025
Hire,	0,170	0,220	0,265	0,305	0,340	0,370	0,400	0,035	0,035

forging from alloy steel									
Gum	0,220	0,245	0,275	0,300	0,330	0,360	0,380	--	--
Plastic	0,245	0,290	0,330	0,365	0,390	0,415	0,440	--	--

For an example we shall show a capability to evaluate actual labour costs under the different "know-how" at the stage of a reception of the order. So, for example, brake disk of flying shears from steel of weight 195 kgs. (see. Picture 1) can be made on three technological versions:

1. Method of casting of a pulley with the subsequent machining job (see a Fig. 1 a);
2. Сварно-cast version - shell from a seamless drawn pipe, and hub with спицевым by the disk - cast (see a Fig. 1 b);
3. Welded version - shell from a seamless drawn pipe, formed спицевой the disk(disc) and forged (or горяче- formed) hub (see. Picture 1 v).

Pursuant to the qualifier of complexity of parts and bars the brake disk falls into to the FOURTH group of complexity, therefore draft-quality weight of a casting block for the first technological version will be defined(determined) (relation 1) under the following formula:

$$G_{bar} = G * [1 + a * (2 * G^{-0,05 2} - 1) * (E + 10)]$$

a - For casting from steel will be peer 0,015

$$G_{bar} = 195 * [1 + 0,015 * (2 * 195^{-0,05 2} - 1) * (4 + 10)] = 235,5 \text{ kgs.}$$

The labour input of obtaining of cast steel bar will be defined(determined) on relation (relation 2), which one will look like the following:

$$T_{bar} = M_m * [G_{bar} * (0,96 + 0,04 * E^{1,7 0,55})]^{1,7} * (0,9 + 0,1 * E^{1,7})$$

M_m - for a steel casting will make 0,32; Therefore:

$$T_{bar} = 0,32 * [235,5 * (0,96 + 0,04 * 4^{1,7 0,55})]^{1,7} * (0,9 + 0,1 * 4^{1,7}) = 15,05 \text{ men.-hours}$$

At the cost of basis materials 300 monetary units / ton, consumptions on first stage without wages and charges in social funds will make 700 monetary units / ton;

The cost of one man-hour is received at a rate of 5 monetary units, therefore cost price of one bar will make:

$$0,2355 * 300 + 0,2355 * 700 + 15,05 * 5 = 310,75 \text{ monetary units}$$

The following fabrication stages of a brake disk on the first technological version are connected the mechanical and heat treatment.

The manufacturing of a brake disk of a casting block will consist in an engineering workshop from following operations (see Picture 1 a):

- Processing on a lathe: surfaces “A”(«A»); and surface “B”(«B»);
- Processing on a boring-and-turning mill: surfaces “D”(«Д»); turning of a hole “T”(«И»);
- Processing on a lathe: surfaces “C”(«C»), surface “E”(«E»), grinding – “A”(«A»);
- Manufacturing of a key on a slotter;
- Heat treatment of a surface “A”(«A»).

The labour input of manufacturing of a brake disk in an engineering workshop will be defined(determined) (relation 3) under the following formula:

$$T = K_v * [G^{0,8} * (0,94 + 0,06 * E^{1,7})] * (0,9 + 0,1 * E^{0,55})^{1,7}$$

K_v - factor of a kind(view) of processing dependent from marks of a material and features of a manufacturing process. In our case K_v will be defined(determined), recognizing that (see table 2) on two machine tools is executed till two operations, on one machine tool three operations are executed and on one machine tool one operation is executed(designed) and the heat treatment of a braking surface implements:

$$K_v = 2 * 0,170 + 0,200 + 0,155 = 0,725 = 0,720$$

Knowing K_v , we can define(determine) and labour input «T»:

$$T = 0,720 * [195^{0,8} * (0,94 + 0,06 * 4^{1,7})] * (0,9 + 0,1 * 4^{0,55})^{1,7} = 16,7 \text{ man.-hours}$$

Provided that the superimposed shop consumptions make 850 monetary units / ton, and the cost of one man-hour with charges in social funds makes 5 monetary units / ton, the cost price of mechanical and thermal process will make:

$$850 * 0,195 + 16,7 * 5 = 249,25 \text{ monetary units}$$

The manufacturing of a brake disk on the first version will do without to the manufacturer in the sum, equal general(common) cost price of production of a part, which one will make:

$$310,75 + 249,25 = 560,00 \text{ monetary units}$$

Let's store this total sum of costs on the FIRST VERSION (!).

On the second version it is necessary to us to define(determine) draft-quality weight of a cast hub with spoke's disk (see Picture 1 b). Pursuant to the qualifier of complexity of parts and bars the cast hub with by the spoke's disk falls into to the THIRD group of complexity.

For obtaining a cast hub with spoke's disk of weight 65 kgs. (Net weight) the bar is indispensable, weight by which one will be determined under the formula:

$$G_{\text{bar sp. d}} = G_{\text{sp.d}} * [1 + a * (2 * G_{\text{sp.d}}^{-0,05} - 1) * (E^2 + 10)],$$

a - For castings from steel equals 0, 015; therefore draft-quality weight of a cast hub with spoke's disk will have of weight:

$$G \text{ bar sp. d} = 65 * [1 + 0, 015 * (2 * 65^{-0,05} - 1) * (3^2 + 10)] = 76, 5 \text{ kgs.}$$

The labour input of manufacturing of a cast hub with spoke's disk will be determined on following relation:

$$T \text{ bar sp. d} = 0,32 * [76, 5 * (0, 96 + 0, 04 * 3^{1,7})] * (0, 9 + 0, 1 * 3^{0,55}) = 5, 95 \text{ man-hours}$$

At the cost of basis materials adopted for 300 monetary units / ton, overhead expense in foundry shop at a level 700 monetary units./ ton and cost of one man-hour with charges in social funds at a level 5 monetary units, the cost price of a cast hub will make:

$$0, 0765 * (300 + 700) + 5, 95 * 5 = 106, 25 \text{ monetary units}$$

Following step at fulfilment of calculations of costs on the second version is the definition of costs on manufacturing of a shell from a seamless drawn pipe. At first, pursuant to the qualifier of complexity of parts and bars the shell from a tube concerns to the SECOND group of complexity. At a - equal 0,002 for manufacturing of a shell is powerful 130 kgs. The bar is indispensable, of weight by which one will be determined under the following formula:

$$G \text{ bar tub} = 130 * [1 + 0, 002 (2 * 130^{0,05} - 1) * (2^2 + 10)] = 132 \text{ kgs.}$$

The labour input will make sections of bar from a seamless drawn pipe:

$$T \text{ tub.bar} = 0,140 * [132^{0,8} * (0, 94 + 0, 06 * 2^{1,7})] * (0, 9 + 0, 1 * 2^{0,55}) = 1,65 \text{ man-hours}$$

Labour input of machining job of a hub with spoke's disk (the removal of a bevel under welding) will make:

$$T \text{ hub} = 0,140 * [65^{0,8} * (0, 94 + 0, 06 * 3^{1,7})] * (0, 9 + 0, 1 * 3^{0,55}) = 1,58 \text{ man-hours}$$

The labour input of welding of a shell and hub with spoke's disk will make:

$$T \text{ bar} = 0,083 * [195 * (0, 94 + 0, 06 * 4^{1,7})] * (0, 9 + 0, 1 * 4^{0,55}) = 3, 74 \text{ man-hours}$$

Processing of a welding-casting block (see. The Fig. 1 b) will consist of following operations:

- On a lathe: surfaces "D" («Д»); turning of a hole "K" («К»); grinding "A" («А»);
- On a slotter - manufacturing of a key;
- On turning or boring-and-turning mill - surfacing "E" («Е»);
- Heat treatment of a braking surface.

Therefore K_v the sum of following values will be determined, as:

$$K_v = 0,170 + 0,155 + 0,155 + 0,025 = 0,505$$

Knowing K_v , we can determine labour input mechanical and heat treatment «T»:

$$T = 0,505 * \left[195^{0,8} * (0,94 + 0,06 * 4^{1,7}) \right]^{0,55} * (0,9 + 0,1 * 4^{1,7}) = 12,33 \text{ man-hours}$$

Provided that the superimposed shop consumptions make 850 monetary units / ton, and the cost of one man-hour with charges in social funds makes 5 monetary units / ton and cost of a seamless drawn pipe of 1450 monetary units / ton, cost price of welding, of mechanical and thermal process. will make:

$$0,132 * 1450 + 850 * 0,195 + (1,65 + 1,58 + 3,74 + 12,33) * 5 = 453,65 \text{ monetary units}$$

The manufacturing of a brake disk on the second version will do without to the manufacturer in the sum, equal general(common) cost price of production of a part, which one will make:

$$453,65 + 106,25 = 559,90 \text{ monetary units}$$

Let's store this total sum of costs on the SECOND VERSION (!).

On the THIRD version it is necessary to us to determine draft-quality weight of a hot formed hub (see: a Fig. 1 v). Pursuant to the qualifier of complexity of parts and bars the cast hub of weight 35 kgs concerns to the SECOND group of complexity (see tabl. 1).

For obtaining a hot formed hub of weight 35 kgs. (Net weight) the bar is indispensable, weight by which one will be determined under the formula:

$$G_{\text{bar hub.}} = G_{\text{hub.d.}} * \left[1 + a * (2 * G_{\text{hub.d.}}^{-0,05} - 1) * (E + 10) \right],$$

a - For extrusions from steel equals 0,004; therefore draft-quality weight of a hot formed hub will have of weight:

$$G_{\text{bar hub.}} = 35 * \left[1 + 0,004 * (2 * 35^{-0,05} - 1) * (3^2 + 10) \right] = 36,8 \text{ kgs.}$$

The labour input of manufacturing of a hot formed hub (factor of a kind of bar of $M_m = 0,120$) will be determined on following relation:

$$T_{\text{bar hub.}} = 0,120 * \left[36,8 * (0,96 + 0,04 * 3^{1,7}) \right]^{0,55} * (0,9 + 0,1 * 3^{1,7}) = 1,50 \text{ man-hours}$$

Following step at fulfilment of calculations of costs on the third version is the definition of costs on manufacturing formed спицевого of the disk(disc) of weight 30 kgs. At first, pursuant to the qualifier of complexity of parts and bars formed спицевой the disk(disc) falls into to the THIRD group of complexity (see table 1). At and - equal 0,004 for a die work draft-quality weight formed спицевого of the disk(disc) will be defined(determined) under the following formula:

$$-0,05 \quad 2$$

$$G \text{ bar d.} = 30 * [1 + 0,004 (2 * 30 - 1) * (3 + 10)] = 31,6 \text{ kgs.}$$

Labour input of obtaining of formed bar of the spoke's disk ($M_m = 0,55$) will make:

$$T \text{ bar d.} = 0,120 * [31,6 * (0,96 + 0,04 * 2)] * (0,9 + 0,1 * 3) = 1,40 \text{ man-hours}$$

Draft-quality weight of bar of a shell - 132 kgs.

Labour input of obtaining of bar of a shell - 1,65 man-hours.

The labour input of removal of bevels under welding in the spoke's disk (at $K_v = 0,155$) will make:

$$T = 0,155 * [30 * (0,94 + 0,06 * 4)] * (0,9 + 0,1 * 3) = 1,25 \text{ man-hours}$$

The labour input of assembly of a shell, of the spoke's disk and hub will make:

$$T = 0,083 * [195 * (0,94 + 0,06 * 4)] * (0,9 + 0,1 * 4) = 3,74 \text{ man-hours}$$

Manufacturing of a brake disk from welded bar (see: the Fig. 1 v) in mechanical separation will consist of following operations:

- On a lathe: surfacing "D" («Д»); turning of a hole "I" («И»); grinding of a surface "A" («А»);
- On a slotter - manufacturing of a key;
- On turning or revolving machine tools - surfacing "E" («Е»);
- Heat treatment of a surface "A" («А»).

Therefore $K_v = 0,175 + 0,140 + 0,140 + 0,025 = 0,480$

$$T = 0,480 * [195 * (0,94 + 0,06 * 4)] * (0,9 + 0,1 * 4) = 12,17 \text{ man-hours}$$

At the cost of a tubular billet 1450 monetary units / ton, bar - 1350 monetary units / ton and sheet hire 1400 monetary units / ton, overhead expense in shop at a level 850 monetary units / ton. And cost of one man-hour with charges in social funds at a level 5 monetary units., the cost price of a brake disk will make:

$$0,132 * 1450 + 0,0368 * 1350 + 0,0316 * 1400 + 0,195 * 850 + (1,5 + 1,4 + 1,65 + 1,25 + 3,74 + 12,17) * 5 = 559,62 \text{ monetary units.}$$

Let's store this total sum of costs on the THIRD VERSION (!).

And now we compare costs on all three VERSIONS

560,00 - First version; 559,90 - Second version; 559,62 - Third version

Where and when was it possible to achieve such concurrence(coincedence) of general costs on all three versions of calculations of alternate production processes of production?! And you see it is reached from first time without updating factors or industrial datas (!).

Outcome even for us unexpected what to speak about all critics and experts, which one everyone criticize the statistical datas, aiming to achieve impossible accuracy at fixation of the social and economic characteristics.

Only by actual existence of the law of PRESERVATION of a LABOUR it is possible to explain a capability of realization of such analytical calculations.

To such outcome we went long. In 1963 the first relations permitting to execute reduction of different kinds(views) of labour activity in model production were obtained. But then the law of PRESERVATION of a LABOUR was not still formulated by us, and there was a steep feel, that the labour should not disappear (!).

It was necessary have made of thousand calculations for firms of ferrous metallurgy, heavy and transport engineering, and also for a food-processing industry and for a sea transport already finally to be convinced and to realize availability of the law of PRESERVATION of a LABOUR.

Only in 1997 in the report on General meeting of Department of economics NAS of Ukraine we were possible have given the first version of a Conservation law of a LABOUR, which one in 1999 was updated.

The formed objective - labour direction in an economic theory, outgoes from modern comprehension of a category of a labour, namely, that the LABOUR is practical implementation of a creative intention developed or realized, directional on a repletion of wants. This definition follows(outflows) from comprehension of material (physical) Thought, and consequently and Non-destroy of an intelligently - spiritual Labour, that in itself is one of BASIS of the laws of the Nature and human community. Therefore conservation law of a LABOUR states, that the total level living and materialized labour of an item, indispensable for manufacturing, (product) or rendering of service at a design and qualitative identity of an end-product (service) remains to a constant irrespective of not principled technological changes and modernizations of production (i.e. without change of the technological base).

$$T_i \text{ liv.} + T_i \text{ mat} = T_g \text{ liv.} + T_g \text{ mat.}$$

Where: $T_i \text{ liv.}$, $T_i \text{ mat.}$ — the consumptions accordingly living and materialized (past) LABOUR in i period of production, identical g to period through n number of years. The consumptions are adduced to a unit (1) of production or service.

$T_g \text{ liv.}$, $T_g \text{ mat.}$ - the consumptions accordingly living and materialized (past) LABOUR in g period of production the parsed periods can defend for decades. All consumptions are adduced to a unit (1) of production or service.

And today we leave on a new level of the proof and operational use of the law, open in Mariupol, of PRESERVATION of a LABOUR, when on its basis(fundamentals) we can give the concrete guidelines to branches of state regulation on the index's planning of development of small business, and the chiefs of small business we can show efficiency of that or diverse solution in the usual composite technical-organizational system of a national economic complex of Ukraine, Russia, countries of European Union and America. The tool has infrequent reliability and simplicity, which one allows even at a level of knowledge of a university course to make correct calculations and forecasts, perfecting the strategy of firms, companies, corporations. Even the common analysis of all events accompanying to mining of offered methodical toolkit brightly testifies to existence of the law NON-Destroy intelligently - spiritual of LABOUR (2002). Its usage will give practice of social control not less unexpected and impressive positive outcomes.

Specially, our methodical minings will be effective in the states with open market economy, since there aim substantially at a legislative level to consolidate the equal rights of all subjects of managing. Judge, if we in our example shall be set 10 % by a yield rate of production, the profit on all three alternate versions will make 60 monetary units.

But for us all internal motives important of all modern industrial trades held in alternate technologies at once are visible also. And not only important, but also degree of actual intellectualization of a labour.

So on the first version the profitability of a labour will make 37,8 %; on the second version - 47,5 %, and on the third version - 55,3%.

We really can lean this parameter(index) at implementation actual of index's planning of development of branches of a national economy, and also strategic of index's planning of development of small business.

But where the given approach will give the most essential outcome? Certainly, there where the actual economic growth(increase) is watched.

So, under the datas of the report prepared by Economic and social commission for Asia and Quiet ocean (ESCAPO), in 2002-2003 the economics of countries Asian - pacific of locale at middle-year a increment in 6 % developed with higher rates, than economics of other developing countries and world as a whole. And economics of China, increment of the gross internal product (runway) which one in 2001-2003 has reached almost 25 %, is the major factor of economic growth(increase) in this group of countries, as it all in the greater degree depends from internal region trade and internal demand (information of Headquarter of the United Nations).

The experts are impressed also with a increment of a runway in Indium being most economically developed country of Southern and SOUTHEAST Asia, which one has grown from 3 % in 2002 up to 7,5 % in 2003, and it is expected, that in 2004 it will be at a level 6 % (information of Headquarter of the United Nations).

The world does not get tired to be surprised to advance of economics of USA, which one has grown on 4.2 % during the first quarter 2004. At 5,5 % of annual growth(increase) its will double the size in 13 years. In USA even the housekeeping has increased seizure more than on 978,000 for last 7 months (George Bush «the Strong Economic Growth(increase) is prolonged in the First Quarter 2004 » www.whitehouse.gov). And you see a large role the strategic program on development of small business has played, which one was promulgated by January 20, 2003 in the annual reference(reversal) of the President of USA to a Nation.

All this has become possible because in all these countries forward manufacturing processes successfully take root and substantially intrusion of achievements of science and technology in production implements on the basis of constant intelligently - spiritual of growth(increase) of social layers and groups of the population participating in production process.

As displays the above-stated concrete calculation on three alternate technologies (from less accomplished(perfect) and with low level of intelligently labour up to more by modern, ensuring a high level of the qualitative characteristics), it is possible to expect economic growth(increase) at the expense of a raising the productivity of a living labour in separate branches on 25,7 - 16,4 % (second version gives growth on 25,7 % as contrasted to first, and third - 16,4 % in comparison with second), at target financing and straight lines the investments is possible to achieve growth of labour productivity even on 46,3 % (third version as contrasted to first). Apparently, that all this is possible only then, when the impartial assessment of executed and planned activities implements. But, if all this implements, the economic growth rate of USA can still be sped up, by achieving its(her) doubling not for 13 years, and for 10-8 years (the optimization of manpowers always was the powerful giving reasons factor).

Also at mastering with the chiefs of small business and managers of state introducing frames of the States of the members WTO by practice of usage designed by us of techniques of the comparative

economic analysis it is possible in 2004 to ensure general economic growth of world(global) economics not at a level 3,5 % (forecast of the United Nations), and at a level 4,0 - 4,5 %, as a minimum.

We, hope, that our proposals will interest the chiefs of business and State frames.

INSTEAD OF an EPILOGUE

We express sincere thanks to a managers of the New York Academy of Sciences, American Association of the Advancement Scientists, to publishing House «Who is Who» in USA, International Biographic Center in Cambridge, England, International Biographic Association BC in Cambridge, England, American Biographic Institute, Library of a Congress of USA, Library of a Polish Academy of sciences, Society of 1817 «Heritage» of the New York Academy of Sciences, members of Civil International Committee on preparation of a world(global) public opinion for realization of the First world-wide Congress of a Spiritual Unification in New York, and also all our colleagues in Europe and America for attitude(relation) to us and to our minings.

Your moral support has ensured a capability to us to acquaint You today with perspectives of practical usage open in 1997-1999 the law of PRESERVATION of a LABOUR and law, formulated in 2002, NON-Destroy it is intelligently - spiritual of a LABOUR. Being rest. on these intellectual(intelligent) achievements, we can today optimize the consumptions of restricted natural resources, reaching higher parameters(indexes) of efficiency.

Mariupol, Old Kremnes

4.05.2004

P.S.

Freedom, Wisdom, Unity - these three words determine today position our' with You of the contemporaries in this agony of a satanic host and destruction. As We all strongly want, that the WISDOM did not escape a Chiefs of the Great States, which one cannot repeat an error Caesar (Look Web-Page WWW.CIC-WSC.ORG in Document N 49).

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CAPTION INSCRIPTIONS

Figure of 1 Bar of a brake disk

A (a) - cast; B (б) - casting - welded; V (в)- welded

The manufacturing of a brake disk of a casting block will consist in an engineering workshop from following operations (see Picture 1 a):

- Processing on a lathe: surfaces “A”(«A»); and surface “B”(«B»);
- Processing on a boring-and-turning mill: surfaces “D”(«Д»); turning of a hole “I”(«И»);
- Processing on a lathe: surfaces “C”(«С»), surface “E”(«Е»), grinding – “A”(«A»);
- Manufacturing of a key on a slotter;
- Heat treatment of a surface “A”(«A»).

Processing of a welding-casting block (see. The Fig. 1 b) will consist of following operations:

- On a lathe: surfaces “D”(«Д»); turning of a hole “K”(«К»); grinding “A”(«A»);
- On a slotter - manufacturing of a key;
- On turning or boring-and-turning mill - surfacing “E”(«Е»);
- Heat treatment of a braking surface.

Manufacturing of a brake disk from welded bar (see: the Fig. 1 v) in mechanical separation will consist of following operations:

- On a lathe: surfacing “D”(«Д»); turning of a hole “I”(«И»); grinding of a surface “A”(«A»);
- On a slotter - manufacturing of a key;
- On turning or revolving machine tools - surfacing “E”(«Е»);
- Heat treatment of a surface “A”(«A»).

