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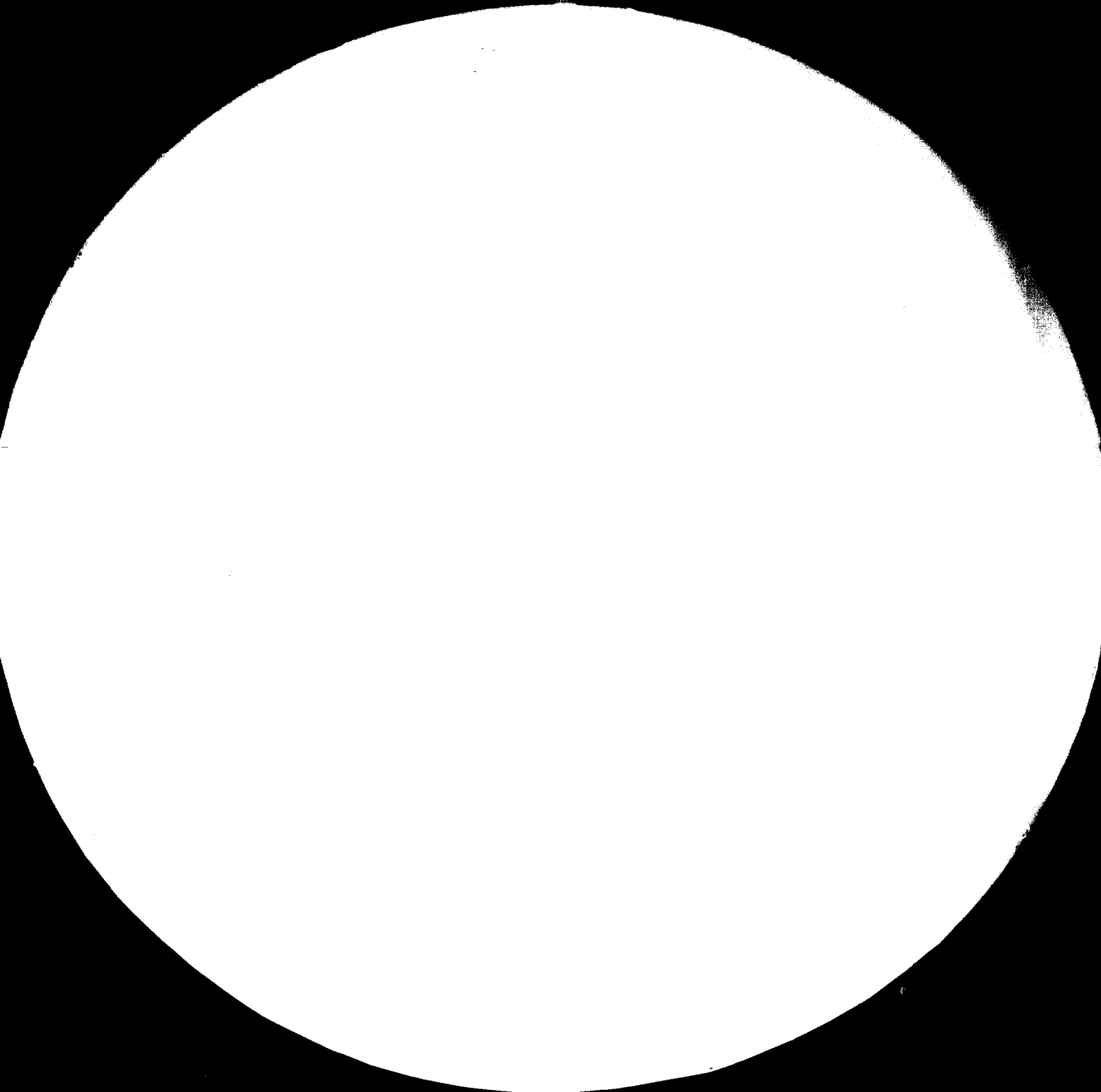
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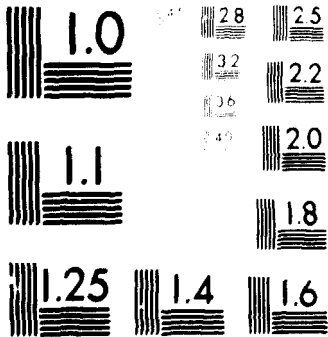
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NATIONAL BUREAU OF STANDARDS-1963-A

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DP/ID/SER.A/247
3 September 1980
English

DEVELOPMENT OF THE FURNITURE AND JOINERY INDUSTRIES
AND CREATION OF A CENTRE

DP/YUG/73/006

YUGOSLAVIA

Technical Report: National Furniture Design Competition*

Prepared for the Government of Yugoslavia by the
United Nations Industrial Development Organization,
acting as executing agency for the United Nations Development Programme

Based on the work of the Jury for the
National Furniture Design Competition Programme

United Nations Industrial Development Organization
Vienna

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80-43257

1. Introduction

The national design competition was suggested by the consultant, Mr. Tapiovara during his mission of 16 April to 16 May 1979 (under report no. DP/ID/SER.A/214).

This competition programme was published and announced under the title: General Yugoslav anonymous competition for design of solid wooden furniture and veneered furniture.

The report was prepared by UNIDO Secretariat based on the English translation of the prize competition invitation for Yugoslav designers presented originally in Serbo-Croatian.

2. Scope of the Design competition programme

- 2.1 Furniture lines for living areas
- 2.2 Occasional furniture

3. Participation

Candidates could apply for either item 2.1 or 2.2 or for both groups (2.1 and 2.2). Design companies, technical organization and individual designers possessing Yugoslavian citizenship.

4. Issue of "conditions for candidates applying for the design competition", by SIPAD IRC, OOUR Design and Architecture. Skenderpasina 31, Sarajevo.

5. Funds granted for the awards and purchasing of designs

- 5.1 Prize money awarded to individual furniture designs:
 - (a) award 150,000 Din.
 - (b) award 110,000 Din.
 - (c) award 80,000 Din.

Ten designs will be purchased at 20,000 Din each.

5.2 Prizes awarded for furniture sets

- (a) dining room set 50,000. Din
- (b) living room set 50,000. Din
- (c) bedroom set 50,000. Din

5.3 Occasional furniture

One award will be granted for the best design solution of:

- (a) chair 75,000. Din
- (b) armchair 50,000. Din
- (c) bedstead 35,000. Din

Besides granting of awards up to 15 designs will be purchased at 10,000. Din each.

6. Targets for submission and evaluation of design work

The submission target was fixed at 31 March 1979. The evaluation target was to be 10 April 1979.

7. Assembly of the design competition Jury

A Jury of 11 members have been assigned and were responsible for the evaluation of the designs submitted.

They are as follows:

Ascerić Jefto, President of Management Board of SIPAD - W.O.
Konjuh, in Zivinice.

Čindrić Slavko, dipl. arch. Association of Fine and Applied Art.

Čimić Danilo, President Management Board SIPAD - Komerc.

Fruht Miroslav, Editor of "Industrial Design" magazine, Belgrade.
Vice President of Jury.

Galčić Nafija, dipl. arch. SIPAD - IRC.

Hasandedić Resad, Director Furniture Dept. of SIPAD Export-Import

- Kusan Milan, dipl. arch, Institute for ARch. and Urban Planning
- Muskon Dusan, Prof. Faculty of Architecture, Ljubljana
- Praskac Zdenko, dipl. arch, SIPAD,IRC
- Solaja Vaso, Director OOUR Design and Architecture of SIPAD, IRC
President of Jury
- Vekic Zivojin, Prof. Institute for Urbanism and Architecture
Sarajevo

Deputies:

- Bujić Vesna, dipl. arch. SIPAD, IRC
- Mandić Rajka, dipl. arch. Sarajevo

Publications

The jury finished its work by 10 April 1979. The results were published in the following publications: "Delo", "Oslobodjenje", "Politika", "Vjesnik" and finally the "Nova Makedonija".

Technical Condition of Competition for Solid Wood Furniture Design
with possible use of Veneered Boards

8. Organizer of the Competition

The whole Organization of Associated Labour of SIPAD, Sarajevo, one of the leading furniture manufacturers in Europe. Experts have predicted that the turnover for the year 1980 will be approximately 4 billion Dinars (or about 35 million US\$). To achieve this success a special basic Organization of Associated Labour - OOUR, Design and Architecture, was established, with the task to assure appropriate co-operation with Yugoslavian specialists, organizations and individuals dealing with furniture design, in order to provide factories with attractive products for domestic and foreign markets.

At this stage of SIPAD development special attention was paid to solid wood furniture designs. In sequence activities were directed towards this aim. Thirteen new factories were under construction, six others were reconstructed, further investment were spent for extension of retail network in the country and abroad. In accordance with this, due attention was paid to suitable designs appropriate to market demands at foreign and domestic markets, viz: 3 million chairs, 1 million tables, and 200,000 suits for living rooms.

9. Objective of the Competition

The basic objective of the competition is to attract a wide range of specialized organizations and individual designers living and working in Yugoslavia to create original designs based on solid wood construction with possible use of veneered boards and other materials. The intention is to extend the range of products for industrialized manufacture. It was expected that the competition generates interest with both recognized and unknown specialists who will offer design solutions that could raise the level of furniture design.

10. Materials to be used

The design competition is based on the requirement to suggest home grown timbers, viz: beech, oak, pine, spruce, etc. for solid wood furniture. But also accepted is the design based on veneered panels for case good furniture as well as table tops etc.

11. Market Oriented Design

According to marketing demands to furnish complete living and working areas which could be offered individually had to be included so that the competition covered furniture sets and occasional furniture. Participants are expected to offer designs respecting up-to-date visual-aesthetic expression aimed for buyers with low, medium and high purchasing income.

Furniture to be produced on awarded and purchased designs are designated to the following markets listed on the next page:

- home market,
- Western European countries,
- USA
- USSR
- oil exporting countries.

12. . Evaluation of Criteria for Awards and Purchase

Due to demands and needs the jury considered and evaluated the following features:

12.1 Furniture designs must have realistic chances for sale on home and foreign markets, in view of:

- up-to-date visual aesthetic form,
- being functional,
- possibility to fit into living and other areas to be furnished with designed furniture against Yugoslavian standards.

12.2 Furniture designs have to meet the requirements for industrialized production in factories producing:

- wooden elements,
- turned elements (round and oval sections)
- grooved and recessed elements
- bent solid wood elements,
- laminated elements,
- solid wood boards (glued-up stock)
- veneered and laminated panels
- seats and backs of wood, upholstered, woven rattan

Factories have facilities for any surface treatment required.

12.3 Application of modular and standardized elements to offer sales alternatives should be possible with as little variation as possible (from design elements and profile aspects), and by combination of colors, surface treatments, hinges, material quality etc.).

12.4 Main raw-material should be solid wood: beech, fir, spruce, pine, and oak. Bent laminated wooden elements could partially be considered because bending and laminating is not very much used in SIPAD factories. The jury did not evaluate any work where components dominate.

12.5 Preference is given to KD designs. Packages for elements should be as small as possible to avoid high transport costs.

12.6 Living room suits can be of modular design which is an advantage, but it is not obligatory.

13. Project Task

13.1 Outline of Dining room furniture

13.11 Dining chairs with and without armrests, based on one special type of seat: upholstered, woven rattan, solid wood. Dimensions based on the Yugoslavian standard. Type of chair: stacking, folding, knock-down or fixed.

Selection of construction - up to the designer's choice.

13.12 Dining table: The surface treatment and characteristic details should match with the chair. When without extension it must be a six-seater, and when with extension it must be an eight or more, by its dimensions. Legs should obligatory KD mounted.

13.13 Low china cabinet: Dimensions, door treatment and selection of materials are up to designer - solid wood - glass, solid wood - veneered panels, veneered panels as basic material and solid wood as functional aesthetic element.

13.14 High china cabinet: All the characteristics as under item 13.13.

13.15 Corner seater for dining room: Characteristic design matching with the chair. Seat could be of solid wood with loose cushions, upholstered, woven rattan, etc.

13.2 Outline of Living room furniture

13.21 Living room sets: Solid wood frame for arm chair, loose cushioned. Design single seater, love seater, three seater fixed and with stretcher. Instead of love and three seater, a corner set sitting group is acceptable. Knock-down construction is not obligatory but will be preferred.

13.22 Low table: Choice of dimensions, material and treatment. Open Form, shape and construction should match with other pièces.

13.23 Additional case good elements for living room furniture: low china cabinets, high china cabinets, bookshelves, wall systems. Dimensions and types of case good furniture/elements are up to designer. Solid wood is to be used exclusively or in combination with veneered boards. Knock-down system of constructional joints is necessary.

13.3 Outline of bedroom furniture

13.31 Wardrobe: Storage units for wardrobe, clothes, linen etc. must be planned as case good elements of modular design. Solid wood combined with veneered panels is to be used.

13.32 Bed - steads: Basic material solid wood. Care should be taken of mattress dimensions for single or double beds. It can be fixed or with an opening at headboard side as blanket chest, or, a second separate blanket chest should be envisaged. Again, dimensions are according to Yugoslavian standards.

13.33 Night side board: It can be a separate unit or fixed to the extension of the headboard.

13.34 Dressing unit: Separate unit or incorporated. Mirror can be folding type or a single one (a stool should be included).

13.35 Chest of drawers: A unit for linen and small clothing pieces. Material treatment and other conditions should match case good units.

13.4 Outline of Occasional furniture

13.41 Chair: Regarding the wide usage of this product, the designer has free choice to define purpose of the chair or system of chairs. It is desirable to propose a matching table particularly if dealing with a kitchen or a restaurant chair or a dining room chair. Seats of chairs can be wooden, upholstered, woven, leather, etc.

13.42 Easy chairs: Useage for receptions, lounges, institution halls, clubs, living rooms, etc. Construction should be show-wood frame with loose cushions, or leather seats and backs, or canvas.

13.43 Bed - stead: Depending on its purpose it can be for hotels, a single, double, childrens bed, etc. It should be of KD construction. Alternatively it can be bed with streacher, folding or similar type. Frame construction left to the preferance of the designer.

14. Content and Form of work to be submitted

The design work for each participant or participating group was mailed in a sealed envelope - package, addressed to SIPAD IRC OOUR Design and Architecture, Sarajevo, Skenderpasina 31., with a note: Work for design competition. At the same time a proof of the work mailed was sent to the announcer. Package included designs for furniture programme only or for occasional furniture only. One author can send one or more designs.

14.1 Content of work: Work to be submitted for competition should include:

14.11 List of enclosures.

14.12 Technical description of the manner of surface treatment, choice of coating, choice of other material.

14.13 All details to be drawn in scale - 1 : 5 elements smaller than 150 centimeters, and other elements 1 : 10.

14.14 All other details in scale 1 : 1.

- 14.15 For furniture with inter-changeable elements all schemes for different possibilities.
- 14.16 Prospectives of each element.
- 14.17 Declaration of author of the originality of work.
- 14.2 Form of work to be submitted: Work for competition should have following appearance:
 - 14.21 All the drawings should be done on drawing paper (ozolit) and folded in the A⁴ format.
 - 14.22 Each enclosure should be marked on the upper right corner with the code and running number.
 - 14.23 Full name of author should be submitted separately in a closed envelope with note "author" and code of work.
 - 14.24 Address to which the work not awarded is to be returned in a separate closed envelope with the note "address to which the work is to be returned" and work code, as well as agreement of the author for possible buying up.
 - 14.25 All enclosers should be in hard paper envelope A⁴ format on which code of author is marked.
- 15. Announcement of Competition Programme and its results
 - 15.1 The design competition was announced in the following newspapers: "Delo", "Oslobodjenje", "Politika", "Vijesnik" and "nova Makedonija" on the closing date of 31 March 1979.
 - 15.2 Participants were entitled to pose any additional question in a written form to the following address: SIPAD IRC OOUR Dizajn and Arhitektura, Skenderpasina 31, Sarajevo, with a note "question relating to competition" up to 21 January 1979.
 - 15.3 Work had to be submitted by 31 March 1979 exclusively with codes.

- 15.4 Jury will have finished its work by 10 April 1979.
- 15.5 Results of the competition were published in the daily papers mentioned in 15.1 immediately after the evaluations were completed by the jury.
- 15.6 Awards to the winners were given 30 days after the decisions of the jury.
- 15.7 The Announcer will in due time inform participants about the possibility of buying designs from individuals who have not been chosen as the winners of the competition. If the author does not accept the offer, (should one present itself), his work will be returned to him seven days after receiving the reply.

16. Legal Rights

- 16.1 Jury will grant awards foreseen and propose purchase of work if the number of designs submitted is twice the number of awards planned, fulfilling requirements for the competition in the different categories.

If the number of work submitted is not sufficient, the jury may decrease the number of awards accordingly.
- 16.2 If no work is submitted that could satisfy conditions of competition the Announcer reserves the right to make its own decision concerning further action about competition.
- 16.3 In case of loss of work sent to competition address due to the fault of the Announcer, a sum of 3,000 Din will be compensated to the author.
- 16.4 Work awarded or purchased becomes property of SIPAD IRC. Author is not allowed to use this work for any other purpose without agreement of the Announcer.
- 16.5 Announcer may consult the author on development and manufacture of prototypes, if he finds it necessary.
- 16.6 In case more than one person created the awarded design, in the envelope with the note "author", all the names of authors and

co-designers should appear in addition to a listing of the percentage of the finished design assigned to each individual. The award will then be paid to all of them respectively.

16.7 Announcer may purchase designs irrespective to the funds allocated for the competition, in agreement with the author.

16.8 In case of disagreement, the regular court of Sarajevo is competent.

17. Report of the Jury

SIPAD IRC, W.O. For Research, development, design, and engineering in Sarajevo, together with the Association of Fine Arts and Applied Art of BiH, and the Institute for Architecture and Urban Planning and the Faculty of Architecture and Urbanism - Sarajevo, A N N O U H C E S: the results of the General Yugoslavian Anonymous Competition for Design of Solid Wood Furniture and Veneered Furniture.

17.1 Decision of the jury for applying of awards:

17.11 Individual furniture line:

- (i) Award of 150.000 Granted
- (ii) Award of 110.000 Granted for the work with code no. "52107", author Silva Vujović and Dragan Pantić from Belgrade.
- (iii) Two awards 80.000 Granted for the works with code no. "BOR" of 80/81, author Adnrej Kavčić, Ljubljana
"DELTA", author Mirjana Grković, Novi Sad

17.12 Furniture sets were purchased for an increased amount of 50.000 Din:

- (i) "127" author Lidiya Zivanović and Bozidar Lapajne from Banja Luka.

17.13 Two designs with code no: "747577" were purchased for 20.000 Din each:

- (i) Authors Kostrić Branko and Kostrić-Sebel Sonja from Ljubljana
- (ii) "SKLOP-A" author Miroslav Pesić, Beograd.

17.14 Occasional furniture:

- (i) One award was given to the most successful solutions for:
 - chair - 75.000 Din, code no "B 666", by Niko Kralj from Ljubljana

- (ii) One award was given to the most successful solution for:
 - easy chair - armchair - 50.000 Din, code no. "4242", by Milivoje Golubović, Beograd.

- (iii) One award was given to the most successful solutions for:
 - bed/stead - 35.000 Din, code no. "ELEM" , by Vladimir Tomevski, Beograd.

- (iv) One design was purchased for an increased amount of Din 20.000 under code "CERERA", by Slobodan Tomanović, Beograd.

- (v) Fourteen designs were purchased for the amount of 10.000 each and are listed by code as follows:
 - "RS 79", by Svetlana and Branislav Mitrović, Beograd
 - "CIK-CAK", by Peter Simic and Borut Simic, Novo Mest
 - "TOP", by Tone Pogacnik, Ljubljana
 - "0090", by Mirko Romih, Kamnik,
 - "A 555", by Niko Kralj, Ljubljana
 - "44", by Milivoje Golubović, Belgrad
 - "C 777", by Niko Kralj, Ljubljana
 - "STUDIO-S", by Jurica Lončarić, Rijeka
 - "SKIN-1", by Miroslav Pesić, Beograd
 - "6066", by Milivoje Golubović, Belgrad
 - "DIMO", by Mirjana Grkovic, Novi Sad
 - "077", by Miha Burger, Ljubljana
 - "ZIRA", by Miodir Miladinović, Beograd
 - "099", by Miha Burger, Ljubljana

18. Results of the furniture competition

The Yugoslavia furniture competition has broadened the range of projects - designs of new products of the design centre. The jury has awarded or bought 120 solutions. 102 authors participated in the competition. About 2/3 of the projects that came were rejected. All the designs were for the new furniture factories that were under construction at that time. Number of the models is included in the production programs of the new factories.



