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Industrial Clubs and Contests for Oregon Boys and Girls

OREGON AGRICULTURAL COLLEGE EXTENSION SERVICE

R. D. HETZEL, DIRECTOR

CO-OPERATING WITH

STATE SUPERINTENDENT OF PUBLIC INSTRUCTION
J. A. CHURCHILL



THE WINNER AND THE GRAND SPECIAL PRIZE AWARDED FOR THE
BEST EXHIBIT OF LIVESTOCK, 1913 INDUSTRIAL FAIR CONTEST,
OREGON STATE FAIR.

The Bulletins of the Oregon Agricultural College are sent free to all residents of
Oregon who request them.

DEPARTMENT OF EDUCATION

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Section 45, Chapter I, of the School Laws of 1913, authorizes the State Superintendent of Public Instruction to supervise and promote the development of the industrial work of the public schools, including such subjects as agriculture, manual training and home economics, and promote industrial school fairs and school garden contests, in co-operation with the State Agricultural College. The field workers from this department will visit so far as is practicable all parts of the State for the purpose of giving advice and directions to Club supervisors and Club leaders.

This Circular sets forth clearly and fully the rules governing each of the ten projects, and teachers and contestants are urged to study it carefully that all exhibits may be prepared under the rules governing the contests.

Respectfully submitted,
J. A. CHURCHILL,
Superintendent of Public Instruction.

INDUSTRIAL CLUBS AND CONTESTS FOR OREGON BOYS AND GIRLS

By

F. L. GRIFFIN

State Agent, in Charge of Club Work

The boys and girls of Oregon accomplished most praiseworthy work last year in the Industrial Fair Contests. It required brains and skill on the part of those boys and girls to produce the many different kinds of things shown at the various school and county fairs, and at the State Fair. It required courage, also, to keep on smiling when they saw another's exhibit adorned with the blue, red, or white ribbons. Last year's contestants, whether winners or losers, who enter again this year, will show those qualities of perseverance and stick-to-it-iveness which are the basis of success.

The contests this year are going to be better; the work will be more interesting; and the prizes will be more worth striving for than ever before. Every boy and girl who enters a contest this year and follows the directions faithfully will receive recognition of some sort. The premiums offered for those doing prize-winning work will be such as to spur every one on to doing the best he possibly can.

In order to make it possible for every contestant to obtain the greatest amount of pleasure, profit, and training out of the contest work, the rules and methods will be somewhat different from those of last year.

INDUSTRIAL CLUBS.

An Industrial Club will be formed in every school in Oregon where there are five or more boys and girls, between the ages of ten and eighteen, who wish to engage in such practical projects as potato or corn growing, cooking, canning or sewing, pig or poultry raising, vegetable gardening, dairy herd record keeping, or manual training.

The object of these Clubs is two-fold: first, to enable the Club members to study the very best methods of doing their work under the guidance of the teacher or some other man or woman; second, to hold meetings at least twice a month so that members can benefit by discussing their experiences, hearing lectures by practical men and women, and having a good time together in a social way.

A nicely printed Industrial Club Constitution, containing blanks for the members' names will be presented to every school in the State that forms an Industrial Club. Every boy and girl undertaking a Club project will receive printed circulars dealing with his or her particular line of work.

The State Superintendent of Public Instruction, the County Superintendents of Schools and the Oregon Agricultural College are co-operating for the purpose of giving Oregon boys and girls all the assistance and instruction possible in carrying on their Club and contest work.

A Club Project is the particular kind of work in which a boy or girl chooses to engage. It is called a project because the work is so outlined that the Club members can make most rapid progress in acquiring that knowledge and skill which distinguishes efficient workmen from those who have not had such training. By learning how to do those things in which they are most interested, and by doing them in the most practical, scientific, and businesslike way, every Industrial Club member will discover at the close of the contest that he has gained something more valuable than any prize—**knowledge, power, efficiency.**

The approved Industrial Club projects for 1914 are given below. Club members may choose those that interest them most, but they are urged to join their schoolmates and engage in those that are of the greatest importance to their home or community.

CLUB PROJECTS FOR 1914.

1. Corn Growing.
2. Potato Growing.
3. Girls' Canning and Preserving.
4. Girls' Cooking and Baking.
5. Boys' and Girls' Poultry Raising.
6. Girls' Sewing.
7. Boys' Pig Feeding Contest.
8. Boys' and Girls' Gardening Contest.
9. Dairy Herd-Record Keeping.
10. Manual Arts. (Construction of useful or model articles of wood, metal or concrete.)

INDUSTRIAL CLUB CONTESTS.

Industrial Club Contests will be held for the purpose of bringing together the exhibits, records, and other work of Club members so that the Club winners may be determined.

A School Fair Contest will be held in every school district in the State where an Industrial Club has been formed. The first, second, third, fourth, and fifth prize winners in any school contest will be entitled to enter their exhibits at the County School Fair.

Boys and girls who have undertaken any approved project in a district in which an Industrial Club has not been formed, or which does not hold a school fair, will be entitled to enter their exhibits and records in the County School Contest.

A County School Fair Contest will be held in nearly every county in the State. Any contestant winning first to fifth place, inclusive, in any county contest will be eligible to enter the State Fair contest for Club winners.

The State Fair Contest will be in three divisions: * **The Club Winners' Contest; The Club Project Contest, and the Juvenile Exhibit Contest.**

* See General Rules, page 6. Also, see State Fair Premium List.

The prizes that will be awarded for the Industrial Club contest work will be announced as soon as possible by those in charge of the school and county contests. The premium list for the State Fair Contest will be sent to all who have enrolled for contest work, as soon as it is published. The premiums, as a rule, will include the following:

In Local Contests:

- a. **Passing Credit in Agriculture**, to the extent of 50%, to all Eighth Grade students who do satisfactory work in their Club projects. The teacher and the Club adviser must certify as to the character of the work done.
- b. **A Trip to the County Fair**, all expenses paid, may be given to the first prize winners in the local contests.
- c. **Special Prizes** offered by the school fair authorities.

In County Contests:

- a. **A Trip to the Oregon State Fair**, all expenses paid, in all of those counties where the County Court or commercial organizations make provision for such trips. This trip will include membership in the Boys' State Fair Camp and School. This prize will be given to the two boys in any county contest, who have scored the greatest number of points, in their respective Club contests.
- b. **Scholarships**, paying all expenses incident to a trip to the Oregon Agricultural College may be given to the first prize winners in the other eight Club projects.

The State Fair Contest.

- a. **The General Prizes** offered for Juvenile exhibits.
- b. **The Special Prizes** offered for extra good work as indicated by the project record; essay; exhibit; ability in judging crops or live stock; Babcock testing.
- c. **For Club Winners***, a trip to the **Panama-Pacific International Exposition in San Francisco, California, 1915**, for a week of sight-seeing and entertainment, with all expenses paid.

* A Club Winner is a Club member who has tried to comply with all of the rules and instructions governing his or her particular project and who has scored the greatest number of points made in that project in the State, for the year. These points will be determined by the use of the score card printed in each project outline.

GENERAL RULES FOR INDUSTRIAL CLUB CONTESTS

1. Any Oregon boy or girl who is between the ages of ten and eighteen, inclusive, is entitled to membership in any Industrial Club and may undertake any of the approved Club projects.

2. Boys and girls engaged in Industrial Club work in any local or county contest, will be divided into three classes, according to their age and training. This classification shall also prevail in the State Fair Juvenile Exhibit Contest.

Class A will consist of those who will be between the ages of fourteen and nineteen on October 1, 1914, and who have had less than five months' training in Domestic Science, Domestic Art, or Manual Training in any school.

Class B will consist of those who will be between the ages of ten and fourteen on October 1, 1914.

Class C will consist of those who have had more than five months' training in Domestic Science, Domestic Art, or Manual Training in any school.

3. At the State Fair the Club Winners' Contest will be limited to the prize winners in Classes A and B in the county contests. The awards in the Club Winners' contest shall be based upon the rules governing the respective Club projects and shall be given to the contestant scoring the highest general average in any Club project.

4. The State Fair Club Project Contest is open to any boy or girl in Oregon who has enrolled for and complied with the rules of any Club project, regardless of his or her having entered any other contest.

5. The State Fair Juvenile Exhibit Contest is open to any boy or girl in Oregon who enters an exhibit and presents a statement from parent or guardian, certifying that the exhibit was actually produced by the contestant's unaided efforts.

6. A contestant may engage in more than one Club project and enter more than one contest, but he or she shall not be allowed to enter the same work or exhibit for more than one prize in any Club contest.

7. Any boy or girl who has not been able to enter any school or county contest, but who has enrolled for any Club project, may compete in either the Project Special contest, or the Juvenile Exhibit contest.

8. Each contestant in any Club project contest must be regularly enrolled on the **Special Enrollment Blanks**. These blanks may be obtained from the State Superintendent of Public Instruction, Salem; the Teacher, or from the State Agent in charge Club work, Oregon Agricultural College, Corvallis.

PROJECT I.

RULES GOVERNING THE POTATO CONTEST.

1. Each contestant in Class B shall grow at least 1-16 acre of potatoes. (50 by 55 feet approximates 1-16 acre.)

2. Each contestant in Class A shall grow at least $\frac{1}{8}$ acre of potatoes. (4 rods by 5 rods, or 55 by 100 feet, approximates $\frac{1}{8}$ acre.)

3. Contestants desiring to enter the State Fair contest for Club Winners must grow at least $\frac{1}{8}$ acre of potatoes.

4. Each contestant shall prepare the seed bed, plant, cultivate, harvest and select his exhibit tubers. (Members of Class B may hire their ground plowed or spaded.)

5. Each contestant shall keep a record book, which shall tell how the crop was grown, give details of all the work, including costs and profits, describe any interesting feature connected with the work, and answer the questions asked in the project circulars.

6. Each contestant shall select and exhibit one peck (15 pounds) of potatoes grown by himself. This exhibit will be judged by a score-card with which contestant should become familiar, as he may be called upon to do some potato judging at the contest.

7. The best hill of potatoes, grown from a single seed piece, must be selected by the contestant in the presence of some disinterested person who shall count and weigh the tubers and seal them in some suitable container, which is to be opened only by the authorities in charge of the contest exhibit.

8. The area of the crop grown in the contest is to be measured and the yield of the crop is to be weighed by some disinterested person who must certify to the accuracy of the figures given in the contestant's notebook.

9. The awards in the local, county, and State Fair contests will be based upon the following score:

Exhibit, one peck of market tubers (15 pounds).....	25
Best hill of potatoes.....	25
*Judging potatoes.....	10
Crop record.....	40
Possible score.....	100

* This feature may be omitted from the score card, at the discretion of the judges, and the points allowed may be added to any of the remaining items.

The following circulars will be sent to all who are enrolled for the potato-growing project:

1. Potato Sections and Potato Soils.
2. Potato Pests and Diseases.
3. Varieties of Potatoes; Selection of Seed.
4. Preparation of Seed Bed and Methods of Planting.
5. Cultivation and Care of Growing Crop.
6. Harvesting; Hill, Selection of Seed.
7. Selection of Exhibition Tubers; Potato Judging.

PROJECT II.

RULES GOVERNING CORN-GROWING CONTEST

NOTE: On account of lateness in maturing, possibly no corn exhibit will be held prior to the Oregon State Fair. If it is deemed advisable, special corn exhibits may be held in different sections of the State.

1. Each contestant in Class B shall grow at least 1-16 acre of corn. (50 by 55 feet approximates 1-16 acre.)
2. Each contestant in Class A shall grow at least $\frac{1}{8}$ acre of corn. (4 rods by 5 rods, or 55 feet by 100 feet, approximates $\frac{1}{8}$ acre.)
3. Contestants desiring to enter the State Fair contest for Club Winners must grow at least $\frac{1}{8}$ acre of corn.
4. Each contestant shall prepare the ground, plant, cultivate, harvest and select his seed corn for exhibition. (Members of Class B may hire their ground plowed or spaded.)
5. Each contestant shall keep a notebook telling how the crop was grown, give details of all the work, including costs and profits, describe any interesting feature connected with the work, and answer the questions asked in the project circulars.
6. Each contestant shall select and exhibit ten ears of corn grown by himself. This exhibit will be judged by a score card with which the contestant should be familiar, as he may be called upon to judge corn at the contest.
7. The best hill of corn (one to three plants) must be selected by the contestant in the presence of some disinterested person who shall wrap and seal the plants in burlap, cloth, or heavy paper. These exhibits are to be opened only by those in charge of the contest exhibit. The best ten ears of corn, of the contestant's own selection, shall be sealed in some container in the presence of the disinterested person, and the package shall be opened only by the authorities in charge of the contest.

8. The awards in all contests will be based upon the following score:

Exhibit, best 10 ears of contestant's own selection.....	25
Best hill of corn, one to three plants.....	25
*Judging corn at the contest.....	10
Crop record.....	40
Possible score.....	100

* This feature may be omitted from the score card, at the discretion of the judges, and the points allowed may be added to any of the remaining items.

The following project circulars will be sent to all boys and girls enrolled for the corn growing project:

1. Corn Growing Sections and Soils.
2. Varieties of Corn, Selection and Testing of Seed.
3. Preparation of Seed Bed and Methods of Planting.
4. Cultivation and Care of Growing Crop.
5. Field Selection of Seed Corn.
6. Harvesting and Storing Corn.
7. Food Value of Corn Rations for Livestock.
8. Corn Judging.

PROJECT III.

RULES GOVERNING THE CANNING AND PRESERVING CONTEST.

1. Each contestant shall agree to follow the directions given in the project circular and do all of the exercises outlined without assistance.

2. Each contestant shall keep a record of all the work done during the contest. This will include an account of the varieties of fruits and vegetables canned and preserved, and the amount of each.

3. Each contestant in Class B shall write a story of not less than 300 words telling why and how foodstuffs are preserved.

4. Each contestant in Class A shall write a paper of not less than 600 words describing the various methods used in preserving plant and animal products used as food.

5. Contestants in Class C shall write a paper of not less than 1,000 words giving the reasons for food fermentation and decay, and discussing the principles upon which the various methods for preserving foodstuffs are based.

6. Each contestant in Class B, A and C shall exhibit five, ten, and fifteen kinds of fruit and vegetables, respectively, either canned, preserved or jellied, by herself.

7. The awards will be based upon the following score:

Records, neatness and completeness.....	40
Paper.....	30
Exhibit, appearance, color, flavor.....	30
Possible score.....	100

The project circulars will cover the following ground:

1. Fermentation and Decay of Animal and Vegetable Products.
2. Principles and Methods of Sterilization.
3. Canning and Preserving of Special Food Products.

PROJECT IV.

RULES GOVERNING PIG-RAISING CONTEST.

1. Each contestant shall care for and do all the work required in the feeding, housing, and rearing of one or more pigs. No pig shall be more than four months old at the beginning of the contest.

2. Each contestant in Classes A and B will be required to do the same kind of work. Separate prizes will be offered in each class.

3. Each pig entered in this contest must be weighed at the beginning of the contest and again at the close. Both weights must be taken three hours after the pig has received any food or water. Some disinterested person must certify to and record the weight and date in each instance in the contestant's note book.

4. Contestants must keep an accurate account of the kind, amount, weight and value of food consumed by each pig during the contest.

5. Contestants shall study carefully all the circulars sent to them and answer, in their notebooks, all questions asked.

6. Each contestant shall exhibit a pig of his own raising at the local, county, or State fair and shall be prepared to judge swine if called upon to do so.

7. The awards shall be based upon the following score:

Neatness, accuracy and completeness of notebook.....	40
Exhibit of pig of contestant's own raising.....	30
*Ability in judging swine.....	30
Possible score.....	100

* This feature may be omitted from the score card, at the discretion of the judges, and the points allowed divided equally between the two remaining items.

The following project circulars will be sent to all contestants at intervals during the contest period:

1. Feeding and Care of Pigs.
2. Housing and Yarding of Pigs.
3. Diseases of Swine.
4. Types and Breeds of Swine.
5. Judging of Swine.
6. Finishing Pigs for Market or Show.

PROJECT V.

RULES GOVERNING COOKING AND BAKING CONTEST.

1. Each contestant shall agree to follow directions given in project circulars and answer all questions contained in the circulars.

2. Each contestant shall keep an exact record of all the work done and results obtained in the baking contests.

3. Each contestant in Class A shall write a story of not less than 300 words about wheat and manufacture of flour.

4. Each contestant in Class B shall write a story of not less than 600 words describing an ideal loaf of bread and the conditions governing its production.

5. Each contestant in Class C shall write a paper of not less than 1000 words. This paper shall contain a careful drawing of a longitudinal section of a grain of wheat, a description of the yeast plant and conditions governing its growth and reproduction. A discussion of the causes of faults in bread and statement of facts relating to different kinds of baking powder and the residue left in the food when they are used. The use of soda and sour milk shall be compared with the use of baking powder.

6. Each contestant shall make an exhibit of at least one variety of yeast raised bread and may also exhibit steamed brown bread and one type of cake. The baking should be done on the day immediately preceding the day of the contest.

7. Awards will be based upon the following score:

Records, neatness and completeness.....	40
(The above includes replies to questions in circular.)	
Paper	30
Exhibit	30
Possible score.....	100

Project circulars will cover the following ground.

1. Flours used in bread-making.
2. Yeast and the changes it produces in flour.
3. Bacteria and molds—their importance in bread-making.
4. Score card for bread with full explanations.
5. Use of soda and baking powders.
6. Mixing and baking batters and doughs.
7. Bread—its importance as a food.

The following articles may be entered in contests:

Bread.....	{ Salt rising bread.
	{ White light bread.
	{ Whole wheat light bread.
	{ Steamed brown bread.
	{ Fancy raised breads.
Loaf cakes....	{ Sponge cake.
	{ Angel food cake.
	{ Chocolate cake.
	{ Yellow cake.
	{ White cake.

PROJECT VI.

RULES GOVERNING THE DAIRY HERD RECORD
CONTEST.

1. The Dairy Herd Record project requires the obtaining of milk and butter fat records from not less than two or more than twelve cows during a period of six to eight months.

2. Contestants in Classes A and B shall do the same kind of work, but separate prizes will be offered in each group.

3. On the 15th day of each month contestants must weigh the milk produced by each cow at the morning and evening milking. From milk samples taken at the time of each weighing, the butterfat content will be determined.

4. Each contestant must keep an accurate record of the weight of the milk, and the per cent of butterfat found at each sampling, together with as much definite information as may be obtained regarding the kinds, amounts, weights, and value of food consumed by each cow being tested.

5. Each contestant shall study carefully all the project circulars sent to him and record in his notebook the answers to all the questions asked.

6. Each contestant may be called upon to judge a dairy cow and make a Babcock test at the local, county, or State Fair contest.

7. Awards will be based upon the following score:

Neatness, accuracy and completeness of records.....	70
*Ability in judging dairy cows.....	15
*Accuracy, speed, and neatness in making Babcock test.....	15
Possible score.....	100

* These features may be omitted from the score card, at the discretion of the judges.

The following project circulars will be sent to all contestants at intervals during the period of the contest:

1. Making the Babcock Test.
2. Feeding and Care of Dairy Cows.
3. Housing and Management of Dairy Cows.
4. Breeds of Dairy Cows.
5. Judging Dairy Cows.
6. Care of Milk and Milk Utensils.
7. Feeding and Care of Young Stock.

PROJECT VII.

RULES GOVERNING SEWING CONTEST.

1. Each contestant shall agree to follow the directions given in the Sewing project circular, and do all the exercises outlined.

2. Each contestant must keep a record of all the work done and answer all of the questions asked in the project circulars.

3. Each contestant in Class B shall write a paper of not less than three hundred words on a subject to be announced.

4. Each contestant in Class A shall write a paper of not less than six hundred words on the manufacture and use of cotton and woolen cloth.

5. Each contestant in Class C shall write a paper of not less than 1,000 words describing the various weaves of cotton and woolen goods, and discussing the desirable and undesirable qualities of each weave.

6. Each exhibit presented shall be accompanied by a statement from parent or club advisor stating that the work was accomplished by the contestant's unaided efforts.

7. Contestants in Class B may enter hand-made doll dresses, aprons of suitable size for the contestant, or a collection of not less than four varieties of mending. Classes A and C may present any garment which will include both machine and hand work, the hand work to include the button hole, and three other types of stitches.

Classes A, B, and C will do much the same kind of work, but separate prizes will be offered in each class. All exhibits must be accompanied by a statement from parent or Club Advisor that the work was accomplished by the contestant's unaided efforts.

8. The awards will be based upon the following score:

Records, neatness and completeness.....	30
Materials, appropriateness, and suitability.....	20
Paper.....	20
Exhibit, quality, and workmanship.....	30
Possible score.....	100

The Club project circulars will cover the following ground:

1. Principles of Sewing. Different Kinds of Stitches.
2. Selection of Materials.
3. Manufacture of Cotton and Woolen Goods.
4. Nature and Value of Different Weaves.

PROJECT VIII.

RULES GOVERNING POULTRY-RAISING CONTEST.

NOTE: Contestants in the 1914 Poultry Contest will begin not later than February 14, 1914. Contestants are urged to hatch and rear enough chicks to have pullets of their own raising to enter the 1915 Poultry Contest, which will begin about October 1, 1914.

1. Each contestant shall select from five to fifty fowls for his flock. It is not required that any one breed or variety be selected, as they may be either standard bred or crosses.

2. The contestant will be required to do all of the work connected with the feeding and caring for his flock as well as the keeping of accurate records of the time spent in such work.

3. In Classes A and B the work will be the same, but separate prizes will be offered.

4. Each contestant must keep an accurate account of the kinds, amount, weight, and value of the food consumed by his flock during the period of the contest, as well as the number of the eggs laid and the receipt for eggs and chickens sold, and the amounts expended for feed, etc.

(b) If feed is grown on the home farm, it should be so noted and the price at which it would have been sold should be charged against the flock in the contestant's note book.

(c) If the eggs and chickens are used at home, it should be so noted on the records and they should be charged at store prices on the records.

5. Each contestant shall study carefully all the project circulars sent to him and, record in his notebook the answers to all questions asked.

6. The awards in all local, county, and State Fair contests shall be based upon the following score:

Notebook; accuracy, completeness and neatness.....	50
Exhibit, 3 pullets and 1 cockerel of contestant's own raising.....	40
*Identification of breeds of poultry at the contest.....	10
Possible score.....	100

* This feature may be omitted from score card, at the discretion of the judges, and the points allowed may be added to any of the remaining items.

The following project circulars will be sent to all poultry contestants during the contest period:

1. Breeds of Poultry.
2. Housing and Yarding of Poultry.
3. Feeding for Eggs.
4. Incubating and Brooding Chickens.
5. Feeding of Young Chickens.
6. Marketing and Preserving Eggs.
7. Poultry Pests and Diseases.
8. Preparing Fowls for Market.
9. Preparing Poultry Exhibits for the Show.

PROJECT IX.

RULES GOVERNING VEGETABLE GARDENING
CONTEST.

1. Each contestant in Class B must do all the work of planning, planting, cultivating and harvesting a vegetable garden 25 feet by 50 feet in size, or of an equivalent area. Three different kinds of vegetables must be grown. Contestants in Class B may have their gardens plowed or spaded.

2. Each contestant in Class A must do all the work of planning, preparing, planting, cultivating and harvesting a vegetable garden 25 by 100 in size, or of an equivalent area. Five different kinds of vegetables must be grown.

3. Each contestant must keep a complete and accurate account of the cost of labor, seed, fertilizer, rent, or other charges connected with the garden. This information, together with the garden plan, list of vegetables grown, sold or consumed, and the answers to the questions in the garden project circulars should be kept in notebook form. A well kept, accurate and complete garden record will count heavily in the final score.

4. Each contestant must exhibit at the local, county or State Fair, five specimens of each kind of vegetable grown (pumpkins, squash and melon, one each). The exhibit will be scored on the following points: Size, shape, quality and attractiveness (all from the standpoint of market requirements).

5. The awards in local, county and State Fair contests will be based upon the following score:

Exhibit (quality)	40
Plan of garden.....	10
Notebook	50
Possible score.....	100

The following project circulars will be sent to contestants from time to time:

1. Garden Planning.
2. Hot Beds and Cold Frames.
3. Preparation of Seed Bed.
4. Planting and Transplanting.
5. Cultivation and Irrigation.
6. Harvesting and Marketing.
7. Judging Vegetables; Preparation of Exhibit.

VEGETABLES SUGGESTED.

Beans	Celery	Melons	Radishes
Beets	Corn (sweet)	Onions	Spinach
Cabbage	Cucumbers	Parsnips	Squash
Carrots	Lettuce	Pumpkins	Tomatoes

PROJECT X.

RULES GOVERNING THE MANUAL ARTS CONTEST.

1. All contestants in Classes A and B will be allowed to make any article of wood, or wood and metal, that they desire.

2. Every article entered in any contest exhibit shall be absolutely of hand construction, no machine work, except for getting out rough stock, being allowed to enter into any part of its construction.

3. Every contestant in Class C will be allowed to make any article that he desires, and it may be either of hand or machine construction.

4. A working drawing in ink or pencil, drawn to scale, should accompany every article exhibited, wherever possible.

5. The awards will be based upon the following score:

Originality shown by exhibit.....	30
*Working drawings, neatness and accuracy.....	30
Exhibit, workmanship and usefulness.....	40
Possible score.....	100

A number of circulars will be sent to each contestant in this project, containing suggestions as to the care and use of tools and directions for making the various articles that may be exhibited.

* This feature may be omitted from score card, at the discretion of the judges, and the points allowed may be added to any of the remaining items.