

## Jewelry Making Is a New Utility Art

(Special to the Farm Magazine.)

**J**EWELRY-MAKING is a new utility art at the Oregon Agricultural College under the direction of the art department, and the craft has proved popular among both students and faculty.

Brass, copper, silver and gold are the materials used. Native stones—particularly the agate—and stones from Eastern lapidaries, are used for settings.

The students originate the designs used and work out their own ideas as to stones and colorings, although they may get their inspiration from any source, and emphasis is placed upon the design.

The first problem for the student is that of sawing and soldering copper, since this is the most easily handled, and most inexpensive material and gives the student practice in handling tools. Watch fobs, brooches and hatpins are some of the first articles made.

After a problem in stonesetting, sheet silver is used for such problems as the making of rings, buckles, chains, necklaces, pendants and bracelets. Ball making, etching, casting, repousse and filigree are other problems used in the fashioning of such articles as rings, bracelets, pendants, etc. After some skill is acquired, the student is allowed to work with gold, which presents its own peculiar problems.

Work in pounded metal in the making of larger articles, such as bowls, candlesticks and ornaments in various materials, will be introduced with the expansion of the department.

Liver of sulfur and mercuric chloride besides other agents are used for coloring silver.

The better the equipment the more skilled the work will be, but with just such simple tools as needle, files, mallets, hammers, a small piercing saw No. 0-1, 0-5, and coarser, and saw, frame, drills, tongs, vise, pliers, blowpipe, alcohol lamp or Bunsen gas-burner and a soldering outfit, much fine work is done.

The reference books used in the course are "Silver Work and Jewelry," by H. Wilson; "Jewelry," by H. Clifford Smith; "Copper Work," by Augustus F. Rose, and "Metal Work and Etching," by John Adams. New books are constantly being added that afford inspiration for the students.

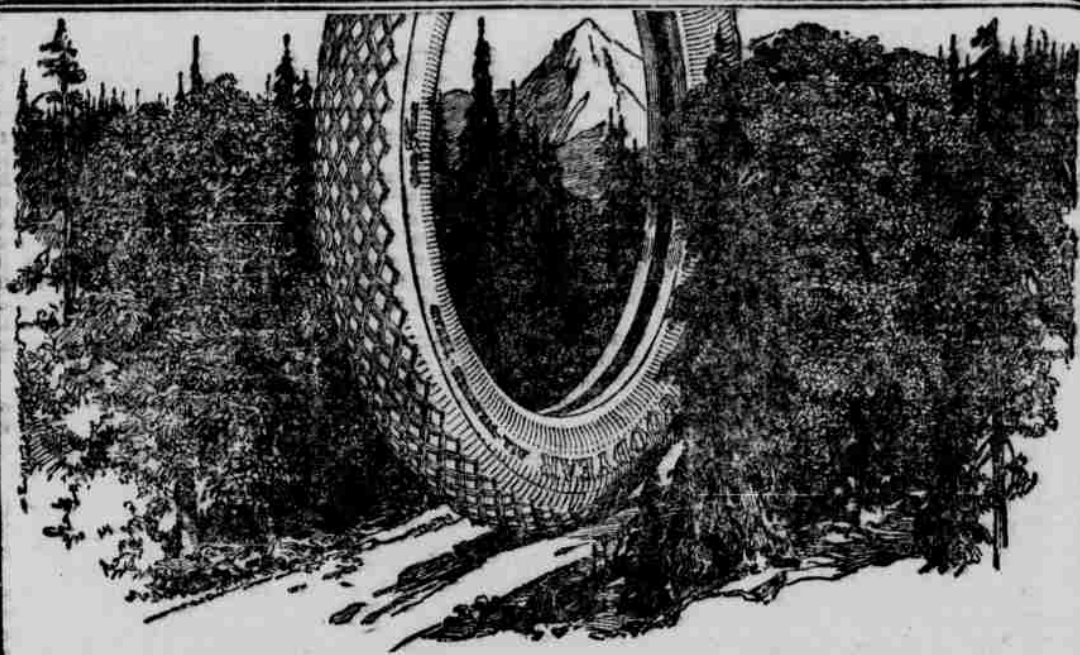
Jewelry making is a one-year course, effective for seniors of the domestic science course, but is open to other students.

As this craft is being introduced more and more into the public school it is hoped that jewelry making will be made a part of the industrial arts course now taught in the college.

### She Was Born In,

A lady accosted a little girl who was entering one of the fashionable New York flats where she knew the rules were exceedingly strict, and after some little conversation said: "How is it you live in these flats? I thought they would not take children. How did you get in?"

"Why," replied the child, "I was born in."—Chicago News.



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## When Is Time to Plant the Garden?

**W**HEN is the proper time for preparing to plant one's garden?

The United States Department of Agriculture's specialist says that in the Spring as soon as the soil has dried so that a handful when grasped in the hand and gripped by the fingers will slowly fall apart upon being released, it is in a fit mechanical condition to prepare for planting. Clay or heavy soils should never be worked while wet. More injury may be done by doing this than can be overcome in several years of careful culture.

When the soil is found dry, as described above, the upper three inches should be made fine by the use of the hoe and steel-tooth rake; all rubbish, stones and clods should be removed and the surface made even, somewhat compact, and as level as the contour of the area will permit. It may then be marked off for planting in conformity to the general plan of the garden.

Much of the soil in the average backyard is not only poor in plant food and deficient in decaying vegetable matter, but it is hard and unyielding. However, such is the basis which many a housewife or child has to use for the making of a garden. Teachers who plan school gardens for their pupils also have similar conditions to meet. Therefore, in order to get good results, careful attention must be given to the preparation of the soil.

### Testing Soil.

Soils which are naturally moist are likely to be sour and so not in the best condition for the crop. Whether sour or not it will be well to have the pupils test them, which can be done as follows:

Secure from a drugstore a piece of blue litmus paper then take a handful of the soil slightly moistened and place the paper on it. If sour the paper will turn

red. To correct such a condition lime should be used. Cover the ground with a thin coat of air-slaked lime, which can probably be secured nearby at small cost, and work this in well. The use of the lime, while not a plant food, will correct the acidity and will improve the physical condition of the soil.

If the soil is clayey or a stiff clay loam and the location is in a section where severe freezing occurs, it will be found a decided advantage to give the area a heavy dressing of decomposed manure in the Autumn, and before freezing weather sets in spade the land so as to turn the manure under and leave the soil in a rough, lumpy condition so as to secure the benefit of the digestive action of the Winter freezes in reducing the soils.

This should be repeated annually at the North. If the soil is light and sandy, a mulch of manure may be spread over it in the Fall and the spading delayed until Spring.

In localities where the soil does not freeze, the manure may be applied in the Autumn and the soil repeatedly spaded during the Winter whenever it is dry enough to be worked.

The value of freezing at the North can to an extent be attained by repeated spadings at the South. The one general precaution which should always be observed is never to stir the soil while it is wet.

### Paper as Protection Against Cold.

M. Gaston Darboux, the secretary of the French Institute of Science, draws the attention of doctors to the value of paper undergarments as a protection against the coming Winter weather. The French army in 1870 kept themselves warm by means of newspapers worn beneath their uniforms, and the Japanese

soldiers on active service are even now wearing paper shirts.

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