

Blacksmith Turns Toolmaker



THE DAY wouldn't be complete for George Earnest if he didn't drop in at the GE Forge and Tool Works to have a look around. The business is now owned by Adam Eckerich who plans to expand to meet demand. Earnest, the proud blacksmith, is shown heating up some iron in the shop.



DALE SPROUT, an employe of GE Forge and Tool Works, works on a "nipper" that is part of the horseshoe kit turned out by the firm.

Potato Handling Study Under Matching Funds

Oregon's filbert and potato matching fund projects in marketing services have entered the pilot commercial stage and three other projects are making progress. So reports Paul T. Rowell, state department of agriculture market development chief and state coordinator of the projects, conducted jointly by the department and Oregon Agricultural Experiment Station at OSC.

Oregon is putting \$18,000 in the five projects this fiscal year, with a matching amount coming from USDA's \$1.1 million fund earmarked for market service projects through all state departments of agriculture.

Oregon's five joint projects and a brief description follow:

Filbert storage. Earlier experimental work showed first class eating quality can be retained after a full year's good warehouse storage, without refrigeration, if uniform proper moisture content is maintained. Based on this finding, pilot commercial lots are now in storage in polyethylene bags and bag liners in Eugene, Salem and Portland and in poly-lined tote box storage at Dundee.

Potato handling project. This is to determine the consumer acceptance and economic feasibility of separating Oregon russet potatoes by differences in qualities for different uses. These qualities are found to be associated with specific gravity of the potatoes. This year a machine was constructed to separate potatoes within any lot by specific gravity. It consists of a tank using

CAMERA *Angles*

By IRVING DESFOR
AP Newsfeatures

An entirely new method for making practically instantaneous contact prints in normal room light without conventional darkroom apparatus or skill has been introduced to this country.

The new device, called "Rollaprint," was invented in France. It consists of a small plastic box

a circulating brine solution with conveyors to remove heavy density potatoes which sink to the bottom of the tank, and light density potatoes which float to the top. Each goes through a spray rinse on leaving the tank. This machine now is installed at a potato company warehouse in central Oregon.

Pilot commercial usage and merchandising trials through several stores, restaurants and hotels in this area will be under way shortly.

Seed storage project. This is somewhat similar to the filbert project and is utilizing polyethylene bags or liners to maintain uniform moisture content and germination quality during storage and shipment under variable conditions of temperature and humidity. Seed warehousemen and handlers are enthusiastic about apparent marketing benefits accruing to the Oregon seed industry.

Nursery stock project. This is developing means of assuring virus-free nursery stock for certification and sale by Oregon nurseries. Considerable progress has been made on cherry stock to date. The work is being expanded to apple and pear stock.

New processing ideas project. This is to determine how new ideas in plant equipment, operation, management, including packaging and sales, are obtained and put into practice by Oregon food processing plants. Dr. Harold Schultz of OSC spent most of his six months sabbatical leave last year working on this project and some follow-up work is being done this year.

While actual research work is conducted by experiment station personnel, staff members of the state department of agriculture and the extension service have assisted the projects when and where needed, Rowell says.

OFFICIALS GO TO JAIL

CHICAGO (UPI)—Voters with a yen to see city officials behind bars can visit suburban Homewood Saturday.

All available local officials there will remain behind bars until enough "bail" is raised for the 1961 March of Dimes.

in which a special contact paper, comes down over them, pressure given an exposure in the normal way through a negative, is rolled through to make a finished print within 10 seconds. The print comes out a bit damp but it is fixed or "stabilized" and requires no further washing.

The plastic box, about nine inches long, six inches wide and three inches deep, is its own compact, automatic darkroom. Lifting a hinged lid on its left side reveals a contact printer. The right side has the self-contained darkroom. Let's examine it:

On top are two grooves about four inches long and one-half inch wide. A roller handle is on the upper, right hand side. The top of the plastic box, with the grooves and handle, comes off.



When we turn it over, we see three sets of double rubber rollers, hooked up together through clockwork plastic gears. Turning the handle, turns all the rollers but only in one direction: clockwise.

On the bottom section of the plastic box is a removable plastic tray, divided into two compartments. One has a yellow marker; the other a red marker. These compartments are filled with special solutions from yellow and red plastic bottles. The solutions are pre-mixed ready-to-use developer (yellow) and a stabilizer (red) which fixes it.

The special Rollaprint contact paper comes in a package of 100 sheets, each 3 1/4 x 4 1/4 inches. It is not affected by normal room light but is susceptible to sunlight, bright or prolonged light.

The negative is placed on the ground-glass, emulsion side up. The paper is placed on it, emulsion side down. The hinged lid

is applied and the light goes on to make the exposure. (The plastic box has an electric cord which is plugged in first, naturally.) The exposure varies from one to eight seconds, depending on the density of the negative.

The exposed paper is then inserted into the first groove and the handle is turned slowly and constantly. The paper is gripped by the inside rollers, guided through the developer compartment, into and through the stabilizer compartment and then out through the second groove into sight again.

If the print comes out too light or too dark, a new print can immediately be made with more or less exposure, as needed.

The Rollaprint process, invent-

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