HOME AND FARM MAGAZINE SECTION

United States Department of Agriculture Special Page

Bulletins and Special Articles Issued by the Government, of Interest to the Northwest; Suggestions Covering a Wide Range of Activities; Result of Federal Investigations, Etc.

Double-Entry Books for Co-operative Societies

Potatoes Make a Good Substitute for Bread

D^{OUBLE} entry bookkeeping is urged upon all farmers' co-oper-**I**^F wheat remains at its present high figure or continues to rise in price ative societies in a recent publication and if there is a corresponding in-of the United States Department of crease in the price of bread, scientists in the United States Department of Agriculture suggest that the ordi-nary household will find it advantageous to eat more potatoes and less

bread. With potatoes at 60 cents a bushel, 10 cents worth-or 10 pounds-will protein and fat are present in appreciably larger amounts in the bread, but the potatoes will be found to furin marketing his product, the books nish more carbohydrates, and more heat units.

Carbohydrates (starch) contribute greatly to the energy value of any diet and since potatoes are rich in these, families that wish to expend their money to the best advantage are recommended to consider whethshow a true is a system must be suf-ficiently elastic to take care of the maximum volume of business at the busy seasons and at the same time be economical. The six essential requirement for such a system are stated in the bul-letin as follows: Inter the same time be such a system are stated in the bul-letin as follows: Inter the same time be such a system are stated in the bul-letin as follows: Inter the same time be such a system are stated in the bul-letin as follows: Inter the same time be such a system are stated in the bul-letin as follows: Inter the same time be such a system are stated in the bul-letin as follows: Inter the same time be such a system are stated in the bul-letin as follows: Inter the same time to lend variety in the same time to obtain. Inter the same time to be and the species and hyperity and the species of consider able value to the nursery-man and orchardist. With the fruits has there been an equal opportunity to report step by step the gdvance which has been made since the original of the first-named variety was planted and culti-tion new bulletin,

Many Varieties From Native American Plum THE wild North American plum has given rise to more cultivated varietles than any other of the native fruits except the grape. These varieties have mainly originated in the Mississippi Valley, Iowa alone having though dealing primarily with condifurnished 175, Minnesota 74, and tions in Connecticut and Massachu-South Dakota 44. In Texas 97 varieties have originated.

In these Western and Southern regions where several of the species appear to have reached their greatest perfection in the wild condition the greatest development in the future, under cultivation, may probably also be expected to take place, according to a new bulletin of the United States Department of Agriculture (No. 172) entitled "The Varietles of Plums De-rived from Native American Species."

The new publication is a profes-sional paper which should be of especial interest to the growers of fruit, particularly those engaged in plum breeding. It gives a list of na-tive varieties and hybrids showing the origin of each variety and the species ture of sand, gravel, soil and clay

records showing the business trans-actions and the results thereof. (b) A record of each member's transactions with the organization. (c) Capability of taking care of a maximum amount of business during the shipping season. (d) Capability of returning to the members the proceeds from their (a) Clear moving the proceeds from their (c) Clear moving the proceeds from the proceeds from a financial point of (c) Clear moving the proceeds from the proceeds from a financial point of (c) Clear moving the proceeds from the proceeds from a financial point of (c) Clear moving the proceeds from the proceeds from a financial point of (c) Clear moving the proceeds from the proceeds from a financial point of (c) Clear moving the proceeds from the proceeds from a financial point of (c) Clear moving the proceeds from the proceeds from a financial point of (c) Clear moving the proceeds from the pr

members the proceeds from their products within a reasonable time. (e) Clear pooling records when be shown quickly. (f) Auxiliary records which will give statistics and valuable informa-tion for the conduct of the business. These records must be accurate. The necessity for providing a reg-ular system for safeguarding the cash is also emphasized in this bul-tetin, and nine precautions are given

Soil Considerations

for Grower of Apples DEPTH of subsoil as a necessity for successful apple growing is strongly emphasized in a new bulletin of the United States Department of Agriculture (No. 140) which, alsetts, contains much information of value to orchardists all over the country.

The presence of unbroken rock, large ledges, or hardpan within three feet of the surface, the bulletin con-siders prohibitive, and a soil depth of at least six feet is almost a necessity. An even greater depth is de-sirable. There is also no foundation for the popular belief that the pres-ence of stones is useful. Their only benefit is to loosen to some degree the excessive compactness of clayey, stiff while however are nover

True hardpan, the bulletin points out, is not a clay loam which may under certain circumstances consti-tute a desirable subsoil, but is a mix-ture of sand, gravel, soil and clay with more or less cementing material which binds the mass together so that the movement of moisture in both directions is seriously impeded. Where hardpan is found close to the surface it can sometimes be broken up by the use of dynamite. This, however, is an expensive process and with the prevailing prices for good or-chard lands, it will be better for the chard lands, it will be better for the fruitgrower to select soll which does

not require it. The cultural methods employed in an orchard should always be flexible and .adapted to the individual soil characteristics. It is better to adapt the varieties to be grown to the soil rather than to attempt to change the nature of the latter.

For any kind of orchard planting the soil should be deep, well drained, and friable, yet not so porous as to be droughty. The exact soil best suited droughty. The exact soil best sulted to each variety of apple will depend to each variety of apple will depend largely, however, on such climatic factors as the range of temperature, the rainfall, the surface drainage, ex-posure, etc. If these climatic fac-tors are unfavorable for any given variety the character of the soil will not make it possible to grow this fruit successfully unless it serves to offset the unfavorable conditions. For example, apples ripen a little

For example, apples ripen a little later on a northerly slope than on a southern one. They also ripen earlier on a sandy loam than on heavier soils. Thus a light soil on the north side of a hill may produce earlier fruit than a heavier one on the south side.

Pack "Spuds" for South America With Due Care

NEW markets in South America opened by the war to potato

voyage and the high temperatures encountered in the tropics, certain shipments from New York to Brazil and Uruguay have arrived in bad condition. Some of these potatoes were found to have been attacked by fungi causing a soft rot, and others which appeared perfectly sound externally were black in the center. To obviate this difficulty, shippers are urged to take a few simple pre-cautions. In sorting and packing potatoes for export through the tropics the following points should be care-fully observed: 1. All badly bruised or cut pota-toes should be thrown out. 2. Frosted potatoes should be ex-cluded.

Agriculture, Bulletin No. 178, "Co-operative Organization Business Meth-The very life of a co-operaods." tive organization, says the bulletin, depends upon the confidence its members possess in it, and such confidence is impossible unless the records are unmistakably accurate. The double give the consumer a little more actual entry system is the only one which af-fords a complete check and should, loaves of bread at 5 cents each. The therefore, be adopted in all cases.

Since the co-operative organization acts as the agent of the grower of the organization must not only contain the usual records of any business enterprise, but must also show a clear record of each grower's

letin, and nine precautions are given which it is said should be adhered

to strictly. (1) All entries of cash should be explicit, and items supporting such entries should be filed so that they are accessible for reference and veri-

fleation. (2) No entries should be recorded

by the organizations within a certain radius and a competent auditor can be engaged to do the auditing for all.

March Estimate of Grain Crops HE crop reporting board of the The proportion of the 1914 crop bureau of crop estimate, from which is merchantable is about 84.5 per cent, against 80.1 per cent of the 1913 crop and 85.0 per cent of the reports of correspondents and

fication. (2) No entries should be recorded in the cashbook which do not relate to cash. (3) The full receipts of each day should be deposited in the bank. (4) All canceled checks should al-filed in numerical order. (5) Duplicate checks should al-ways be covered by indemnity bonds. (6) Reconciliation should be made. (7) Permanent record of these re-conciliations should be made. (8) Checks, sales slips, receipts, abarted a should de made. (8) Checks, sales slips, receipts, abarted a should de made. (8) Checks, sales slips, receipts, abarted a should de made. (6) Checks, sales slips, receipts, abarted a should de made. (6) Checks, sales slips, receipts, abarted a should de made. (7) Permanent record of these re-conciliations should be made. (8) Checks, sales slips, receipts, abarted a should de made. (8) Checks, sales slips, receipts, abarted a should de made. (8) Checks, sales slips, receipts, abarted a should de made. (8) Checks, sales slips, receipts, abarted a should de made. (8) Checks, sales slips, receipts, abarted a should de made. (8) Checks, sales slips, receipts, abarted a should de made. (8) Checks, sales slips, receipts, abarted a should de made. (8) Checks, sales slips, receipts, abarted a should de made. (8) Checks, sales slips, receipts, abarted a should de made. (8) Checks, sales slips, receipts, abarted a should de made. (8) Checks, sales slips, receipts, abarted a should be made. (8) Checks, sales slips, receipts, abarted a should be made. (8) Checks, sales slips, receipts, abarted a should be made. (8) Checks, sales slips, receipts, abarted a should be made. (8) Checks, sales slips, receipts, abarted a should be made. (8) Checks, sales slips, receipts, abarted a should be made. (8) Checks, sales slips, receipts, abarted a should be made. (8) Checks, sales slips, receipts, abarted a should be made. (8) Checks, sales slips, receipts, abarted a should be made. (8) Checks, sales slips, receipts, abarted a should be made. (8) Chec

(7) Permanent record of these reconciliations should be made.
(8) Checks, sales slips, receipts, etc., should be numbered with a num

Unnecessary.

A hungry customer seated himself at a table in a quick-lunch restaurant at a table in a quick-lunch restaurant and ordered a chicken pie. When it arrived he raised the lid and sat gaz-ing at the contents intently for a while. Then he called the waiter. "Look here, Sam," he said, "what did I order?" "Chicken pie sah."

did I order?" "Chicken pie, sah." "And what have you brought me?" "Chicken pie, sah." "Chicken pie, you black rascal!" the customer replied. "Chicken pie? Why, there's not a piece of chicken in it, and never was." "Dat's right, boss-dey ain't no chicken in it."

"Then why do they call it chicken ? I never heard of such a thing." pie?

"Dat's all right, boss. Dey don't have to be no chicken in a chicken pic. Dey ain't no dog in a dog biscuit, is dey?"

associations or circles can be formed STOCKS OF WHEAT AND CORN ON FARMS, AND PRICES, MARCH 1, BY IMPORTANT STATES.

Millions of Bushels. Price, Cents. Millions of Bushels. Price, Cents. Pennsylvania		WHEAT.					t CORN,				
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cluded. 3. No potatoes that have even small spots of dry rot or that show the sunken discolored spots caused by late blight should be included. 4. Barrels should be well ventil-ated by cutting a liberal number of holes in their sides. 5. Shippers should insist that the potatoes be stowed in a cool, well venilated part of the vessel.