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PUBLIC SALE

OF VALUABLE

REAL ESTATE and PERSONAL PROPERTY

Saturday, January 15, 1955

On the premises located in the Village of Newville, two miles west of Elizabethtown.

A lot of ground 100 ft. by 150 ft. thereon erected a



2 1/2 Story Frame Dwelling
covered with asbestos shingles containing eight rooms. Electricity in house. Well of never failing water. Wood Shed.

Adjoining this property a lot of ground 100 ft. by 150 ft. thereon erected a

2-Story Frame Barn

Also at the same time and place the following personal property will be offered for sale:

Dining room suite; dinette set; plank bottom chairs; gas refrigerator; 4-burner Wincroft Gas Stove, apartment size, like new; Columbia Range; Estate Heatrola; room heater; Norge Electric Washer, apartment size, double tubs, pool bed, spring and mattress; two Simmons Studio Couches; Hollywood Bed; wooden bed, spring and mattress; two Washstands, one marble top; bureau; end table, extension table; card table; small tables; smoking stand, drop-head sewing machine; desk and bookcase; radio, clocks; highchair; rocking chairs; other chairs; linens; bed clothing; dress goods; throw rugs; rag carpet; set of encyclopedia; lot of other books; Eureka Electric Sweeper; small electric sweeper; electric lamps; coal oil lamps; copper wash boiler; ladies; forks; 100 piece set of dishes; cooking utensils; other dishes; garden tools; oil drums; empty jars and crocks; some canned fruit; lot of wood, cut length and split; and a lot of other articles too numerous to mention.

Sale to commence at 12:30 P. M., real estate at 2:00 P. M., when conditions will be made known by

Heirs of Lizzie Gladfelter
Lalia Kestrevic
Francis Gladfelter

Walter Dupes, Auctioneer
Landis & Garman, Clerks

Contour Tillage Makes Best Use Of Moisture

Dry spells during the past two growing seasons have set many farmers thinking about irrigation to off set the lack of rainfall. A look at water loss figures from the Experimental Station of New York and Pennsylvania will show that rain and irrigation water can be used more efficiently with contour tillage and strips cropping.

First let us look at the average annual rain fall in Lancaster County. If all the rain stayed put on the land and wasn't used or ran off, we would be waist deep in water for we annually get 41 inches of rain fall. This is enough water to grow our crops. Another interesting point is that the rain fall is rather evenly distributed over the year. Actually June, July, and August are the months with the highest average monthly rain fall, receiving 4.1, 4.6, and 4.5 inches respectively. These are the months that are generally considered to be the driest months of the year.

What happens to this rain when it reaches the farmers fields? We have observed that most of the run off comes from cultivated fields while not much water is lost from hay and pasture fields. For actual figures lets look at the results from a nine year study of plots in New York State. Here a well fertilized but ungrazed blue grass plot lost only 4% of the rain fall by run off. A grazed plot would have produced more run off. A hay strip on the same soil and slope lost 18% of this rain by run off. Now lets compare these grass plots with similar corn plots where 41% of the precipitation was lost in run off. Here on the clean cultivated fields is where most of the rain fall is lost.

The importance of water lost by run off is apparent from the disposal of the rain fall at Coshocton, Ohio for the year 1941. The studies were made on plots where all the water movement could be measured.

GRASSLAND

Rain — 41 inches

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CORNLAND
Rain — 41 inches
Runoff — 15 inches
Infiltration — 26 inches
Percolation — 3 inches
For crop land — 23 inches
Crop needed — 28 inches
Deficit — 5 inches

We have compared the amount of water lost from clean cultivated and grass plots now lets see what part the direction of tillage play in water loss. Tillage studies at State College, Penna., during 1936 to 1938 on corn plots show that the direction of cultivation was more important than any other farming operation. The three plots cultivated across the slope lost an average of 5.4 inches of rainfall or 14 percent. The three plots cultivated up and down the hill lost 6.9 inches of water or 18% of the rain fall got away.

Now combine the practices of contour farming and strip cropping. That is to farm in strips around the hill so that the rows are nearly level and have a strip of hay or winter grain between each cultivated strip. Measurements taken on plots farmed for three seasons at Cornell show the advantages. Contour strips each 104 feet wide of potatoes, oats, and hay lost 4 inches of rain fall and 15 tons of soil. A field 312 feet wide farmed on the contour but all cultivated lost 1.1 inches of rain fall and 1.26 tons of soil. The same field farmed up and down the slope or 312 feet lost 3 inches of rain fall and 15.5 tons of top soil. Here we can see that the grass strips helped reduce the run off and with the cultivated crop planted on the level each row held the water up on the hill so that it could be absorbed by the soil and stored for the use of the plant during dry seasons or periods.

The figures from State College, Pa. and Ithaca, N. Y., show the largest loss of rain as run off occurs during the period of May to September with the maximum occurring during the months of June, July, and August. It is during this period when water is so badly needed for crop growth and production that the water holding characteristics of the conservation practices pay off. Conservation figures give an increase of 10% in crop yields from water conservation alone. Even if a thorough study indicates that an irrigation system will pay, expensive irrigation water can be lost by run off on sloping land the same as rain water. A system of contour cultivation and strip cropping is a must for more efficient use of rain and irrigation water on sloping land.

Friday, January 7—at 10:30, a complete dispersal of entire milking herd of 85 registered Holstein Cattle at the dairy barn on Route 501, 4 miles North of Lancaster and 1 mile South of Lititz on the farm adjoining Lancaster Airport. Also milking equipment. R. D. Buckwalter. Dupes Auct.

Tuesday, January 18—a complete dispersal of 78 registered Holstein cattle, in Chester Co. on route 202 or 322 one mile south of West Chester on the Wilmington Pike. Also milking equipment. Sale at 11:30 a. m. by Leon Martin, owner, Harvey Rettew, sale manager.

Saturday, January 15, — A public sale of real estate and personal property, on the premises in Newville, 2 miles west of Elizabethtown. Real Estate includes a 2 1/2 story frame dwelling containing 8 rooms. Also a 2-story frame barn. Sale at 12:30 p.m. Dupes Auct.

Friday, February 4—a public sale of Livestock, farm machinery, and dairy equipment on the premises, 1 mile northwest of Morgantown, just off Routes 23 and 132. Sale at 10:00 a. m. by John S. and Abner P. Stoitzfus, owners.

Home Calendar

Timely Readers from The Pennsylvania State University College of Agriculture

Start Good Foundation—The child's first bias of human relationships depend on his early experiences with members of his family. The warmer, more affectionate, and more satisfying these relationships are, the more wholesome and constructive the child's attitudes will be.

Heat Frozen Squash— A good way to get frozen squash for serving is to put it in the top of a double boiler. Keep water in the bottompan boiling until the squash is thawed and heated through. Then season with butter, salt, and pepper and serve.

Note Kitchen Safety— Take time to turn handles of cooking utensils to the back of the stove. Keep knives and other sharp instruments out of reach of children. Use safe stepladder to reach high shelves and other storage places.

Wash Alone— White nylons should be washed separately. They have a tendency to absorb colors from apparently colorfast garments.

Use of Garb Salt— If you want to use garb salt in one of your favorite recipes, reduce the amount of regular salt by one half.

200 FILMS AVAILABLE

Over 200 films have been listed and can be requested thru the District Medical Office, Pennsylvania Dept. of Health, 126 College Avenue, Lancaster. Any organization, school, church or club, in Lancaster County, planning a health program for 1955, can reserve films without any rental fee. Selections can be made from a wide variety of health topics. Speakers, projectors and screen are also available for any interested group. Anyone wishing further information concerning the films or program planning should call Lancaster 3-3958 or write to the District Medical Office 126 College Avenue, Lancaster.

Patronize Bulletin Advertisers.

Census Of Business Forms Are Mailed

Report forms of the 1954 Census of Business are being mailed to Pennsylvania retail wholesale and service businesses, theatres and other amusement places, hotels and tourist courts early in January by the Bureau of the Census, Department of Commerce. The report forms are adapted to the various kinds of business and smaller firms need answer only a minimum of basic inquiries.

Approximately three million business firms throughout the United States will receive the 1954 census forms. Information collected in the census is confidential and will be used by the Bureau of the Census in compiling new statistics on business activities for the Nation, States and smaller areas for the first time since the results of the '48 Census of Business were published.

Selected figures for Pennsylvania from the 1948 Census of Business follow:

Retail Trade, 1948— number of stores, 129,896; Sales for the year, \$9,069,431,000; Payroll for the year, \$946,602,000. Wholesale Trade, 1948—Number of establishments, 14,565; Sales for the year, \$11,010,828,000; Payroll for the year, \$499,853,000.

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