Nationwide Food Survey Reported

animals available for feeding quired per pound of gain during of meat produced and the price Reporting Service point to another year of large the first 28 days on feed, com-red meat supplies and potential pared with over 20 pounds of downward pressure on prices of feed per pound of gain the last casses that develop when avergrain supplies are large and steers fed 308 days and marstock feeders in the past have 1,442 pounds tended to extend the normal Economic Research Service

generally declines as animals reach the desired grade. mature and gain weight since maintenance Consequently, pound of gain, and the cost of gain rises

and hogs as they gain weight is above this weight pointed out in the National Re- Individual livestock feeders tend to keep total meat producsearch Council's Reports on Nu- may experience different con- tion in line with effective detrient Requirements of Domestic version rates, and results may mand and strengthen livestock Animals These reports show the vary between different pens of feed conversion ratio for 600 livestock However, commercial pound yearling feeder steers is feed-lots which have kept recabout 67 to 1 as compared to a ords on feed requirements at their rate of returns by exercisratio of 8 3 to 1 at 800 pounds varying weights tend to confirm ing judgment in feeding liveand 11 2 at 1,100 pounds In oth- the foregoing illustrations. It is stock for market er words, two-thirds more feed clear that feeding to heavy is required to put on a pound of weights results in substantially gain as the animal nears 1,100 increased costs per pound of pounds than was required at 600 gain

in 1967 and the large number of only 6 pounds of feed were re- prices of the increased tonnage slaughter livestock When feed 28 days This was for yearling age slaughter weights increase prices are relatively low, live- keted at an average weight of has grown substantially in re

feeding period and market ani- men's Association has published sistent for all meats. Per capita mals at heavier weights Such a summary of data from vari- beef consumption increased action in 1968 may materially ous university studies and in- from 81 pounds in 1959 to over lower their rate of return, as formation from individual cattle 106 pounds in 1967, with fed beef well as cause some industry feeders throughout the U S consumption increasing from 45 wide problems, according to Ag- which show similar results pounds to 71 pounds Per capita ricultural Economists from the Generally, feed costs per pound pork consumption, on the other of gain in cattle more than triple hand, declined from almost 68 Feed is one of the major costs over a year's feeding period. pounds in 1959 to 58 pounds in in livestock feeding. A feeder's Furthermore, costs increase at 1966, before increasing to nearprofit is determined to a large an increasing rate as cattle are ly 64 pounds in 1967. Lamb and extent by his ability to convert fed to heavier weights. As the mutton consumption rose from feed into meat efficiently. The animals pass desirable market 4.8 pounds in 1959 to 5.2 pounds cheapest weight gains usually weight, the cost of gain becomes in 1962 but declined to less than are made when animals are critically high This clearly 4 pounds in 1967 young and in their fastest stage shows the profitability of marof growth Feeding efficiency keting cattle as soon as they

more energy is required for body more efficiently than either cat- in demand for beef, moderate back. more feed is needed for each conversion ratios follow similar utilized without serious price The following data illustrate conversion ratio increases about situation for pork, larger supchanges in feed conversion ef- 45 percent in the growing and plies tend to depress prices ficiency for livestock from in- fattening of 50 pound feeder pigs more itial feeder weights to normal to 225 pound slaughter hogs slaughter finish. Although de- About 28 pounds of feed were tailed information on feeding ef- required per pound of gain from ficiency of livestock kept beyond 50 to 75 pounds, 3 9 pounds from normal finish is limited, the data 125-175 pounds, and 41 pounds available show that efficiency of feed per pound of gain from continues to decline as weights 175-225 pounds A study a. North increase, often at an accelerated Dakota State University showed similar conversion rates up to The decrease in feed conver- 225 pounds, with further insion efficiency for cattle, lambs creases in feed requirements

In addition to incurring extra When cattle are fed to weights costs in feeding to heavy in excess of 1,100 pounds, the weights, other economic factors conversion efficiency ratio de- come into play and further reclines even more sharply. For duce returns to feeders and to example, in a University of II- the industry Of major impor-

Record feed grain production linois study of steer feeding, tance is the depressing effect on

The demand for meat in total cent years However, the growth The American National Cattle- in demand has not been con-

Because of the differing demands for each of the red meats, tle or lambs, the changes in feed increases in beef supplies can be patterns The National Research consequences However, with a Council data indicate that the relatively less favorable demand

> Livestock producers can benefit individually and as a group by giving careful consideration to costs and the advantages of moving animals to market at desirable market weights Any action taken to ease the pressure on livestock prices that would result from larger supplies—and from an over supply of unusually heavy animals will be beneficial Such action will prices throughout the industry Producers can reduce their own feeding costs as well as improve



lion, according to the State Crop down two percent

tory lists 1.8 million cattle, up and sheep at \$3 million.

Pennsylvania farms have a one percent from a year ago. livestock population of 24 mil- Hogs increased one percent to lion animals worth \$408.6 mil- 455,000 Sheep totaled 176,000,

The cattle are valued at \$390 The Service's animal inven-million, hogs at \$155 million

PUBLIC AUCTION

REGISTERED & HIGH GRADE HOLSTEIN DAIRY CATTLE **60 - HEAD - 60**

Sale to be held in the dairy arena at the Aberdeen Sales Company in Churchville, Harford County, Md., located on Md. Rt. 22, 6 mi. east of Bel Air, Md. (via U. S. Rt. 1) and 6 mi. west of Aberdeen, Md. (via U. S. 40 & 195 — Kennedy Highway) on

FRIDAY, MARCH 8, 1968

At 7:30 P.M. (night sale)

We will sell the complete herd of Fred Mills of Fallston, Md. This herd is home raised and has been using artificial breeding supply changes affect prices of for the past few years. Ten cows are recently fresh, several are Although hogs convert feed each differently With the growth close springers and the balance is in full flow of milk and bred

> We will also sell 15 fresh and close springers from one of our best local herds.

> Ten close springing holstein heifers will be sold plus other consignments.

> The following information will be available at sale time: freshening dates, breeding dates, due dates and milk weights.

> All cattle are T. B. Accredited, Certified Bangs Free and tested within 30 days of sale.

> A BALTIMORE MILK BASE of approximately 1000 lbs. will be sold. TERMS - CASH

> > ABERDEEN SALES COMPANY

Sale Managers Phone: 301/734-6050 Night: 301/734-7105 or 272-1368

Auctioneers: Kent R. Ferrell, Jr. John H. O'Neill

PUBLIC SALE

OF VALUABLE

Farm Machinery THURSDAY, MARCH 14, 1968

At 11 A.M. Sharp

At W. E. Fry Farm, Hellam, Pa. The undersigned will offer at public sale the following.

FARM MACHINERY

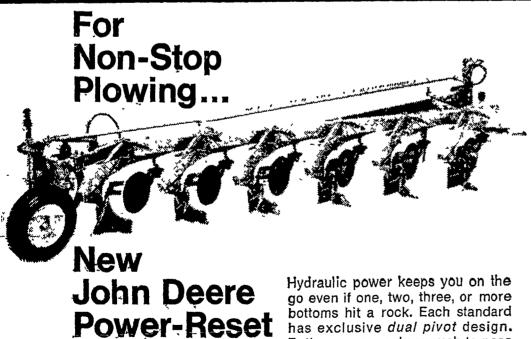
Farmall Super M tractor with power steering and remote control, Farmall Super C tractor with remote control, MH #33 Diesel, John Deere #B tractor, John Deere #45 self propelled combine with two row corn head and a 10 ft. grain head, John Deere #55 combine 12 ft. cut, Case combine with motor & bin, John Deere #25 combine with motor & bin, N. H. baler Super #77 PTO, J. D. 14T baler, J. D. manure spreader, New Idea manure spreader, Dunham 9 ft. cultipacker, J. D. K.B.A. 28 plate disc with new discs, two bottom 12" mounted plow, mower, cultivator, corn planter and tobacco hoer for C tractor, 1 four section vator, corn planter and tobacco hoer for C tractor, I four section spring harrows, 3 - three section spring harrows, Century sprayer, Ontario 16 disc grain drill, weed sprayer, J.D. #8 mower, Ontario drill, 6 ft. pulverizer, J. D. KBA disc harrow 24 disc, 2 J. D. 246 corn planters, J. D. 23B unit planter, 2 J. D. #290 corn planters. ers, J.D. #490 corn planter, J.D. #494A - 4 row corn planter, ers, J. D. #490 corn planter, J. D. #494A · 4 row corn planter, David Bradley and other farm wagons, 2 row Stauffer transplanter, J. D. 20 plate disc, 2 J. D. pull type 3-bottom 14" plows, 2 J. D. #55 3 bottom plows 14", 2 J. D. #44 2 bottom plows, Oliver two bottom 14" trip plow, IHC 3 bottom disc plow, J. D. 3 bottom disc plow, 3 J. D. 4 bottom 14" plows, J. D. disc tiller 8 ft., New Idea pull type mower, IHC 4 when spreader, MC chopper, Horn absorber 1 top Artury portable mixer Searce out sheller #925 chopper, I ton Artway portable mixer, Sears cyl. sheller, #225 Letz grinder mixer, dump trailer with racks, 2 IHC cultivators for IHC H, J. D. AB200 cultivators quick tach., hydraulic cylinder, light two wheel trailer, tobacco baler, 2 sets 14 ft. double tobacco ladders, 2,000 tobacco lath, 8 hole hog feeder, 2 wheel rubber tire trailer, McCurdy grain box #600 - 175 bu. capacity - new, new power saw, bench grinder, ½" electric drill, new tarpaulins various sizes, some small hardware, and many other articles too numerous to mention. If you need machinery, be sure and attend this large sale. Most of the above listed machinery is in good condition.

> Lunch available on the grounds. Not responsible for accidents on day of sale.

TERMS: CASH

HARRY STAUFFER **GENE FRY Owners**

Jacob A. Gilbert, Auctioneer Gilbert & Frey, Clerks



Plows

bottoms hit a rock. Each standard has exclusive dual pivot design. Bottoms move only enough to pass over the obstruction . . . then reset immediately. See us for semiintegral models in 5-, 6-, or 7-bottom sizes, choice of hitches, with or without an accumulator. Credit is

Landis Bros. Inc. Lancaster 393-3906

M. S. Yearslev & Sons West Chester 609-2990

Shotzberger's Elm

Wenger Implement Co. 284-4467

A. B. C. Groff, Inc. New Holland 354-4191