



THE SOUTHDOWN SHEEP

This breed which is unsurpassed for quick growth and early maturity is justly famous the world over. Pictured here is the Southdown Ram which was awarded the First Premium, in its class, at the second "Royal" held at Cambridge, 1840.

PRESENT-DAY types of Britain's world-famous livestock have been developed by patience, study, selection and research. This is equally true of Fisons Fertilizers.

It's Fisons for Fertilizers

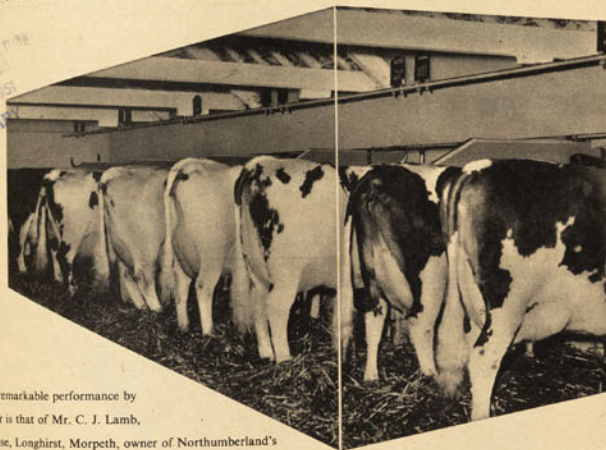
FISONS LIMITED • HARVEST HOUSE • IPSWICH



VOL. XXIV, No. 18

(REGISTERED AT THE G.P.O. AS A NEWSPAPER)

SIXPENCE



Yet another remarkable performance by a Silcock user is that of Mr. C. J. Lamb, Fawdon House, Longhirst, Morpeth, owner of Northumberland's highest-yielding Ayrshires in the large-herd section of the 1949-50 Milk Records. The Lammac herd was started as recently as May, 1948, with bought-in heifers, and the cows were therefore only second-calvers last year, yet on twice daily milking the average yield for 12 full-time cows was 11,071 lb.; and of 12 heifers no less than 10,082 lb. Now, as third-calvers, the indication is that this record will be exceeded during the present Recording year. Not only is this outstanding young herd Silcock-fed, but the Silcock Advisory Service was responsible for its rationing.



Especially even distribution is yours
with the **TULLOS-WILMO 6-Disc**



MANURE Distributor

by means of Patented Spinner Flywheel. Designed for use with all classes of fertiliser, also machine also handles Green, Clover and Grain Seed.



When fitted with Thruster Blades and Windshield the TULLOS-WILMO 6-Disc Manure Distributor will also work with inorganic and granular fertiliser. Annual delivery of 100 tons of manure can be made by this method of Pat. Renewal which makes cleaning easy.



DELIVERED

Telegrams: "Agricola Aberdeen" Telephone: Aberdeen 29133

TULLOS LIMITED
ABERDEEN
SCOTLAND

DESTROY WEEDS FAST

The modern way of the **HAUCK FLAME-GUN**

The Hauck Flame Gun is a simple, efficient, and powerful weed-destroying device. It is easy to use and can be used in a variety of situations. It is a must-have for any farmer or gardener.

"SELECTIVE Weed Killer"

Copper Chloride is recommended for control of a number of common weeds. It can be supplied in solid form, as crystals, or as concentrated solution.

Particulars on application. Pumps delivered.

Thomas Tyrer & CO. LTD.

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Telephone: Maryhead 4816

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"GARDWELL" GROOMING BRUSHES

Bring the fullest satisfaction—because they are hand-made from the finest materials obtainable, and long-lasting cheap, inferior brushes by giving maximum service in comfort and stable.

DANDY WHISK (as illustrated) 6/6 each
DANDY INDESTRUCTIBLE 6/6
WATER BRUSH—BAHIA BASS 6/2

There is a "Gardwell" Brush for every job in farm and dairy, and it will be a pleasure to send you our catalogue free on request.

IF YOU HAVE RATS GIVE THEM A BISCUIT

VETERINARIAN RAT BISCUITS are the most effective rat poison. They are easy to use and can be used in a variety of situations. They are a must-have for any farmer or gardener.

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WEDNESDAY, MAY 16
At 11 a.m. 1000 Pounds of Mixed Grain, 1000 Pounds of Mixed Grain, 1000 Pounds of Mixed Grain.

FRIDAY, MAY 11
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THURSDAY, MAY 17
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The Farmers Weekly

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Rate: £3 per inch.

HENRY MANLEY & SONS, LTD.

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The ideal LORRY for Farm work

This long-wheel-base 5-ton Morris-Commercial is surprisingly easy to handle because, although fitted with heavy-duty steering, it handles like a car. The robustly constructed 16 ft. 6 in. body has full drop-back and two-piece sides. Powered by a four-cylinder long-stroke petrol engine or Morris-Commercial Saurer six-cylinder diesel unit, this remarkably efficient vehicle can deal with heavy loads over high yearly mileage at surprisingly low fuel and maintenance costs. Write for fully descriptive literature.

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Compost is ready for sowing. No
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simply sow seeds. Only 4 lbs. depth
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Norman House, 105-109 Strand, London, W.C.2

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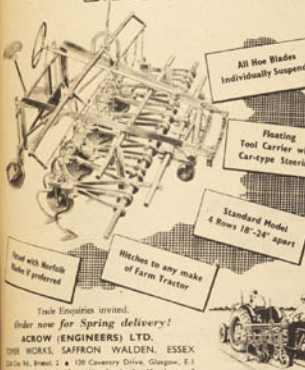
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hay
or
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- Floating Tool Carrier with Car-type Steering
- Standard Model 4 Rows 18"-24" apart
- Hitches to any make of Farm Tractor
- Used with Mulch Holes preferred

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Order now for Spring delivery!
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Thou trusteth
He trusts
We trust
You trust
They all trust

TrussTight

BALER & BINDER TWINES

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Order from your local merchant today.

it's the twine of the times
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SHEPHERD, LONDON, S.E.8.



Nash and Thompson Ice-bank milk cooler

* reliable
* economical

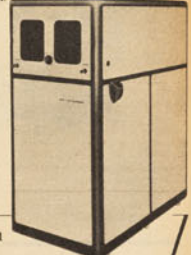
OPERATION
120 gallons of water in an insulated tank is slowly refrigerated by a 1 h.p. two-cylinder unit, until a bank of ice is formed. This ice bank is maintained automatically at a constant thickness, so that chilled water is always available.

CAPACITY
Cools up to 150 gallons a day in two milkings. Can be used with either surface or in-churn coolers.

- SPECIFICATIONS**
Height: 5'. Length: 4'. Width: 2' 4".
Finish: easy-clean white enamel panels on stout wooden frame. Consumption: approximately 14 units a day.
- * Easy to clean; quickly serviced.
 - * Simple, reliable and economical.
 - * Automatic, trouble-free operation.
 - * Robust, soundly-engineered construction.
 - * Constant cooling rate summer and winter.
 - * Guaranteed and serviced free for one year.

PRICE

Standard model **£180** Complete
Units and controls to individual specifications—prices on application.



Nash and Thompson

(LIMITED)

OAKCROFT ROAD • TOLWORTH • SURREY

No. 18. SEMI-MOUNTED POWER-DRIVE MOWER

Rigidly coupled to the tractor by a variable torque coupling. Mower blades advantageously fold down when not in use. Drive from the power shaft by two steel sprockets and precision roller chain running on an oil bath. Additional safety clutch.



SWATH TURNERS

Reversible Turning Heads. Horse or Tractor draft. Two uses. Fixed with forward control for tractor draft.



THE FAMOUS 1A BINDER

Everyone knows the famous 1A Binder. An illustrated leaflet giving latest details of this splendid machine sent on request.

Also
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HAY BARKS

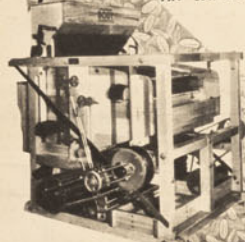


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"By BOBY"

AN EXPRESSION OF CONFIDENCE



The three-screen grain and seed cleaning machine ensures minimum loss in cleaning. The separation of tail corn provides a valuable foodstuff.

**CLEANER
GRAIN
AND
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If you are harvesting by Combine this year, however large or small your acreage, there is a Bobby machine to clean your grain and seed economically—and go on doing so for many years to come.

For the small grower

The "Bedford" is specially designed for small parcels of grain and seed. It is portable and compact, measuring only 3 ft. 9 in. high, 3 ft. 3 in. wide and 4 ft. 8 in. long. Its convenient height allows for easy feeding.



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Simplex BAIL MILKERS AND DAIRIES

solve the problem of unsuitable buildings.

In the absence of suitable permanent buildings, SIMPLEX Skid Bails offer instant and economical facilities for producing clean milk. Although fully mobile, so that the advantages of machine milking can be taken to distant meadows, they can be satisfactorily mounted on a concrete raft in the farmyard. SIMPLEX Skid Bails are available in two types—one for milking four cows simultaneously, the other for two cows, but complete with fully equipped dairy. Illustrated literature will be sent on request. Also Runway Recorder, Portables, Releasers, Cowstalls, etc.



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PROTECT YOUR ASSETS

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Farming Implements and Machinery are valuable assets. Efficient lubrication represents a big factor in their preservation as well as in the efficiency of operation. Where dirt is begun to nest, caked Agricultural Machinery is concerned, a system is needed which provides for the ejection of gummy degraded grease and the conveyance of clean lubricant direct from the source of supply to the heart of the bearing. Tecalemit specialised equipment for the Farm, the Gun Filler attachment, Volume Pump and Gun Compound have been specially designed for this purpose. Let us send you fully descriptive literature.

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The Authority on Lubrication

LUBRICATION AND
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Complete
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in a few seconds



The LAYCOCK "Coronation" Electrically operated Lift is ideal for all farm vehicles, tractors, trailers and other implements. Its use enables them to be quickly elevated for greasing and servicing.

The life of such vehicles depends on regular and adequate maintenance and lubrication.

The CORONATION Lift is bolted to any even surface, and no excavations are required.

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THE
ONE—MAN
TWO—MILES-A-DAY
TROUBLE-FREE HEDGE CUTTER

With 14 years' farm experience built into it, the robust McConnell-Gilmour will keep going on the longest job and never fail. Put on to almost any make of tractor in 20 minutes; as easily removed.

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However hard the conditions of service may be Connolly pneumatic axle units will give a continuous and efficient performance.

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The Bloor range of industrial and agricultural equipment includes POWER DRIVEN MOWER SPREADERS, CAPSTOCKS up to 3 tons. Electric and petrol driven PUMPS, ploughs and centrifugal types. DIESEL ENGINES from 3 to 14 h.p., single and twin cylinders. Full details on application.

GREEN CROP LEADER
Without doubt the best on the market today. Robustly constructed of the finest materials with welded joints. Heavy-duty roller-bearing crankshaft. Robust timing belt. Bearings to crankshaft and timing to bearings, almost unbreakable. Maintenance free. Fully applied for greasing. Balanced weight distribution for efficiency on all gradients. Price £107 10s.

MOWER SPREADER
Model M.S.40 Landwheel Drive 2 tone capacity. A most successful machine of sturdy yet simple construction, giving many years of reliable service under the most arduous conditions. Price £157 10s.

THE PICK-UP ROLLER
is the latest development in this class of implement and is the result of thorough market research and quality craftsmanship. The machine has been designed for hard wear and tough conditions and provides rolling and greasing are essential. It will give many years of good service. The implement will pass through a standard 10 ft. gate.



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WOORE, N.R. CREWE, CHESHIRE
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The Wise Farmer knows that Phenoxylene 30 is



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the most economical and reliable hormone-type weed spray for preventing losses in corn or grass through weeds. He knows too that the Weedmaster is the sturdiest tractor-mounted low volume sprayer and the best value for his money.

That's why you too will, sooner or later, invest in these crop savers—they're made for each other and made for economy's sake.

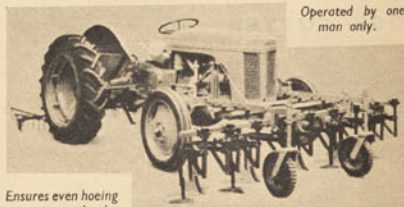


THE WEEDMASTER

PEST CONTROL (UK) LTD
OF CAMBRIDGE

HEREWARD BEET HOE

Each hoe blade independently mounted and sprung to follow the contour of the ground



Operated by one man only.

Ensures even hoeing on uneven land.

Equally efficient for Mangolds, Parsnips, Peas, etc.
Can be supplied for most makes of Row Crop Tractors.

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CAMBS.

Thousands of farmers are now planting their potatoes **FASTER AND BETTER—** **with a ROBOT planter!**

This season, farmers on large and small acreages, are saving precious time and money with a Robot potato planter. Working on the previously ploughed and

harrowed land, the Robot opens the furrow,—plants the potatoes,—if preferred sows the fertiliser—and then completes the job by ridging up All-in-one-operation!



Robot 2-row Potato Planting Attachment that fits any power-lift ridger.



Robot 3-row power-lift Potato Planter for use with the tractor power-take-off.



Robot 1-row trailer type Potato Planter with a fertiliser distributor. This machine is available with an extra large potato hopper with a seed capacity of 1 cwt.—replacing the seed and fertiliser hoppers on the standard machine.



Robot 3-row Potato Planter, with or without a fertiliser distributor. This machine is land wheel driven and operates on the tractor hydraulic power-lift. Tested and officially approved by Ford Motor Company Limited.

In addition to the above illustrated machines there is also a Robot 2-row trailer model, and a Robot 2-row power-lift model. Both machines are available with or without a fertiliser distributor. Chitting Tray platforms can be fitted to any Robot Potato Planter.

Write to the Machinery Manager for leaflets and prices of Robot Machines.

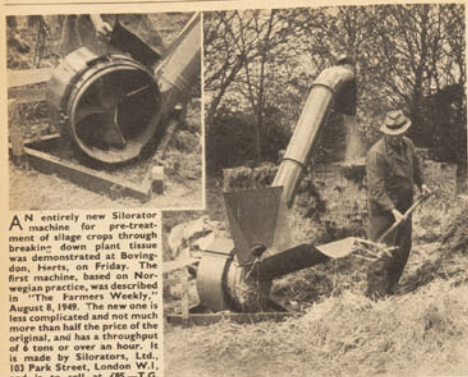


ORDER NOW!

TRANSPLANTERS (ROBOT) LTD.

Sturridge, near St. Albans, Herts.

Telephone: St. Albans 4360/2



A N entirely new Silorator machine, a pre-treatment of silage crops through breaking down plant tissue was demonstrated at Bovingdon, Bucks, on Friday. The first machine, based on the Norwegian practice, was described in "The Farmers Weekly," August 8, 1949. The new one is more than half the price of the original, and has a throughput of 6 tons or over an hour. It is made by Silorators, Ltd., 103 Park Street, London W.G., and is to sell at £85-7-6.

R.A.S.E. FORAGE HARVEST CONTESTS: REPORT

Good Performance Despite Weather

IN an official report issued on Tuesday the R.A.S.E. state that their 1950 forage harvesting machinery competitions (The Farmers Weekly, Sept. 29, 1950) were an unqualified success.

They stimulated development of the types of machines concerned, while the carrying out of performance trials under comparable conditions has been welcomed by both manufacturers and farmers.

The competitions, in which the R.A.S.E. offered £5,000 prizes, covered machines for collection and disposal of hay and straw from the windrow; for collection and disposal of green crops for silage or artificial drying; from the standing crop, swath, or windrow; and prototype machines for any purpose directly connected with collection or disposal of hay, straw, or green crops.

Set Tests

The trials were held on Mr. J. R. Warburton's farm at Shillingdon, Oxon, and on other land nearby. Entries in production classes were tried out in June and September, and prototypes in September only so as to give maximum time possible for development.

Set tests consisted of a one-hour recorded run, followed by an unrecorded run of not more than half an hour. In production classes machines were liable to disqualification if they were not scheduled starting time, or if they afterwards stopped work for more than half an hour. All

Overseas Round-up

A PILOT survey of about 10,000 acres of elephant grass-covered highland has been made in East Sumatra where Dutch officials are investigating the possibilities of agricultural machinery. This type of land is considered well suited for a mechanized system of farming.

Finnish dairies produced 20 per cent. more milk and 10 per cent. more cheese last year than in 1949. Butter, cheese and margarine prices have been subsidised as part of a measure to keep below a ceiling of living index ceiling, which, if passed, would validate further wage increases.

A new Federal Statute for Agriculture protects Swiss farmers not only against the same foreign produce as their own but also against a competing character. For example, to protect Swiss apples, peach imports will be banned.

Venezuelan cattle breeders are complaining that 100,000 tons, ready for market last year, remain unsold. Higher prices for cattle sold for slaughter and milk production subsidies are being sought.

Because Ontario growers and processors could not agree prices and contract terms for this year's crops of tomatoes, peas and corn had to be settled by separate Arbitration Boards for each crop. Asparagus terms were settled by negotiation.

Green values of the crops covered passed eight million dollars.

To encourage wheat production in Portuguese East Africa, the Colony's Government is to enable this year's wheat harvest machinery to farmers and make good seed available. Irrigation schemes are to be started.

For page 35 for further news items.

DUTCH DUSTER

DESIGNED originally in Holland, but now in production with British engines for the U.K. and overseas.

It is a tractor-mounted machine for spraying and dusting was demonstrated at Tetbury, Glos., last week. Makers are Universal Crop Protection, Ltd., Batic House, Leadenhall Street, London E.C.3.

Main machine was a combination sprayer and duster—the Whirlwind—and it was shown operating successfully with nozzle and boom fittings.—T.G.



(Below) The outfit, on pneumatic tyre trailer, applying dust. A 3 h.p. petrol engine drives machine's blower and a simple clutch brings in a centrifugal pump for liquid application. The liquid tank at the base of the machine holds 25 pails, and the dust hopper 1 cwt. powder. (Right) Boom carrier layout allows damage, and coil spring mounting (centre) gives floating and damping action, but spring must not suffer harm on rough ground through meeting obstruction.

MORE AND HEAVIER PIGS PER LITTER

Results of Bucks A.E.C. Recording Scheme

A LITER variation in the Bucks A.E.C. recording scheme (see page 34) has been shown by results announced as follows—

Litter weight. 1 T. Colston, 80 pigs, 200 lb. (1949); 2 T. Colston, 80 pigs, 200 lb. (1949); 3 T. Colston, 80 pigs, 200 lb. (1949); 4 T. Colston, 80 pigs, 200 lb. (1949); 5 T. Colston, 80 pigs, 200 lb. (1949); 6 T. Colston, 80 pigs, 200 lb. (1949); 7 T. Colston, 80 pigs, 200 lb. (1949); 8 T. Colston, 80 pigs, 200 lb. (1949); 9 T. Colston, 80 pigs, 200 lb. (1949); 10 T. Colston, 80 pigs, 200 lb. (1949); 11 T. Colston, 80 pigs, 200 lb. (1949); 12 T. Colston, 80 pigs, 200 lb. (1949); 13 T. Colston, 80 pigs, 200 lb. (1949); 14 T. Colston, 80 pigs, 200 lb. (1949); 15 T. Colston, 80 pigs, 200 lb. (1949); 16 T. Colston, 80 pigs, 200 lb. (1949); 17 T. Colston, 80 pigs, 200 lb. (1949); 18 T. Colston, 80 pigs, 200 lb. (1949); 19 T. Colston, 80 pigs, 200 lb. (1949); 20 T. Colston, 80 pigs, 200 lb. (1949); 21 T. Colston, 80 pigs, 200 lb. (1949); 22 T. Colston, 80 pigs, 200 lb. (1949); 23 T. Colston, 80 pigs, 200 lb. (1949); 24 T. Colston, 80 pigs, 200 lb. (1949); 25 T. Colston, 80 pigs, 200 lb. 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Pens poised. Mr. John Edwards (right) head of the British trade delegation to the Argentine, and Argentine Foreign Minister, Hipolito Paz (left), prepare to sign a new pact that will give Britain more Argentine live stock. The agreement ended a ten-month deadlock over Argentine demands for higher prices. Watching the ceremony are Eva Peron (centre) and her husband, Argentine President Juan Peron.

SPRING LAMBS: 1952 BONUS

Increases To Encourage Level Marketing: Calf Prices To Come

FURTHER details of the increases in prices of livestock, decided principally with a view to encouraging a more even spread of marketing throughout the year, have been jointly given by the Ministries of Food and Agriculture.

For clean culls the price difference between the top and bottom prices for grades "A" have been raised by 2s. to 18s. per cwt. A similar increase in prices for 2bs, giving a price range of 20s.

To bring the lower grades of cow butters more into line with prices of cows, differences between cow butters and steers and heifers grade have been increased.

A manufacturing grade for cows has been introduced. The certifying authority will decide whether cows weighing 850 cwt. or less net live weight will be estimated killing-out percentage of not less than 50 per cent. or less than 53 per cent. are fit only for manufacturing purposes.

A first price of 15s. 6d. per live cwt. will be offered for manufacturing quality with the Ministry bearing all the risks. Producers, however, will have the option of having the animal taken under owner's risk procedure.

More For Unshorn Sheep
The new sheep and lamb prices have been designed to encourage hill sheep farmers, winter feeding and the production of best quality lamb and mutton.

From January next a bonus of 6d. a lb. will be paid between January 1 and June 30 for spring lambs which are estimated to be not more than 16 weeks old and to yield first quality carcasses of not less than 26 lb.

Because of current high prices of skin wool, an additional allowance of 3d. per lb. dressed carcass weight will be made on all classes of sheep and lambs except sucking, lambs purchased unshorn during the period when separate prices for shorn and unshorn sheep operate.

Lower prices for rain lambs

will commence on October 15, a fortnight earlier than usual. As from September 2 pigs showing fleshy taint will not qualify for the full quality premium. On the same date grading will be introduced for one year for educational purposes only.

Subject to consultation with the N.F.U., the Ministry of Food proposes to amend the existing quality premiums as from April 1952, so that the premium would be payable only if the animal was up to a specified standard of conformation.

Revised prices for calves are still under discussion. In the meanwhile last year's prices remain in operation.

Trowbridge U.D.C. has accepted the tender of a Swindon firm of £13,606 for improving and enlarging Trowbridge Market.

NO CUTS IN SUPER

Board of Trade Allocates Sulphur Supplies

ALLOCATION schemes for the problem which British industry has to face today. Difficulties became much more severe at the beginning of this year.

Allocation of sulphur from the U.S.A. for the last quarter of the year amounted to a rate of 90 per cent. of their total 1950 consumption. In the case of the superphosphate industry, however, the quantity of sulphur acid allowed will remain at the present level of approximately two-thirds of capacity.

Fertiliser Difficulties
Speaking at the opening ceremony at Platts' Immingham factory for producing triple superphosphate last Friday, Mr. Hervey Rhodes, Parliamentary Secretary, Board of Trade, said the fertilizer industry, as the biggest single user of sulphuric acid, has been particularly difficult position. He regretted that it would not be possible to alter the distribution of the present rate of supplies of sulphuric acid for this purpose.

The sulphur shortage, he added, was perhaps the greatest

FOLDED POULTRY LOSE MONEY

Harper Adams Results Show Winter Deficit of 2s. 8d. per Bird

SUMMARISED results of egg production, under various systems of management, have been made known by Harper Adams Agricultural College and the Agricultural Institute of Poultry Husbandry, Newport, Shropshire.

In the built-up litter section the output of eggs per hen, for the six lunar months ended February 21, was 56.34 (20 per cent. of possible production) for 307 hens. Food consumption was 4.57 oz. per hen, but 17.27 cwt., or 3.2 per cent. Salable, culls numbered 53 (10.7 per cent.). Distribution of labour was 50 minutes per day.

12 Tons Manure

Estimated weight of manure deposited in the house in the first six months was 12 tons. Net profit per hen on original number housed was 12s.

The Institute points out that figures of net profit per bird in this and other sections are subject to certain qualifications. In the case of yardings a large part of the net profit was due to a paper appreciation on the value of the birds due to costing the birds at 2s. 6d. per bird in September last year at 1s. 3d. per lb., the prevailing price, and valuing at 1s. 3d. per lb. in the present six months at the prevailing price of 2s. 6d. per lb. In the case of light-broody culls, 6s. 3d., or thereabouts.

In a review the Department estimates world sheep population at the beginning of 1951 at 782,000,000 head, as compared with 734,000,000 a year earlier. The pre-war average was 749,000,000 head.

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TWO-YEAR-OLD COLT WINS AT AYR

Second Day Interest in Clydesdales

At the second day of Ayr Show this afternoon, interest in the Clydesdale yearling sale was keen. The champion was a two-year-old colt, named "The Ayr Ayr", owned by Messrs. W. J. Thomson, Hythbank, and bred by Hillside Sheep Union. Reserve champion was a two-year-old colt, named "The Ayr Ayr", owned by Messrs. W. J. Thomson, Hythbank, and bred by Hillside Sheep Union.

CROSS HERFORD
BULLOCK TO £53
At Messrs. William Brown, Perth, a two-year-old cross Herford bullock to £53, sold for £45. The lot was made up of 100 per cent. of the best of the breed, and was a very good example of the breed.

After a long judging of the Ayrshire "Derby" at the Ayr show last week the judges picked Round Bush Molloy 2nd as champion Ayrshire of the show.

ROOTHING PIGS TO £210
Keen Demand at Noted Herd Sale
Brings Ten 3-Figure Prices

A successful sale of a selection of 90 grade T.T. Large Black Pigs from the Pingle herd, the property of Messrs. H. & B. Harris, Messingham, near Scunthorpe, was held recently by H. H. Morris, Auctioneer, Skeaford.

Buyers were in attendance from a wide area and the sale attracted a large number of interested parties. Satisfactory prices were realised throughout. Bullocks were spirited for the Pingle Gown family, two of the June girls realising 115 and 100 gns. respectively. Another family in demand were the Pingle Gladys which realised up to 98 gns.

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PINGLE HERD SELLS WELL

Gift Top Sale at 115 Gns.

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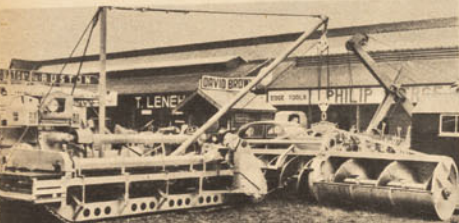
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A HARD WINTER REDUCES STOCK

FROM THE MACHINERY PARK

BOTH large- and small-scale use equipment was on display at the Dublin Spring Show which opened on Tuesday. Particular emphasis was laid on implements for land reclamation work, for the Eire Government is endeavouring to forge ahead with as much as possible. Visitors saw the giant equipment used to the mountain land for arable and pasture. There was ample evidence of the men doing the work, and from official figures, of the tremendous scale of the country's agricultural renaissance. These exclusive "Farmers Weekly" pictures show some machines now available on the Irish market.



A giant peat or bog stripping machine specially designed to clear spongy land surfaces ahead of drainage tackle. Rubble and turf is side-delivered. Running on broad crawler tracks the machine is "Cietrac" powered.



Farmers as well as contractors were keenly interested in the "Skip-doo", priced at £575, powered by a 15 h.p. Petter diesel engine. Its bulldozer blade measures 4 ft. 6 in. and the rear bucket is interchangeable with a carrier platform. Makers, Messrs. A. Wiseman & Co. of Birmingham. Rubber jointed flexible tracks are a special feature.



(Above) A diesel tractor making its first appearance—the German built "Gardiner", 30 h.p. "Fah". Price is about £1,000. It has five forward gears and three-point linkage. (Right) The "Bisset" semi-mounted binder is provisionally priced at £238. Its rear part is carried on two castor wheels and the cutting platform is hinged to fold vertically for transport and storage. Drive is by the tractor p.t.o. shaft. The front bogey wheels are attached to move the machine when uncoupled.



Mounted on the new International Harvester T.D.14A crawler, the Hough Tractor Show completed a combination sale for the first time and priced for the Irish market at £4,850.

Cold East Winds—but Attendance Near Level A.A. Classes: Some Herford-Paenung

ON the coldest May Day remembered in Eire, the Dublin Society's Spring Show opened at Ballsbridge on Tuesday.

Despite frequent patches of sunshine there was a strong wind and but for the shelter provided by the permanent sites, attendance would have been an even lower figure.

Near-normal crowds arrived in time to see the top prizes of an early start on a list of entries which topped the record of 1,538 by more than 100. Including light horses, poultry the 1951 figure reached 1,638.

In the livestock classes increased sheep numbers sent the overall figure higher. On account of a fine Suffolk turnout they stood at 189, compared with 136 last year.

The cattle position was reversed with only 598 instead of the previous 614. Pigs with 117 Irish Large Whites were approximately level with average years.

Once again this early event did not produce an overall run of quality to compare with displays staged later in the season. Both cattle and sheep classes nearly all failed off with a quota of shabby entries. As many Irish breeders explained, their winter and starveling spring meant as tough a fight for fodder and feedstuffs as experienced anywhere in the United Kingdom.

Beef Cattle

Despite a lean time, however, the general style of the beef sections went through the judging rings commendably.

Except for a few heifers disappointed in make and quality, their stony ribs did not suggest equal with the much improved ones the breed has recently shown in England and Scotland.

Dairy Cattle

The dairy cattle were rated "better on all counts than have been evident at Dublin for many years. The Arabian breed was very satisfying and light turnout at the Dublin show was a contrast to the last year. Against best of their changes the best of the year was the best of the year. The best of the year was the best of the year.

British Friesians also made a great advance on their Irish rivals. At the Dublin show the best of the year was the best of the year. The best of the year was the best of the year.

The Kerry Cattle Society is to be congratulated for the high standard of their entries. Following their revival, they have shown a marked improvement in their entries. The best of the year was the best of the year.

A very commendable turnout of sheep was also seen. The best of the year was the best of the year. The best of the year was the best of the year.

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QUALITY AT DUBLIN SPRING SHOW

British eyes. The longwools and Border Leicester were regrettably rough and the Suffolk failed to impress except by quantity.

The Galway breed had ewe and ram lamb classes in better order than their shearings, but collectively the breed showed signs of hard wintering in every pen.

Similar criticism was levelled at a fair master of Shropshires which, like most of the breeds, appeared most attractive in the lamb pens.

The Pigs came out well. They were entirely Irish Large Whites and every class was a credit to the breed compared with previous year's showings. Best of them was a good looking boar, Gallagher's Dandelion 2nd of Ballymakilly, bred in England and shown by Mr. David Shackleton of Connolly. He was well grown out at 25 years and carried the signs of an active stock getter. By a Littleham sire and out of a Histon dam he made a worthy champion.

CATTLE CHAMPIONS

Shorthorn—H. S. G. Maud's champion, Golden Miller, sired by Mr. A. R. Gaud, sired by Mr. A. R. Gaud, sired by Mr. A. R. Gaud.

British Friesian—D. Caldwell's champion, Lord Kelvin, sired by Mr. A. R. Gaud, sired by Mr. A. R. Gaud, sired by Mr. A. R. Gaud.

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The cold winds put a premium on the shelter provided by the permanent showground at Ballsbridge. A view of the ring during cattle judging.

Thurso Stores

All the premier awards—the conditioned and yearling cattle championships and reserve championships—were won by Mr. A. R. Gaud, sired by Mr. A. R. Gaud, sired by Mr. A. R. Gaud.

British Friesian—D. Caldwell's champion, Lord Kelvin, sired by Mr. A. R. Gaud, sired by Mr. A. R. Gaud, sired by Mr. A. R. Gaud.

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850 GUINEAS FOR SHORTHORN BULL

Strong Bidding at Gwbert Herd Sale

AT stock at Old Castle Farm, Llanidloes, Messrs. John Thornton and Co., in association with Mr. J. J. Morris, sold the entire Gwbert herd of Dairy Shorthorns, the property of The Waulgill Estate Co.

Twenty-seven pedigree cows and served heifers were quickly sold to return an average of £24 2s. 2d. A bunch of empty heifers who had wintered out were sold at prices varying from 30 to 55 gns. and 18 averaged £46 15s. 6d. Thirteen Grade Register cows and heifers were next offered, returning an average of £20 10s. 3d. apiece. Prices ranged from 20 to 78 gns. in this section.

The highlight was reached when the 2½-year-old stock bull Whistler Lord York 10th was offered. It was soon obvious that he was going to command a high price.

Goos to Staffs

When the bidding was taken over 800 gns., only two people were left in the running. Eventually, the successful purchaser at 850 gns. was Mr. F. H. Mercer of Staffordshire. Altogether 50 animals were sold.

GREY GUERNSEYS

Eighty guineas was paid by Mr. C. C. Foyar, a Notts buyer, for a calved cow entered by Mr. S. R. Bond at a new sale of Guernseys last week. Mr. Foyar also secured for 87 gns. a Jersey in calf cow entered by Mrs. E. H. Wilson.

Two Guernsey heifers entered by Mr. J. Bailey were knocked down for 77 and 78 gns. respectively to Mr. W. H. Lowe and Sons and Mr. A. Birchall. In the non-attended section freshly calved cows sold to 62 gns. The sale was conducted by Henry Maudslayi & Sons, Ltd.

Messrs. Nock, Deighton & Son had an entry of 1,800 home-bred Herford and first-crown bullocks and heifers at Bridgeforth annual May Fair. An excellent trade prevailed throughout with bullocks making up to £75 and heifers £72 10s. Top price per cow was 154s. 6d. realised for a bunch of 20-month-old outlying Herford bullocks from Mr. J. E. Halloway.

Heifers made up to 136s. for a bunch of 20-month-old outlying Herford heifers from Mr. J. E. Halloway. Heifers made up to 136s. for a bunch of 20-month-old outlying Herford heifers from Mr. J. E. Halloway. Heifers made up to 136s. for a bunch of 20-month-old outlying Herford heifers from Mr. J. E. Halloway.

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FERGUSON FIGHTS BATTLE FOR FOOD



Miss Sheila Brown, 18-year-old agricultural contractor of Chesham, Bucks., works far into the night to complete farm cultivation held up by the wettest Spring for 80 years. The ease of handling her Ferguson equipment is a big factor in her ability to work such long hours without fatigue.

All over Britain, farmers are trying to make up for lost time. On their success or failure depends Britain's food. And their success depends on mechanisation. Of all machinery that can help the farmer in this crisis, the Ferguson System of complete farm mechanisation can help him most.

Because they develop greater traction and penetration without excess weight, Ferguson tractors and implements can get on to the land sooner than heavier tractors—and without harming it. They enable young and old to do more heavy work with less fatigue, in less time. Most implements can be operated by one man from the driver's seat. Automatic protection against damage to implements from hidden obstacles prevents breakages and costly delays.

All over the country, farmers are being helped by the Ferguson System in the Battle for Food. And they are being backed up in every possible way by the Ferguson Dealer Organisation and the Ferguson System of Service. Above all, at a time when non-stop work is vital, their on-the-spot service is keeping Ferguson equipment in running order round the clock.

TO BEAT THE FOOD CRISIS

Farm Faster with Ferguson



Ferguson tractors are manufactured for HARRY FERGUSON LTD., COVENTRY, by The Standard Motor Company Limited.

Between now and harvest there will be an unending stream of work on A. G. STREET's new farm—pulling down old fences and erecting new ones, concreting roads, repairing a pipe here, a drunken gate post there as well as cleaning out the buildings—

AND A HOST OF RATS

It is, very definitely, the most difficult spring my experience, we managed to finish the work by the end of the week. I prefer to do that at least, as I can make up for any slackness this season, and am not so worried as I was about the state of things. There was a great deal of persuading them to work overtime or at week-ends, but I could not have stopped them if I had tried. When I realise how generously they have put my back to their gardens, I am very grateful.

The other asset was, of course, the mechanical tackle. Counting a hand-drawn vehicle on one, I had and did put five tractors in the field. This enabled us to keep the work going, even although certain bits had to be changed. But every day for a fortnight it was a case of working on a field in the morning, and then a grand transformation on the night.

And already the weather, unaided, was the same—almost too much so. I was told that it was on the third fine day in April, before some rain would be seen.

It was a drought and prayer for rain. If I meet him, I'll tell him. To which I replied: "You'd better begin on me, as I don't want rain badly before my time." And we did.

And that was a quagmire on wheels. I was either a dust heap or a mud heap on April 25. One day the horses got bogged down and had to be winched out; three days later a case of longwalling was going in order to fine down the soil.



Ferguson 2-furrow ploughs are easily converted (as here) into harrows. Like all Ferguson implements, their strength and simplicity pay for themselves—faster work—under all conditions.

The Corn is Green

It is getting busy before these early birds and I, too, we managed to finish a late sowing of spring wheat and already what is up green and healthy is poking through the soil.

Without rain my root field was a mess. I took it over as stubble and the open furrows of several inches over the place. So, in March, I decided to level it. I ploughed it deep with a one-way tractor and then, which made a capital job of it, and a hoped, out of mind it was.

Of course, it turned over wet, and then the sun and drying winds turned those furrow slices into strips of concrete about nine inches thick, a rare job to fine down into a tith to receive small seeds such as kale. Just how that would have been done without rain I don't quite know, but what I do know is that somehow or other it would have been done, for a good acreage of kale is now an essential on any livestock farm.

Commoned Steers

Then, as far as I can see, the work on my new farm between now and harvest will consist mainly of fencing. Goodness, how I detest old wire fences! Once cattle have found a way through them, nothing you do in the way of repairs seems to make them stock-proof. Anyway, I have one bunch of steers that I would back against all comers to get through a tinkered-up wire fence.

There is nothing for it but to scrap the old fences and erect new ones. Admittedly, fencing materials, either posts or wire, are expensive these days; but then, so is farm labour. So I've come to the conclusion that to employ good men to mend and repair bad fences is to chuck money away for no satisfactory result. Frankly, I would as soon back home, which is, incidentally, about the one male vice that I have not got.

Roads, either the ones through a farm or those surrounding the buildings, are another puzzle that must be solved. With the latter, the surroundings of the homestead, I have decided to go the whole hog with concrete, as and when funds permit. For the farm road from the homestead through the fields, the problem

is not so much the surfacing as the drainage.

My farm road—in fact, nearly every farm road in my neighbourhood—runs directly uphill from the valley to the top of the chalk down. Consequently, in wet weather it becomes a water-course, heavy rain washing it out into gullies almost overnight. Unless, of course, it is well cambered in the middle, so that the surface water runs down on either side; and even then the water must eventually go somewhere.

Such cambering means two gullies, one on either side of the road; but I've been thinking that I can manage with only one. I intend to try making a length of this hill road slope gently one way, at right angles to the line of direction, thus tilting all the surface water into one gully. Then at suitable intervals to lead the water in this gully through the fence into the downland pasture at that side.

If that works the oracle, I shall shape the surface that fashion all the way down the hill, and then decide what sort of top skin I can afford. For I am convinced that unless you get the water off the road as soon as possible, no surface on a hill road will stand up to our climate for very long.

Back to Mangolds

Kale, fences, roads, what comes next? The answer to that one is "Any amount." One thing, before I forget it, is that I'm going to do something I vowed some 20 odd years ago that I would never do again. Well, may be the tincture of time has had its effect. Anyway, I'm sowing some five acres to mangolds, in spite of the fact that I have often written that I considered these roots the most ex-

pensive way of watering cattle that I had come across.

Three things have contributed to make me alter my mind in this fashion. One is that with the head of horned stock I am carrying this summer, it does not look as though I shall be able to make very much silage. Another, that I don't think there is a much better wet fodder than mangolds during April.

Yet another, that if one does not require mangolds for one's own stock in late spring, these roots are always readily saleable.

Next comes rats. Granted, there is no food for them in the buildings of this new farm, but still I seem to have taken over too many of these livestock. I should imagine that the long period of wet weather drove the rats from the fields to the buildings, for I understand that there are far more rats in most farm buildings than is usual at this time of year. Anyway, as it is foolish to spend money repairing buildings that are infested with rats, I have instructed some experts at rat-killing to deal with mine forthwith.

This done, we can get on with all sorts of repairs to the buildings, some of any great moment in itself, but in the aggregate a considerable amount. You know the sort of thing—here a door off its hinges, there a plate or two missing, broken panes of glass all over the place, a drunken gatepost gaps in the guttering, incriminated down pipes, and all the rest. If I can get these things tackled up and a coat of concrete over all wood-work before harvest, I shall feel a lot happier.

All of which reminds me every day of one very unpleasant thing, that I cannot dodge. Perhaps the best way to explain it is to recommend a book that was published by Eyre & Spottiswoode as far back as 1936. Its title is *Norfolk's Luck*; its author is Martin Stephens, and any countryman who has not yet come across it has a treat in store.

The hero, condemned to work in town, but with all his heart in country sport, suddenly receives news that he has been left nearly a quarter of a million by an aunt. His first thought was that at long last he would now have the money to hunt, and shoot, and fish, and do all the things he had dreamed of doing. Then he suddenly realised that he was 40, which meant that although he now had the necessary money, he had not got the necessary time. So the tale of how he did everything as quickly as possible makes splendid reading.

"Way Past 40"

Alas! I am somewhat in like case. No one has left me a fortune, but at last I have done something I have always wanted to do—taken over a farm. I can scrape together the necessary capital. I have some useful farming knowledge, and, thanks to some good friends who will gladly supply any deficiencies in that respect, to enable me to farm it moderately well; and I have all the sagacious and enthusiasm of a twenty-year-old. But, being way past 40, like the hero in that book, it is borne upon me that I haven't the time to do half the things I want to do in one year.

This thought will persist in cropping up, when I am planning roads, fences, buildings, and improvements of various sorts, and it is not a pleasant one. So I suppose the only thing to do is to make haste slowly, to do something worth while every year; to hope to be spared to do perhaps a quarter of the things I have in mind; and, anyway, when the time comes, to leave the place a little better than I found it. I confessed that to someone the other day, and was told that mine was a selfish aim. Maybe it is. But I am unrepentant, for I know of much worse ones.

Not a weed
for miles!



The man who used to lean on a gate despairingly, and shake his head at charlock, runch, pennyces and fat hen among his crops, feels a lot better about them now. Thanks to the 'know-how' that Plant Protection supplies, there's not a weed in sight. 'Agroxone' did the trick, without harming the cereal crops—and it's harmless to game, too! Plant Protection scientists are experimenting fully before advising 'Agroxone 2' for use on peas; but meanwhile this *selective* weedkiller, now at double strength, will increase your cornfields' yield economically and save hours of labour. Weeds never even get a chance to grow with...

'AGROXONE 2'
powder weedkiller



SUPPLIES AND INFORMATION FROM APPOINTED AGENTS OF PLANT PROTECTION LTD

DOWN WITH FLEA BEETLE, TOO!
This ugly customer (alias Black Bob or Turnip Fly) can be kept from harming your seedlings of cabbage, kale, turnips, swedes and other brassicas by 'P.P.' FLEA BEETLE DUST

May 4, 1951



Friday, May 4.
London's South Bank Exhibition of the Festival of Britain opens, and one of the outstanding features of the South Bank is a section devoted to the country side.

A "pocket size" shop window display has been opened in the exhibition for the entire day, and the visitor can see the whole of the country side in just about 10 minutes, and it tells the story of the country side in a way that is both interesting and instructive.

In the "The Land and the People" and its endeavour to make the visitor aware of the many ways in which the country side is changing, the visitor is shown the many ways in which the country side is changing.

The place of the land as a source of raw materials and as a source of food, and the interdependence of urban and rural communities is shown.

200 Years' Evolution
The progress in development of agricultural practice is shown by display, and it is shown that such development has led to the development of the modern farm.

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"LOOK, STRANGER, AT THIS ISLAND HERE"

The Festival of Britain Exhibition at South Bank, London, opens today. Its aim—to give the visitor a pocket-size sample of Britain—our people, our industries—our way of life—and the land itself that is the enduring background of our varied history. The land's share in the Festival is outlined on this and the following pages



"The Country Year"—a "roundabout" method of showing the seasons' activities at South Bank.

have evolved through millions of years, and how they vary from one area to another.

How wild life has adapted itself, the interdependence of animals and plants, and how man has modified the landscape are shown pictorially.

Part of Research

From these "advance" displays way is made into a section concerned with rural life and agriculture, showing present-day use of the land, and the breeding of plants and animals. The parts played by scientific research and mechanisation are given emphasis, and full use is made of livestock exhibits, which will be changed as the

season advances during the course of the Exhibition.

A final display is concerned with forestry and British timber, and industrial exhibits include dairy equipment, agricultural machinery, hand tools and rural crafts.

In telling the story of British farming at the Exhibition it is shown how permanent accidents of soil and climate have produced a variable terrain over our isles, and how skill and experience have developed them through the centuries for the purposes to which each variation is best suited.

How grazing and stock breeding have become typical in the high lands of the west where heavy rainfall and exposure to

Atlantic conditions have made livestock hardly enough to stand up to them, and how the drier conditions of the eastern side of England have led to the development of arable farming, are also shown.

Quality Standards

One of the points which emerges from the exhibit is that, while variety has always been a distinctive feature of our agriculture, quality of products has been its complement. In livestock, cereals, vegetables, fruits or flowers, British producers have set the highest standards, and how this is done, and what it

means, is shown in an attractive manner—sometimes pictorially and sometimes panoramically.

Side by side with the "straight" agricultural story, however, is that of the scientist's battle for ever-increasing and ever-improving production. Work in connection with plant and livestock improvement is illustrated from experiments in the laboratory to the practical application in the field.

Woven into the whole fabric of the Festival farming display is the wider aspect of the country scene—the hedges, the houses, the cottages and barns and the country lanes—so that the visitor from either home or abroad can get a perspective picture of just what agriculture means in Britain.

This panel of the dairy products section of the Country Exhibition is designed to show milk processes "from udder to consumer."



Farm and Factory: N.I. Show

NORTHERN IRELAND'S contribution to the Festival of Britain will be a farm and factory exhibition at Castlebaragh, Belfast, during June, July and August, to be opened by the King, accompanied by the Queen, on June 1st.

There will be a farm machinery exhibit to demonstrate the development and progress of



1851

FARMING'S STORY—Crystal Palace to South Bank

THE application of the mechanical genius of this country was the fanfare phrase which introduced the catalogue of the Agricultural and Horticultural Machines and Implements Section of the 1851 Exhibition—a section of which is depicted in the contemporary engraving reproduced below.

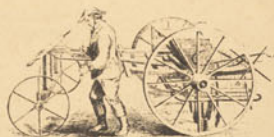
At that time the advent of steam power to wide application was dominant everywhere, and the catalogue writers celebrate it in the following terms: "the agricultural steam engine is itself an interesting object."

The 1851 agricultural section was certainly comprehensive. It embraced almost every type of implement, in fact, again to quote the catalogue, "A variety of ploughs and pulverizers are shown, the peculiar form and construction of which are submitted to practical agriculturists for their approbation."

What is perhaps significant, is the way in which famous names still, in many cases, associated with production of farm equipment figured in the list of exhibitors. Nicholson—Hentall—Ransomes and the like—still prominent in the implement industry.

Their growth is characteristic of progress—to take one name which figures in the picture below—when Robert Ransome started his iron foundry in Ipswich in 1789, he employed one man. Ransomes, Sims, & Jefferies today—still at Ipswich—employ over 3,000.

AGE-OLD TASKS —



MAN-POWER



HORSE-POWER

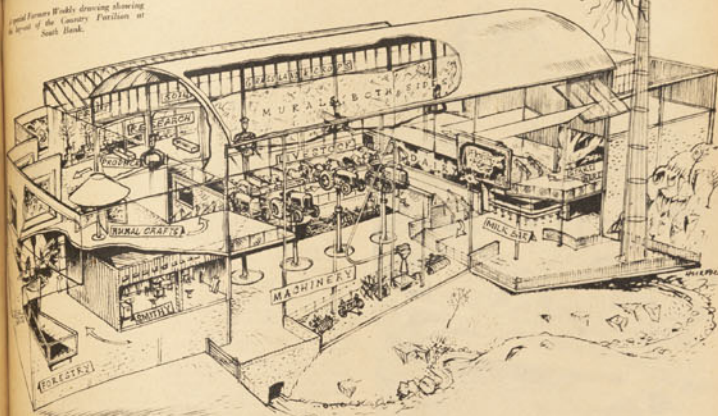


STEAM-POWER



A contemporary artist's impression of agricultural machinery at the Great Exhibition of 1851.

Crystal Palace drawing showing a typical of the Country Pavilion at South Bank.



— NEW-AGE POWER —

The turning of a wheel—or a four-wheeled vehicle of a load—was the everyday needs of the man. The only change is in the source of power—and as this has changed, so has total output.

In the 1851 picture are shown the power sources our great-grandfathers used in their farming. On this page we have at our command today. They represent the progress of a century. The 1851 picture shows: (top) Barrow and Co's 4 h.p. portable steam engine; (middle) Hensby's liquid manure pump; and (right) Hensby's patent reaper. The three modern drawings by Charles Hurford show the present-day sources of power.



CRAWLER-POWER



TRACTOR-POWER



HYDRAULIC-POWER

1951

THEME of the country section of the Festival of Britain South Bank Exhibition in 1951 is "present-day utilisation of the land" and—associated with it—"scientific research and mechanisation in British agriculture."

So, in limited space, machines and equipment are prominent.

The greatest aid given to agricultural productivity since 1851—the internal combustion engine—is represented by a display of tractors mounted so that all can see them.

Four machines—three wheeled and one crawler—are positioned on pedestal lifts. Though no machine thus shown will move forward or backward, yet each will travel over 100 vertical miles during the Exhibition—for it is calculated that each will make 116,760 ascents and descents.

Hand tools, dairy equipment, and rural crafts all have their sections, and prominent breeds of British livestock show that still "Britain can breed it."

There is only enough room to give a "pocket size" version of our farming on the London site of the Exhibition—but the display is a selective sample.

THE TEAGLE BROADCASTER

Built to last. Needs no cleaning or housing. Handles material from 10 lbs. of Grass seeds per acre to Lingo, Salt or Liquid Farmyard Manure. Definite single lever adjustment. High output. Ideal for corrosive substances.

TWO YEARS' GUARANTEE.*

PROVED BY EXPERIENCE

Thousands of satisfied users

The Teagle Broadcaster distributes evenly because the feed from the Hopper is to the centre of shrouded Spinner plate, which gives all-round 360 degree discharge. (On latest machines this can always be kept in correct alignment.)

Output with granular fertiliser is one acre in three minutes.

Sows a larger variety of materials with less trouble than any other machine.



THE MARK OF EFFICIENCY

The following are three of many unsolicited testimonials:
Casna—Machine arrived safely—doing its work a treat.
Wills—Very satisfied with this efficient machine which is quite capable of doing all the work you claim to do.
Yorks—Machines doing an excellent job and in price far in front of any other machines we have tried or used.

*Two years is a small portion of the life of the Broadcaster.

To ensure keeping Teagle machines up to maximum efficiency we have long since discontinued charging for spare parts of our manufacture, for machines which are in regular production. We also send these spare parts free of charge to all our customers. Quick despatch of all parts can usually be guaranteed.

W. T. TEAGLE (Machinery) Limited, BLACKWATER, TRURO, CORNWALL



PRICES:

On Dunlop Tractive pneumatics 642 . 10 . 0/6

On steel wheels 434 . 0 . 0/6

GOOD DELIVERY AT THIS TIME OF YEAR

ACCEPT NO SUBSTITUTE

KEEP YOUR CATTLE IN CHECK



PORTAPYLONS

(Patent pending) (Trade Mark)

make the Electric Fence ABSOLUTELY PORTABLE

H.S.I. offer ALL necessary equipment to enable CONTROLLED GRAZING to be carried out expeditiously and effectively under ALL conditions.

- THE WARDEN PORTAKIT which makes the Electric Fence Unit and Battery as mobile as the Portapylons fence—easy to carry.
- A PORTAPYLON complete with Black Bishop Unbreakable Insulator.
- ANCHOR POST for attaching end of fence wire when necessary.

Now available, COLLAPSIBLE WIRE WINDING REEL for erecting and removing wire quickly, etc., etc. WRITE FOR FREE BOOK on Controlled Grazing.



"BLACK BISHOP" for Portapylons, "BLACK BISHOP" for wooden posts, "BLACK PAWN" for wooden posts.

The All-Purpose Machine for CUTTING and BRUISING

ROBUST

All models available. Variable length or size of cut.

50 TONS OF CHOPPED SILAGE A DAY

Mr. A. E. Bishop, Kiveton Hall, via Sheffield, writes:

"The Robust was able to blow grass, oats, tares and pea haulm up to a height of 60 feet as fast as a man could feed into the hopper. We have found it easily possible to make 50 tons of silage a day at a very low cost, and the tearing of the material is a great aid to lactic fermentation."

Write for particulars.



THE HARVEST SAVER & IMPLEMENT CO. LTD. THE WORKS, KIRBYMOORSIDE, YORK

Let's Learn From Each Other continued

...which, for swimming, is a definite advantage. This has been adopted to avoid invidious comparisons between individuals, but even so, the tendency to select a first, second and third seems irrefragable and individual awards are made as well.

They have also an "Achievement Day," when the clubs show parents and neighbours what they have been doing in the past year, and in any case there is no reason why we should overlook it as a very interesting something of the sort.

It should also be noted that where commercial firms sponsor any awards for these competitions, no mention of that group's products may be made in connection with the competition.

Commercial Interest
 In fairness, too, it should be said that commercial firms in this country show films that concern their products, directly or indirectly, and I remember one case where a fish meal company gave some Y.F.C. members a very interesting two-days' trip on a trawler, having asked the education to select likely voyagers. In nearly all such cases the job is done with restraint and good taste and one would be reluctant to say that no offer from any firm should ever be accepted for fear one was convulsing in a publicity stunt.

I am driven to the rather English conclusion that it is probably all right so long as we do not encourage it too much in the Y.F.C.s, that we should look carefully at every offer and accept or refuse on its merits, and certainly that we should never run round inviting firms to give that kind of support. But that the grandiose prize list, the extravagant entertainment

commercial interests pay out, rationally high prices for, say, a pig that a 4-H Club member has reared, simply for publicity and in the hope that the parents of the Club members will then go to their insurers or their motor car or their radio set.

Thus, to me, was the worst side of American life, although it is only fair to add that there are said to be many cases where the publicity and the fring and extravagance is not so overdone, and in any case there is no reason why we should overlook it as a very interesting something of the sort.

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and the over-commercialized atmosphere that has come to play such a noticeable part in the 4-H Club system of the National awards is surely something to be ashamed of at all costs for the Farming Clubs. To one who believes that even our Y.F.C. public speaking contests can be overdone to the point of turning out arrogant little pigs and disgusting, self-important little orators, it would seem better to have no national competitions at all if there were even a danger that they could degenerate into such a display of the very negation of education.

Idea Count
 We should not, however, waste too much thought on that. As I said at the beginning, it is only one aspect of America that, because of its stridency, is easily over-estimated in trying to understand what sort of people they are. There is a deep current of practical decency that runs far more strongly and has played, as Mr. Voysey's most admirable report shows, a far more important part in making the 4-H Clubs what they are, namely a genuine experiment in education to make boys and girls at home with themselves and with their world in general, and to help them to become self-respecting citizens.

Seldom can anything be lifted completely from one country and fitted without any adaptation into the civilization of another, but it is ideas that count, "the spirit that is nourished," and it is look at it in that way, no one who is interested in the Y.F.C. movement can read this report without finding that it has many things in it to prompt ideas useful to our movement, just as a similar investigation of our Y.F.C.s might be not entirely barren for Americans.

THE YARD-PARLOUR SYSTEM ON TRIAL

Y.F.C. dairymen are far from unanimous on the value of the yard and milking parlour system. Recently 150 members of the two county's branches met in Brighton to discuss this subject.

The system was advocated by a panel of dairymen, who were yard-and-parlour milkers or the other hand, sold Downlands or Dairymen World days. The audience did not believe that

open yards and milking parlours helped the cattle to maintain high yields. They declared it was not possible to ration bulk feeds unless yards or ties were used. Yields, it was stated, were apt to be lowered by excessive litter eating.

Straw was the limiting factor to the system's economics in the county. Only on the Downs and the established commons was there sufficient straw to keep yards inexpensive littered.

SIX MEN PUT THE CASE	Why Yards and Parlours?	Design?	Possible Improvement
<p>H. LAZELL Major R. GRUBB H. DUMBRILL W. CHURCH R. RENWICK S. MAXWELL</p>	<p>Major Grubb thinks the system has advantages, but agrees the system for cowshed is a major switch from milk to meat production. Labour costs were reduced, better milk yields gained.</p>	<p>Depends largely on circumstances, but generally inclined to adaptation of existing buildings. Spare no efforts to give cover and comfort.</p>	<p>Thinks many parlours are too big and high. Smaller ones would reduce cost. Suggested simple lean-to buildings.</p>
<p>Because they encourage the best health animals. Mr. H. Dumbrell of Steyning. More over, if a major switch from milk to meat production is carried, there would be the buildings for bullocks or pigs.</p>	<p>Prefers yards under cover to avoid excessive preparatory washing. Believes concrete floors unnecessary—chalk a substitute, given a wide concrete apron.</p>	<p>Wants yards smaller, or in series for various yielding animals.</p>	<p>Advocates conversion where possible and recommends planning to ensure high degree of individual attention to animals. Says results depend more on men in charge than the actual buildings.</p>
<p>As a mainly arable farmer on the chalk, Mr. W. Church finds the system cheaper than cowshed. His grass is distant from main buildings and the conversion of out-lying hedges saves time and money.</p>	<p>Likes conversion of existing buildings. Plenty of water and exposure to weather providing ground gives dry lying.</p>	<p>Sees no need for elaborate buildings. Likes portable bales wherever possible.</p>	<p>Recommends access direct to pastures. Says we should be guided by Hoyer's principles.</p>
<p>Mr. R. Renwick thinks attempts to reduce production costs are preferable to striving for high yielding animals. Says the system saves labour.</p>	<p>Advocates conversion where possible and recommends planning to ensure high degree of individual attention to animals. Says results depend more on men in charge than the actual buildings.</p>	<p>Says "Keep the system fluid." Contract or convert buildings for possible use by other stock.</p>	

100 ACRES UNDER CORN?

Then it will pay you to handle your grain mechanically with **R.B. 'en-masse' MACHINES**

THE 'en-masse' PRINCIPLE

Rocking flights on endless chains driven by sprocket wheels (which are not in contact with the grain) move the grain 'en masse' along totally enclosed trucking smoothly, cleanly and without dust or turbulence, providing the simplest, most efficient and economical method of moving grain horizontally, vertically, or both, at any angle, over any distance, in any quantity and in less space than by any comparable method.

Portable R.B. Elevators—are also available for sack-filling, bin-discharging and other grain-handling jobs.



Illustration shows how easily an R.B. 'en-masse' conveyor can be placed along existing tracks to feed into bins, bins, etc.

Ask your agent for details of **R.B. 'en-masse' ELEVATORS • CONVEYORS • ELEVATORS**

The answer to every grain-handling problem—made by CONVEYORS (READY BUILT) LTD. STROUD, GLOS. Tel. St. Stroud 501

1951

Simple Arithmetic

EARLY this year a Shropshire farmer started to budget for the equipment he would need for setting and bringing in the harvest. He had done this in previous years but had always disliked completing so many hire purchase agreements—generally one for each machine.

This year on the advice of a neighbour he called in the Bowmaker man—he

found his address in his local telephone directory. He was shown how only one hire purchase agreement—covered by only one monthly cheque would bring him all the machinery he needed. He's a happier man now—simple arithmetic made life so much easier for him.

BOWMAKER Industrial Bankers

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FOR THESE SIX REASONS

- 1 Minimum Damage to Grain.** Most of the leading maltsters use R.B. machinery themselves and prefer to buy grain handled only by R.B. machinery because they know it will be undamaged and fit for use. Grain moved by the 'en masse' system flows smoothly through the trucking and cannot possibly come in contact with any fast-moving components.
- 2 Lasting Reliability and Economy.** Extremely simple and robust in design and construction, R.B. machines are built to the highest engineering standards to give reliable service for many years with the minimum of attention—far outlasting any cheaper alternatives.
- 3 Lower Running Costs.** Because the main components are slow-moving—only small capacity driving motors are needed to operate R.B. Machines—which take continuous current or full costs of electricity for long life.
- 4 Dustless Operation.** The totally enclosed conveyors and trucks eliminate the dust and prevent the grain from being contaminated in transit.
- 5 Small Space Required.** Compact R.B. Trucking, Conveyors and Elevators are circular in section, non-obstructive and can be installed in the smallest space. They are also overhead, or as they are called, 'en masse'—so that they do not take up any of the available space.
- 6 Widely Adaptable.** Standard R.B. machines are designed for easy adaptation to grain-handling problems, and can be modified to suit the needs of any particular situation. They are also easily adapted to suit the needs of any particular situation.

Advise Service is in place to all. A staff of experts in all branches of grain handling is ready to deal with all problems and inquiries and we invite all farmers to avail themselves of this service. The Farmers Weekly, Advise Service, 1444 Lane, London, E.C.4.

For more information, write to the undersigned at the address above. We will be pleased to send you a copy of our literature and answer any questions you may have. We will also be pleased to visit you on your premises and discuss your requirements.

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ANSWERS TO YOUR QUESTIONS

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A fine bunch of Leicester lambs on a North Riding farm.

On and keep in mind the following points of management—

- (1) Exercise
- (2) Cleanliness of the food and the troughs
- (3) Sufficient food, but not too much
- (4) Cleanliness of the food and the troughs
- (5) Sufficient food, but not too much
- (6) Cleanliness of the food and the troughs
- (7) Sufficient food, but not too much

Fodder Beet For Calves

COULD I replace starchy meals by fodder beet in the feeding of calves? Fodder beet would not completely replace starchy meals in the case of young calves. The bulkiness of the fodder beet is a limiting factor. Of course, the older and bigger the calves are the more fodder beet they could cope with. At three to four months old they might manage to consume enough fodder beet to replace 1 lb. of cereals—that is to say about 6 lb. of fodder beet.

Finishing Off

I HAVE some three quarters finished cattle (9-10 cwt.), which I wish to finish as soon as possible and have available bean meal, beet pulp, crushed oats and grass meal (medium grade). They have been getting clover hay and oat straw chaffed with pulp as a half of barley. What is the best mixture to use? What is the most economical mixture to use?

- 1 suggest per head per day:
- 7-10 lb. hay
- 4 lb. beet pulp (fed soaked)
- 2 lb. bean meal
- 2 lb. grass meal
- 4 lb. crushed oats

Plus just as much straw as they may care to clear up.

Cockerels And Pullets

C balanced ration for growing pullets from 6 weeks to 5 months old and fattening cock-

erels from 6-16 weeks? I have home grown dredge corn containing 65 parts barley, 25 parts wheat, and 10 parts minerals. They will soon be on good free range.

Since you have little variation in the foods available the mash suggested should be used for both cockerels and pullets. Feed the cockerels liberally and restrict their liberty. Encourage the pullets to range and to find their own food as far as possible. Grind the dredge corn as finely as possible. Add 5 per cent. fish meal and 1 per cent. minerals.

VETERINARY

T.B. From Cattle To Pigs

I HAVE a small new ley on which I intend to run four reactor cows, also wish to run two pedigree pigs in the same field. Would there be any risk of the pigs catching T.B. and passing it on to other stock?

There is certainly a risk of the reacting cattle leaving infection on the pastures and thus being a means of infection to other stock, such as pigs. I would not advise you to use the pasture for other stock whilst it is being grazed by reacting cattle and not for some time after the reactors are removed from the ley. The risk of cattle getting infection from infected pigs is not great, but it is not a risk that I would advise you to take.

Elder Poisoning

I AM reclaiming some rough land and on there has been a fair amount of elder. Will this affect sheep and cattle which will have access to the field?

Elder is not poisonous to animals which frequently eat small quantities. I do not think you need worry about the sheep.

or cattle which may have access thereto.

Fool of the Foot

ONE of my cows has for the past two or three days been very lame, and I find on examination that she has a nasty swelling sore or abscess between the claws of her foot. What is the cause and remedy? The cow has foot of the foot. Treatment is to poultice or foment the foot until the abscess bursts and then to apply Stockholm tar until healed, taking care to protect the raw surface from becoming soiled with dirt, etc.

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become involved and amputation of a claw be necessary.

Rubbing Quarters

WE have two cows in our herd of Red Polls each with a weeping sore at the centre where the large fore quarters are attached to the belly. What is the cause and how can I clear it up?

The trouble is due to the large quarters rubbing against each other and against the flanks and there is not much you can do to prevent this although in some cases where the udder is very heavy and pendulous it may be advisable to support the udder in a canvas bag which is suspended by ropes or straps over the back of the animal.

The affected parts should be washed with a mild antiseptic twice daily and then when partially dry dabbed with calamine lotion to which has been added a very small quantity of betadol or similar antiseptic.

Persistent Not Cystic

I F a cow has a cystic corpus luteum in the right horn of the uterus at three weeks, is it possible for her to hold a calf?

I can hardly see how a cow can develop cystic ovaries within three weeks of pregnancy. A corpus luteum is formed in the ovary after the egg is liberated and this persists until the next heat period if the cow is not served or does not get into calf. If the service is successful then the corpus luteum which forms will differ from the one which forms in a non-pregnant animal and will be a persistent corpus luteum which will remain until calving is at hand.

If a cow served three weeks previously was found to have a 'cystic' corpus luteum, then I should suspect it was pregnant at the time of service and that the 'cystic corpus luteum' was in fact the corpus luteum of pregnancy.

LEGAL

Claim From Accident

A FARM worker (18 years old) employed by us had an accident, injuring his ankle. We paid him £3 a week plus (Continued on page 59)

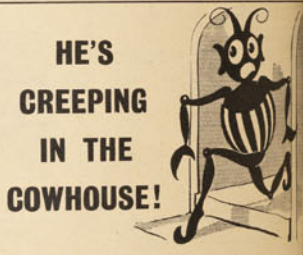
THE GAMEKEEPERS' SECRET

HOW can I obtain a good rat poison for general farm use? I understand that some of the poisons are undetectable, and there are many who treat this subject with great secrecy, especially old gamekeepers.

There are a number of rat poisons which are obtainable by anybody from the local chemist; provided the chemist is satisfied that the poisons are to be used to destroy rats he will supply you with them. It is not the actual poison used which is really important; it is much as the manner of use.

Care must be taken that the poison baits are not put down where other animals are likely to get to them and that non-poisonous baits of such bread, etc., are put down two or three times before the poison is used. The poison baits should only be put down after the rats have eaten the unpoisoned baits otherwise the rats may not eat them—for rats are very suspicious creatures.

The chemist who supplies the poison will give you directions for preparing the baits.



HE'S CREEPING IN THE COWHOUSE!

BUT HE WON'T get far with Jeyes' in the place! Jeyes' is the Antiseptic Disinfectant that is eight times stronger than pure carbolic—safe to germs, yet safe in use, even for animal cures and wounds. When ever there's danger of infection—floors, walls and troughs, wash, attendants' hands—use Jeyes' always. Jeyes' keeps complete infection—healthier stock, fewer losses.



Jeyes' 72-page Farm Animal Book is packed with valuable information on the recognition and prevention of animal diseases. Write today for free copy.

JEYES' (DEPT. F.W.A.I.) HILLBROOK, HANOR RD., CHICHESTER, SUSSEX

Have you had your FREE SAMPLE of DAIRY CLEANSER?

SIMPLE AS **A B C**

- A** Rinse utensils with cold water
B Soak in hot Cleanser solution and mop out — that's all
C Sterilise

This new product is the result of our search for a cleansing preparation which will provide safe and certain protection without a lot of scrubbing. It does not harm the skin or damage enamel and rubber.

Bibby Dairy Cleanser has been specially prepared for all cleaning operations on the farm — in dairy, house and kitchen. It freely dissolves in all waters, whether hot or cold, soft or hard. Every batch is tested in the laboratory before it leaves the factory. A trial will convince you of the merits of Bibby Dairy Cleanser.

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FREE SAMPLE
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ROAD, LIVERPOOL 3, LIVERPOOL, 3
PLEASE SEND ME FREE SAMPLE
OF DAIRY CLEANSER

Name

Address

It's Safe and Certain!

J. BIBBY & SONS LTD., LIVERPOOL 3

MARK OF **SALOPIAN** QUALITY

Lift Up Your Hearts with your crops

AND BE THANKFUL!

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You will find that your diesel tractor runs all the better on Shell Gas Oil. This famous fuel combines efficiency with economy by reducing time you spend on breakdowns and maintenance. You will find, too, that many pieces of farming equipment work better on Shell Gas Oil.

If you want practical advice on anything to do with your agricultural uses of oil fuel, don't hesitate to contact your SHELL and BP Divisional Office.

Visit Stand D. 317/214 at the R.F.E., Birmingham.



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Mowers will give you trouble-free service banishing mowing worries and will stand up to the heaviest working strain.

FOR USE WITH ALL WELL-KNOWN TRACTORS

Bamford's
Farm Machinery

Bamford's Ltd., Uttoxeter
For 80 years Makers of best-known Agricultural Machinery

continued from page 57)

think the new landlord has any right to retain them. There is nothing to stop you selling as a going concern.

Court Order Only

In 1940 I took a cottage from a tenant farmer at 7s. 6d. per week. My son started work for the farmer, and the cottage was part of his wages. When the marriage he was given another house. In September the farmer is getting out and the owner is going to farm himself. Can he get me out?

You appear to be a tenant of the cottage, and the landlord cannot get you out without a Court Order, which can only be given on certain specified grounds.

Act Not in Force

I WISH to buy an adjoining farm. I have been told that I do so. I cannot let or sell the house as a separate unit without permission from the A.E.C.

I wish to have a man live in the farmhouse who will be a farm worker. Is this in order? Could I not let, at any time if I wished, any part of the land?

We do not think your informant is right, as Section 86 of the Agriculture Act, 1947, is not yet in force. We think that what you wish to do is in order, and that should you wish to let part of the land. Whether you would be able later on to obtain possession, if you wished to, is another matter.

MISCELLANEOUS

Manure for Fodder Beet

SHOULD I fertilise fodder beet with salt and lime? Is the crop subject to damage by rabbits? What would be a fair price per acre for hoeing out a crop?

Fodder beet is a lime-loving plant and the crop is not likely to prove satisfactory if grown on land which is deficient in lime. Like sugar beet and mangolds, the crop benefits from a dressing of 3 to 5 cwt. per acre salt applied at least ten days before drilling the seed.

Rabbits will damage the crop just in the same way as they will damage sugar beet and mangolds. Rabbits will damage the crop just in the same way as they will damage sugar beet and mangolds.

Manager's Wages

A present I manage a 1,800-acre downland farm which is being sold. Having been offered a similar post on an 11,000-acre downland farm, I would appreciate your opinion as to a fair wage to apply to a manager of a farm of this size. The duties would entail manuring, mowing, some buying and selling (mostly corn), and no office work. The farm has approximately 450 acres of arable and leys, a dairy herd of 60 and fowling.



The winners of the only hop stringing competition in the country—organised by the World of Kent ploughing match association. (Left to right) Messrs. J. Woodford (1st in stringing), J. Packham (2nd), E. Carey (3rd); and 4th in stringing and banding, 65-year-old R. Curtis. Then, 1st in banding, was Mrs. Smith followed by Mrs. Bond and Mrs. Butler. (Right) Suit stringing (the modern way is to use a pole) as demonstrated by Mr. C. Kimber, 20 years a stringer.

a folded flock of 300 ewes and 200 head store cattle.

Much depends on the degree of responsibility you have to pass. Assuming the entire crop-ping programme has to be worked out by you, also the general stocking policy, etc., it would be reasonable, I think, to expect a wage of £500 to £600 per annum.

Cattle and Fertiliser

I HAVE a quantity of sulphate of potash left over since last year. If I apply it to a field on which cattle are grazing, will it injure the cattle?

It would be unwise to apply the fertilisers to the field while cattle are still grazing. On the other hand, the sooner the fertilisers were applied to the grassland the better. It is not necessary to keep stock off the field for long. They could be put back as soon as a good rain had washed the fertiliser off the leaves and into the ground.

Flax Near Linseed

IS it true that linseed will not do well alongside flax in another field?

There is no reason why you should not carry on with your plan to grow linseed. The fact that flax is to be grown in the next field will not affect the crop in any way.

Turnips After Potatoes

AFTER a crop of early potatoes which has received 18 tons farmyard manure, 8 cwt. sulphate of ammonia, 2 cwt. superphosphate and 14 cwt. muriate of potash per acre, I wish to grow turnips. What applications of fertilisers are needed for this crop?

Turnips and swedes' main manurial requirement is available phosphate and I advise applying 3 cwt. per acre superphosphate prior to sowing the turnip seed. There should be adequate residues of nitrogen and potash to meet the requirements of the crop.

It is assumed that you wish to grow a white turnip for felling off in the autumn and suitable varieties for this purpose would be Lancashire Red, Greystone and White Globe. The seed normally should be

Profit from Fertilizers

Overheads and cultivation costs are difficult to reduce but the proper use of Fisons Compound Fertilisers will increase crop yields and profits per acre. ★

★ for example Sugar Beet

Crop weight per acre	No fertiliser 10 tons	10 cwt. per acre Fisons No. 2 13 tons
Root	£ s. d.	£ s. d.
Depreciation	—	—
Seed	31. 5. 6.	31. 5. 6.
Drilling	—	—
F.Y.M.	—	—
Cultivation	—	—
Fertilizers (Application)	—	7. 5. 3.
Harvesting	15. 0. 0.	7. 0.
Total Costs	46. 5. 6.	56. 17. 9.
Returns	52. 13. 4.	68. 9. 4.
Profit per Acre	6. 7. 10.	11. 11. 7.

It's Fisons for Fertilizers

HEAD OFFICE—HARVEST HOUSE—IPSWICH

USING THE OLD POTATOES

HAVE a good look at your potato store. Lots are wanting to move—either to shrivel and decay, or throw out new growths and use all their food value as unplanted tubers above the ground. This is no time to allow anything to waste in the potato store. I'm keeping a stern eye on all in my store and taking good care that not a chink of light can get at them to encourage them to sprout.

As this is gardening time and busy folk are hungry folk, I've been glad to leave some dishes to cook themselves, and here's one helpful filler—

Stuffed Potatoes

6 large potatoes; 2 oz. cheese; 1 oz. margarine; pepper; salt; mustard.

Select potatoes much-of-a-muchness with regard to size and shape. Scrub each one and wipe dry. Trim the cheese and cut in slender pieces. Drive an apple corer lengthwise into each potato and remove the piece of potato. Insert a length of cheese which should not be quite so long as the potato cylinder. Stuff back a tiny bit of potato at each end of cheese. Rub a little fat over the skin and bake in a fairly hot oven for about 1 hour.

Serve with a little margarine, pepper, salt and mustard. Some may prefer a bottled hot sauce,

while others will think apple chutney the perfect company.

If you've only a spoonful or two of minced meat, ham, or bacon, season well, moisten with a little gravy, margarine, or stuffed bacon dripping and use for stuffing instead of the cheese. If you've some really first-class potatoes from which you can still select number one-sized bakers, look out for sausages that will provide a stuffing for each tuber. Bake until tender and to provide a tasty snack of

Mock Goose

6 potatoes; 6 sausages; 3 cupsful breadcrumbs; seasoning; 1 lb. apples; 2 onions; 2 teaspoonful chopped sage; a little dripping; sugar for apples.

When the potatoes and sausages are cooking, prepare the apples for sauce. Mix the crumbs, sugar, finely chopped onions, seasoning and dripping. Place in a baking dish and cook until onions are tender and the crumbs are lightly browned but still moist with the dripping.

To serve, split each potato in halves, fluff up the inside with a fork, season, replace the sausages and put halves to gether. Add the stuffing and apple sauce with each plate.

If sausages are not available here, a variation and have potatoes peeled and baked and some browned in the dripping pan

by
MRS.
ARTHUR
WEBB

walking over them one dewy morning and bringing the smell of garlic into the house! When that happens I shan't want to grow garlic any more!

Scalloped Potatoes and Ham

6 fairly large potatoes; 2 tablespoonfuls flour; 2 tablespoonfuls margarine; 1 slice of ham; pepper; salt; ½ pint milk.

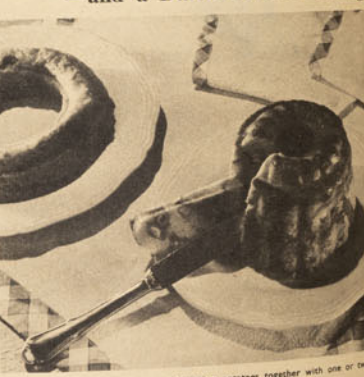
Wash and peel the potatoes and cut into thin slices. Have a covered baking dish well greased bottom and sides. Arrange some of the potatoes in a layer, about one inch deep, sprinkle with salt and pepper and a little flour and add dabs of margarine. Pour in half the milk and follow with remaining potatoes, seasoning as before, adding fat and a sprinkling of flour.

Bake in a moderate oven for half an hour, then spread the slice of ham over the top and bake for another half to three-quarters of an hour, until the potatoes are tender and the ham baked through and lightly browned. This dish is tasty without ham, but let the potatoes bake uncovered for the last twenty minutes to give crisp and brown.

A flavoursome variation of this potato dish is a medium-sized onion, peeled and cut in rings, fried in fat in a saucepan. When nicely browned, lift out the onion, arrange as a decoration on top of the potato dish.

Now while you can catch the

—and a Dutch Potato Pudding

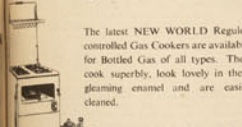


FROM Holland comes this way of serving potatoes together with one or two other vegetables.

2 lb. potatoes; 2 oz. butter or margarine; 2 oz. flour; nutmeg; salt; 4 tablespoonfuls milk; 1 plate cooked vegetables; breadcrumbs.

Cook the potatoes, drain and mash while they are still warm. Add nutmeg and chopped onion. Cut the butter into the flour, add to the potatoes together with breadcrumbs and salt. Mix well with the milk, then put into a greased mould, sprinkle with breadcrumbs and bake in a moderate oven for one hour. Insert a knitting pin, and if it comes out clean the pudding is done.

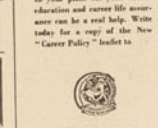
PIPE PUTS HIM IN PRINT



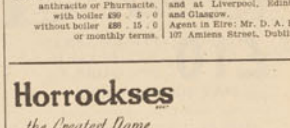
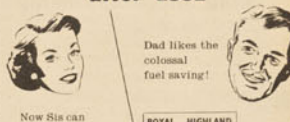
FYNNON SALT

—best thing I've ever taken for SCIATICA

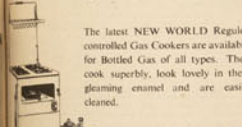
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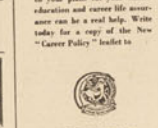
... they all lived happily after ESSE



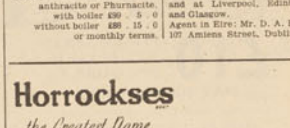
THE LEADING FEATURE OF CUT GOLDEN BAR is the extra satisfaction I get from this fine cool blend. I reckon on half an hour's good smoking from every fill... and think of the thinking you can do in that time.



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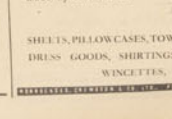
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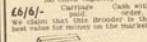
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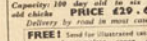
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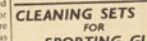
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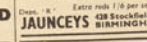
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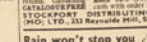
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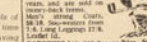
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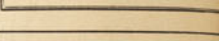
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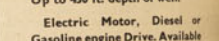
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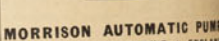
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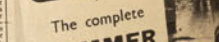
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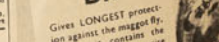
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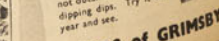
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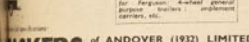
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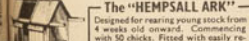
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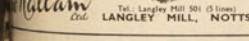
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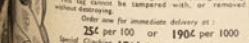
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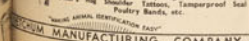
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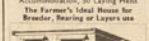
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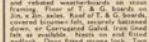
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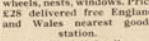
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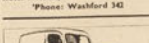
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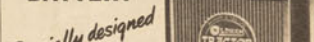
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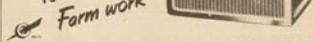
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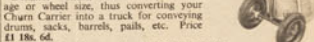
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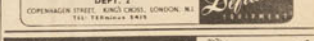
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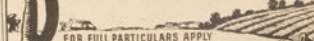
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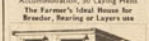
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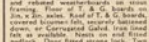
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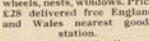
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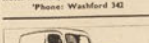
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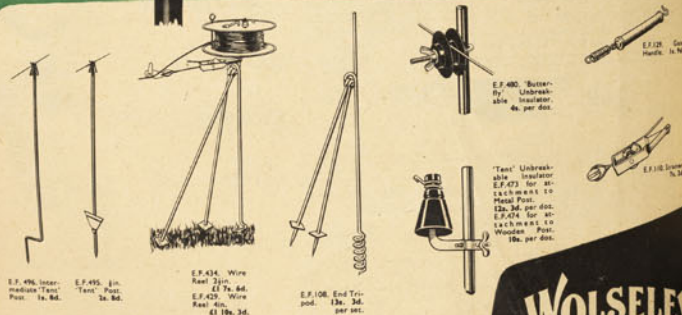
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