

AGRICULTURE AND LIVESTOCK NEWS

Up-to-date Information to Help Develop Progressive Farming

O. A. C. CORRESPONDENCE— FARM REMINDERS

Bloat is Troublesome
Cows put on clover pasture now should be well filled with hay first in order to avert bloating.

Seed Clover is Clipped
Red clover yields more and better seed if it is pastured or clipped back so its period of bloom is delayed about three or four weeks.

Eggs Easily Preserved
Eggs preserved now while the prices are low will permit more to be sold later when every dozen counts more.

First Crop for Seed
The first crop of alfalfa clover is always taken for seed. It should never be clipped or pastured back.

OREGON JERSEY BOOSTERS TO INSPECT FAMOUS HERD

The Jersey jubilee boosters will have the opportunity to see the results of one of America's leading Jersey breeders when they inspect the C. M. Dickson and Son Ashburn herd near Shedd, on their three-day tour of the valley beginning May 25.

The Ashburn herd is now under the management of C. C. Dickson whose name stands at the head of American Jersey breeders in the 1921 honor list for Jerseys, with seven medal cows to his credit.

To get into the gold medal class a cow registered in the American Jersey Cattle club must produce in one year not less than 700 pounds of butterfat—enough to make approximately 850 pounds of commercial butter—and carry a calf for not less than 155 days of the year.

This herd has a gold medal bull, Valentine's Ashburn Baronet, distinction awarded on the performance of his daughters, which make the medal cow rank. This herd has also a silver medal bull, St. Mawes of Ashburn, and is the only herd in America having both gold and silver medal bulls.

Coming to PORTLAND Dr. Mellenthin

SPECIALIST In Internal Medicine for the past eleven years

DOES NOT OPERATE Will be at Benson Hotel Tuesday and Wednesday June 6th and 7th Office Hours: 10 a. m. to 4 p. m.

TWO DAYS ONLY No Charge for Consultation

Dr. Mellenthin is a regular graduate in medicine and surgery and is licensed by the state of Oregon. He visits professionally the more important towns and cities and offers to all who call on this trip free consultation, except the expense of treatment when desired.

According to his method of treatment he does not operate for chronic appendicitis, gall stones, ulcers of stomach, tonsils or adenoids.

He has his credit wonderful results in diseases of the stomach, liver, bowels, blood, skin, nerves, heart, kidney, bladder, bed wetting, catarrh, weak lungs, rheumatism, sciatica, leg ulcers and rectal ailments.

If you have been ailing for any length of time and do not get any better, do not fail to call, as improper measures rather than disease are very often the cause of your long standing trouble.

Remember above date, that consultation on this trip will be free and that his treatment is different.

Address: 336 Boston Block, Minneapolis, Minn.

Jubilee tour. Other members are G. G. Hewitt of Independence, Willard Brown of J. C. Brown and Son, Shedd, F. E. Lynn of Perrydale and C. L. Mulkey of McMinnville.

HOGS ON EVERY FARM

A few hogs on every farm will go a long way toward making farming pay, thinks H. A. Lindgren, live stock extension specialist at Oregon Agricultural college, and a recent demonstration in which 20 "weaners" of O. I. C. and Chester White breeding were used tends to substantiate his opinion.

The pigs' average weight at the beginning of the demonstration was 59.7 pounds each. In addition to the milk from eight cows, which averaged 360 pounds each, or a total of 7200 pounds, they were fed in 113 days 9300 pounds of barley, wheat, corn and screenings, an average of 465 pounds each.

At the end of the demonstration, at an average age of 6 1/2 months, the pigs averaged 220 pounds in weight. This had been put on at the rate of 1.35 pounds per day, with a consumption of 224 pounds of skimmed milk and 4289 pounds of grain to produce 100 pounds of increase in weight.

The 20 pigs brought \$13.58, on the basis of \$11.10 per hundred at Eugene. The total expense was \$249.63 and the profit was \$263.93, or \$13.20 per animal.

The demonstration showed not only the value of skimmed milk for hog feeding, but also that milk for hog feeding, but also that good, thrifty pigs will do. Mr. Maxwell is an excellent feeder, had good hogs and made a nice profit out of one of the farm by-products.

FERTILIZE THE ORCHARDS

"There are four important steps in orchard management: Soil building and handling, pruning, pest control and thinning, and that which has to do with soils is the most fundamental and important of all."

"The orchard tree takes up from the soil seven elements without which no tree could thrive. Calcium, magnesium, iron and sulphur are there in abundance for years. Potash is abundant also, and phosphorous. But nitrogen, the one element that is lowest in all our soils, is a truly limiting factor. It comes from organic matter, the other six from mineral matter."

"Three other elements are just as important as these. They are carbon and oxygen, which the tree takes from the air, and hydrogen, which it obtains from moisture in the soil. Ninety-five per cent of all the tree's food materials come from the air, and only five per cent from the soil. The former are taken care of by proper thinning, while the latter are the ones which furnish our problem of soil fertility. The problem is how to produce materials in the quantities needed, and the ideal is to produce them in just the proportion that they are used up."

"On ordinary soils and under ordinary farm conditions from three to five times as much nitrogen as the crop uses is lost from the soil by leaching (principally) and oxydation. Through these losses, and with what the trees use, we can estimate the requirements per acre at 200 pounds of nitrogen, 20 pounds of phosphate and 75 of potash. These can be supplied, respectively, by applying 1250 pounds of nitrate of soda, 125 pounds of superphosphate and 150 pounds of sulphate, but growing an annual cover crop of vetch and plowing it under when a foot high will supply 120 to 250 pounds of nitrogen per acre, and one-third to two-thirds of it will be taken right out of the unlimited supply in the air. A cover crop not only supplies all the nitrogen required, but also prevents leaching and oxydation. Saving the leaves that blow from the orchard trees provides more than half of the 50 pounds of nitrogen required for tree food, and nothing is better than stable manure if it can be obtained, but the one thing we can all do to maintain soil fertility indefinitely is to grow an annual cover crop. It is about our only chance to keep our farms producing."

FEEDING TURKEYS

By Alfred G. Lunn Professor in Poultry Husbandry, O. A. C.

There is probably no breed of farm fowls or animals that receive a greater variety of feed and methods of feeding than the turkey, a large number of which are successfully employed. In a large measure the one doing the feeding seems to be responsible for the results, almost as much so as with their method of feeding or the feed used. For the first few days a very common practice is boiled eggs chopped fine and mixed with bread crumbs. Corn bread or Johnny cake is very good for this purpose. Clabbered milk made into cottage cheese and mixed with a little salt and per-

per, then mixed together with bread crumbs, is especially good. Where the supply of milk is limited, however, it is probably better to use the skimmed milk in moistening the bread crumbs or mash. A very common method is to take white bread, cut it in slices, put it in the oven, dry thoroughly and then roll it into crumbs. This should then be moistened slightly with sweet or sour milk.

If the poult is raised with the mother turkey hen she will range out with them and find a sufficient supply of green feed. However, if it is necessary to confine the hen green food should be added, and for this purpose chopped onion top, cabbage leaves or any kind of succulent green feed will answer the purpose, provided that it is chopped fine. Coarse sand, grit and charcoal should also be provided for the growing poult.

ROSE SLUGS

Just a strong stream of water applied often and from different angles is an excellent control measure for rose slugs, says the United States department of agriculture in a new publication, Farmers' Bulletin 1252, Sawflies Injurious to Rose Foliage, written by William Middleton, of the bureau of entomology, and now available for distribution. By this means the larvae are knocked from the leaves and perish before they are able to return.

In places where a strong stream of water is either unavailable or inconvenient to use, a stomach poison like lead arsenate and water sprayed upon the leaves gives good results. If the spraying is to be extensive and a large quantity of the mixture is used, one pound of powdered lead arsenate to 50 gallons of water is the proper proportion and a large compressed-air hand sprayer or barrel pump will be found suitable. If the spraying is to be limited to several bushes, three rounded teaspoonfuls of powdered lead arsenate to a gallon of water is a good mixture, and one of the small hand spray pumps will serve the purpose.

Another spray which will be effective against young larvae and which has the additional advantage of being a good aphid remedy is 40 per cent nicotine sulphate, which should be diluted as recommended upon the container, usually one part to 800 parts of water in which some fish-oil or laundry soap has been dissolved. For small quantities use approximately one teaspoonful of nicotine sulphate to one gallon of water in which one ounce of soap has been dissolved.

The bulletin discusses the life and habits of the three more important rose sawflies, the bristly rose slug, the European rose slug, and the cold roseworm. Copies may be had free upon application to the United States department of agriculture, Washington, D. C.

County Court

(Continued from page 3)

\$9.98; Norman Olsen, \$14.97; Bill Gerger, \$9.98; L. Bowman, \$19.96; Olaf Olsen, \$9.96; Joe Oster, \$9.98; L. N. Jones, \$4.99

ROAD DISTRICT NO. 52—Oscar Vorheis, \$22.41; N. B. Wade, \$2.49; A. M. Groshous, \$13.20; G. M. Groshous, \$6.23; Rich Joplin, \$3.73; A. D. Mazingo, \$9.98; Fred Blair, \$4.99

ROAD DISTRICT NO. 54—Hogg Bros., \$25.50

ROAD DISTRICT NO. 56—Walter Waldorf, \$2.75; Edwin Faust, \$2.49; H. G. Hoyman, \$2.49; R. Schuebel, \$14.97

ROAD DISTRICT NO. 58—W. Wade, \$8.71; Norman Linn, \$17.95; Wilcox Bros., \$18.00; J. O. Tunnell, \$6.22; Harry Kitching, \$1.24; J. V. Barr, \$2.49

ROAD DISTRICT NO. 59—W. H. Douglass, \$20.97; C. P. Murphy, \$3.10; ROAD DISTRICT NO. 60—Tom Penman, \$24.95; Leo Norton, \$12.45; Geo. G. Randall, \$24.95; Charles Grey, \$12.45; W. G. Randall, \$32.45; Charles Chinn, \$19.96

ROAD DISTRICT NO. 61—Hogg Bros., \$35.50; Portland Railway, Light and Power Co., \$30.20; Max Telford, \$95.75; Harry Hamlin, \$25.59; E. Hatch, \$57.57; J. H. Sheer, \$23.65; A. Warner, \$114.15; George Meade, \$47.61; Frank Toering, \$11.20; Albert Main, \$2.49; John Rapire, \$20.22; A. H. Coffield, \$22.72; Ernest Newman, \$10.26

ROAD DISTRICT NO. 62—Coast Culvert & Flume Co., \$70.36; Road Builders' Equipment Co., \$89.50; N. S. Oldham, \$74.17; A. Anderson, \$4.98; C. E. Day, \$3.72; D. O. Day, \$17.95

ROAD DISTRICT NO. 63—Standard Oil Company, \$61; James McKillop, \$2.49; Floyd Emert, \$2.49; George Purdue, \$1.24; C. Peltzer, \$4.98

ROAD DISTRICT NO. 64—W. H. Honney, \$2.00; W. T. Sherman, \$37.14; Wm. Brautz, \$58.87; A. E. Johnson, \$49.33; Chris Swanson, \$46.34; Emiel Larson, \$16.18; Wm. Carlson, \$37.37; Allison Allen, \$32.37; Guy Brown, \$12.45; Lewis Norman, \$26.12; Fred Mueller, \$32.37; Linn Hulet, \$9.96; Alfred Stienke, \$23.64; John Kusturin, \$24.90; Harley Johnson, \$4.98; H. Ellenson, \$18.67; R. Stenitt, \$12.45; Oscar Stienke, \$4.98; John Phillips, \$4.98

SPECIAL NO. 35—C. R. Livesay, \$101.25

SPECIAL NO. 36—T. Monroe, \$3.99; W. A. Bard, \$4.99; Wiley Howell, \$4.99; Barney Schoenberg, \$2.49

SPECIAL NO. 37—C. J. Hennrickson, \$9.96; E. T. Davis, \$28.96; Chester Dean, \$9.96; Wm. Pinkley, \$9.96; H. B. Davis, \$4.99; G. I. Dart, \$4.99; E. Pinkley, \$2.49

SPECIAL NO. 38—Chas. Mathews, \$2.49; Frank Ochs, \$2.49; Chas. Kaufman, \$19.95; Berge Torkleson, \$4.48; A. H. Miller, \$13.95; Adolf Weiderhold, \$24.90; George Weiderhold, \$13.69; Wm. Held, \$2.49

SPECIAL NO. 39—J. D. Crawford, \$14.97; Andrew Evanson, \$14.97; E. Hansen, \$4.98; Hugo Wicklund, \$12.49; Gorge Settemier, \$3.72; Thomas Johnson, \$2.48; N. P. Johnson, \$12.47; Dan McLaren, \$7.47; J. H. Comer, \$2.49; Kistrop Nelson, \$12.49; L. O. Nightingale, \$48.85; Ed Johnson, \$27.93

SPECIAL NO. 40—Stefani Lumber Co., \$11.06; M. A. Olsen, \$28.63; Roy Olsen, \$19.92; J. J. Bryant, \$7.47; Bert C. Palmer, \$3.73; C. B. Mann, \$7.44; C. E. Widstrand, \$1.24; Edw. Feyrer, \$3.99

SPECIAL NO. 41—Sam Hess, \$9.98; Fred Molzan, \$9.98; Almon Johnson, \$9.98; Wm. Beeson, \$9.98; Wm. Weiner, \$9.98; Earl Bowsby, \$6.22; W. W. Froese, \$4.98; J. W. Johnson, \$1.87; O. Halverson, \$2.49

SPECIAL NO. 42—R. W. Zimmerman, \$9.73; C. F. Ziegler, \$7.48; V. Skinner, \$7.48

SPECIAL NO. 43—Chester Smith, \$9.98; Ben Krause, \$19.96; Frank Brush, \$4.99; George Meyer, \$9.96; Chas. Gelbrich, \$9.96; Ralph Kehler, \$9.96; Rudolph Klaus, \$19.94; Fred Lamour, \$2.49; C. H. Lorenz, \$4.99; Frank Gribble, \$4.99

SPECIAL NO. 44—G. Notdurft, \$3.99

SPECIAL NO. 45—R. F. Watts, \$7.98; James McKillop, \$4.99; Floyd Emert, \$4.99; Carl Bremer, \$2.00

GENERAL ROADS—Hogg Bros., \$90.70; Frank Busch & Sons, \$5.70; W. J. Wilson & Co., \$65.50; Double Seal Ring Co., \$10.13; Willamette Equipment Co., \$152.05; Feenaughty Machinery Co., \$9.10; Willamette River Lumber Co., \$5.95; J. E. Haseltine & Co., \$25.00; Howard-Cooper Corporation, \$392000; Road Builders' Equipment Co., \$21.90; State Highway Commission, \$400.00; Hogg Bros., \$236.15; C. G. Miller Co., \$53.05; A. Mather, \$18.93; Oregon State Highway Commission, \$161.44; Board of Water Commissioners, \$1.75; P. M. Holst, \$100.00; R. W. Lee & Co., \$11.00; Wilsonville Garage, \$24.05; Frank Busch & Sons, \$29.90; W. F. Haberlach, \$7.20; State Industrial Accident Commission, \$304.69; Patterson Parts Inc., \$2.25; Frank Hopp, \$1.50; Pacific Highway Garage, \$65.95; Edward Rose Kilgallon, \$50.00; W. N. Chilcote, \$13.50; Abe Gilbert, \$203.11; Feenaughty Machinery Co., \$105.45; F. H. Cross, \$1.60; Howard-Cooper Corporation, \$16.43; The Good Roads Machinery Co., \$3.50; Road Builders' Equipment Co., \$49.00; Standard Oil Company, \$406.98; H. S. Goldman, \$1.25; R. Haesler, \$1.25; H. H. Duncan, \$10.50; M. D. Say, \$100.00; Carlton & Rosenkrans Co., \$14.55; Erickson & Co., \$5.75; G. J. Friedrich, \$77.17; American Ry. Express Co., \$43; Dolly Pratt, \$100.00 Banner-Courier, \$31.75; Russell Grader Mfg. Co., \$13.50; Russell Grader Mfg. Co., \$80.40; J. W. Schulz, \$36.72; Pacific Telephone and Telegraph Co., \$15.65; Oregon Electric Ry. Co., \$20.00; E. Beers, \$77.59; Carl Loudres, \$54.97; Dick Stricker, \$63.62; J. Jackson, \$18.09; H. Henrick, \$89.82; C. H. Henrick, \$75.02; Carl Loudwy, \$4.48; L. Rambo, \$5.98; J. W. Margeson, \$41.89; O. Striker, \$14.97; A. J. Bell, \$11.97; C. M. Fairbrother, \$11.97; Walter J. Henrick, \$82.01; Joe Lilly, \$4.91; M. Richey, \$6.22; J. S. Heddin, \$18.67; H. Ackerson, \$3.73; E. Barling, \$3.73; H. Oakes, \$12.45; W. B. Richard, \$7.47; L. Dalley, \$7.47; N. A. Eckles, \$7.47; F. E. Hartnell, \$7.47; Arther Smith, \$7.47; Jack Votley, \$7.47; C. H. Farmer, \$34.93; Jim Margeson, \$84.93; Otto Striker, \$34.93; W. S. Gorbett, \$39.92; Dick Striker, \$4.99; C. A. Wallace, \$31.43; F. E. Churchill, \$16.44; Earl Starks, \$16.44; M. Kay, \$14.94; Ed Rundle, \$9.96; B. F. Klinger, \$8.71; W. D. Crawford, \$9.96; S. R. Broadwell, \$12.47; Odist Central, \$26.91; S. A. Mead, \$28.01; S. Nash, \$71.09; Walter Harvey, \$50.90; A. C. Scheer, \$59.60; T. C. Thomas, \$81.26; Albert Scheer, \$71.09; Eldon Swick, \$71.09; E. James, \$64.11; L. W. Davies, \$81.28; Hogg Bros., \$32.20; Stefani Lumber Co., \$5.90; Beaver Creek Garage, \$19.20; Frank Busch & Sons, \$4.87; Frank Hopp, \$5.00; Standard Oil Co., \$36.75; Howard-Cooper Corporation, \$7.53; W. R. Telford, \$19.75; Pacific Highway Garage, \$7.94; Francis Welsh, \$48.50; Willamette River Lumber Co., \$11.90; East Side Mill & Lumber Co., \$18.90; Abe Gilbert, \$7.00; Standard Oil Co., \$18.13; R. Schuebel, \$4.00; H. Ellingson, \$3.49; Bert Wallace, \$10.47; William Roberts, \$40.13; Earl Strong,

\$41.88; F. Bluhm, \$15.71; John Heft, \$90.87; Almon Heft, \$45.37; F. L. Rambo, \$27.92; John Heft, \$88.88; Almon Heft, \$41.88; A. Perry, \$17.45; Millard Sarver, \$8.72; Wm. Pinkley, \$2.49; E. D. Davis, \$7.98

ROAD DISTRICT NO. 11—G. S. Bullock, \$537.20

MARKET ROAD NO. 1—J. W. Miles, \$40.50; D. T. Meldrum, \$13.85; Charles Fisher, \$14.75; Larson Bros., \$16.00; Canby Hardware & Implement Co., \$4.29; D. R. Dimick, \$72.35; W. S. Gorbitt, \$12.96; Dick Ball, \$3.72; J. W. Garrett, \$66.40; P. E. Bony, \$22.43; Walter Beck, \$42.88; Charley Garrett, \$6.22; Delbert Fisher, \$14.94; Wm. Miettunen, \$12.45; Tom Johnson, \$14.97; W. H. Rambo, \$90.42; Cecil Wells, \$69.56; Chas. Simmons, \$53.76; J. W. Miles, \$13.06; G. D. Hammond, \$4.99; Geo. Pennell, \$65.30

MARKET ROAD NO. 2—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 3—Paul R. Meinig, \$100.80; Banner-Courier, \$2.40; D. T. Meldrum, \$6.25; H. H. Udell, \$94.48; H. R. Devlin, \$28.63; A. W. Anderson, \$29.88; Herbert Udell, \$30.49; J. M. Parks, \$32.37; Harold Parks, \$36.10; Frank Miles, \$51.12; Ray Hanson, \$57.38; William Hanson, \$32.06; Geo. Allbeier, \$2.49; M. S. Verdigan, \$3.73; Geo. Allbeier, \$2.49.

MARKET ROAD NO. 4—J. W. Miles, \$40.50; D. T. Meldrum, \$13.85; Charles Fisher, \$14.75; Larson Bros., \$16.00; Canby Hardware & Implement Co., \$4.29; D. R. Dimick, \$72.35; W. S. Gorbitt, \$12.96; Dick Ball, \$3.72; J. W. Garrett, \$66.40; P. E. Bony, \$22.43; Walter Beck, \$42.88; Charley Garrett, \$6.22; Delbert Fisher, \$14.94; Wm. Miettunen, \$12.45; Tom Johnson, \$14.97; W. H. Rambo, \$90.42; Cecil Wells, \$69.56; Chas. Simmons, \$53.76; J. W. Miles, \$13.06; G. D. Hammond, \$4.99; Geo. Pennell, \$65.30

MARKET ROAD NO. 5—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 6—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 7—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 8—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 9—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 10—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 11—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 12—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 13—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 14—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 15—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 16—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 17—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 18—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 19—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 20—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 21—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 22—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 23—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 24—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

MARKET ROAD NO. 25—The Good Roads Machinery Co., \$39.70; Road Builders' Equipment Co., \$39.63; D. T. Meldrum, \$10.85; Crawford Bros. Motor Co., \$2.87; Wm. Lins, \$8.00; J. L. Rucker, \$13.50; Carl Rath, \$9.50;

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