

America Leads Power on Farm

More Mechanical Energy in Use Per Worker Than in Factories

By CALEB JOHNSON

Let us think for a minute of farming in terms of power.

Animal power as well as mechanical power.

Farming without power is almost inconceivable to the American mind. Yet in Italy today there is only one horse to every five farm workers. At the beginning of the World war, when the use of animals on American farms was at its peak, we had more than two horses for every man employed in farm labor; Great Britain had less than one horse per man, Germany one horse for each two farm hands, France one horse to three laborers.

Power on the farm then, is nothing new in America. It is the secret of our greater farm prosperity. And in introducing mechanical power on the farm we are still leading Europe and the rest of the world.

In the form of tractors and other power driven machinery we had more than two horsepower per worker on the farms in 1900, thirty years ago. In manufacturing industry less power was in use per worker than on the farm.

The same proportion obtained down to 1925. It is only in the past five years that workers in industry had more mechanical power per man at their disposal than workers on the farm. Now the average worker in industry uses about five horsepower, while the average farm worker has at his command only slightly less mechanical power and more in the form of animal power.

And the greatest increase in the use of power, if the present tendency is a fair indication, will be on the farm. The horses and mules are being replaced by engines much more powerful than the animals are.

All of that means that the farm output per person employed in farm work is steadily growing larger. Fewer men are needed to produce and transport to market the same amount of foodstuffs or other agricultural commodities.

This increase in farm productivity has been going on for a hundred years. In 1830 it took the labor of three-quarters of the people of the United States to grow the commodities necessary to feed and clothe themselves and the rest of the population. By 1900, through the addition to the farm equipment of more horses and of mechanical power driven implements, we had reached a stage of efficiency which required the work of not more than four-tenths of the whole population to feed and clothe us all.

This year's census is not complete, but it seems certain that it will show that not more than a quarter of the entire population of the United States is actually engaged in farm work; and the continuing increase in power equipment may, and probably will, reduce this proportion to 15 per cent in the course of another ten years. That is what the statistical experts figure—that eventually we shall reach such a stage of agricultural efficiency that only 15 per cent of the people will be required to grow all of the crops and livestock which the entire 100 per cent of the people consume.

The present volume of power in use on the farms of America is estimated at 50,000,000 horsepower. This is divided among nearly 25,000,000 separate units, of which horses and mules still comprise the larger proportion. But in addition to some 18,000,000 work animals there are in use 853,000 farm tractors, 697,500 trucks—the farm job is in very large part a transportation job—2,500,000 stationary gas engines, 1,000,000 windmills, 300,000 individual electric plants and 500,000 central station electric installations. These figures do not include nearly 5,000,000 passenger automobiles which are owned by farmers, as they are not primarily production machines.

There will always be plenty of work for human beings to do in farming. Few machines run themselves; few of the kind that can run themselves can do the varied things which must be done on the farm. So in machine tending alone there will always be the need of human labor, though not so much in proportion to the work done as is needed to take care of the horses and mules which mechanical electric power is displacing. There will always be farms on which horses or mules will do most of the work, farms where power from other sources cannot be used economically.

It does not follow, however, that even small farms cannot be largely operated more efficiently by the aid of mechanical power. There is a great deal of talk about the "farm of the future" as a great area operated like a factory, with workers employed by the operating corporation on an eight-hour day schedule, living in town and mo-



Lupe Velez and John Holland in a scene from "Hell Harbor" which comes Sunday to the Fox McDonald

toring out to their jobs every morning.

Beyond doubt there will be a good deal more of that kind of farming in the future than there is now, and there is quite a bit of it now. But it will be confined to a few specially favored areas and a few staple crops. And it will come very far from satisfying the vast majority of those who now live on their farms, to whom farming is something more than a means of livelihood, but rather, as President Hoover phrased it, a mode of living, which appeals to them more strongly than any other mode of living.

Perhaps the greatest value, after all, in the increasing use of power on the farm is in the domestic applications which make this mode of living so much easier and more comfortable, for the farmer's family as well as for the farmer himself, than life on the farm used to be.

MANY INTERESTING PLACES ARE VISITED ON VACATION TRIP

I. M. Peterson, city recorder, returned to Springfield Monday evening following a ten-day vacation which was spent in southern Oregon and California. Mrs. Peterson and her parents, Mr. and Mrs. A. Bendler of Hillsboro, and her sister, Eleanor, all of whom accompanied Mr. Peterson, stopped at Medford on the return trip and will spend a few days there with her brother before returning to their homes.

Many interesting places were visited on the trip, according to Mr. Peterson. They first drove to Medford and Crater Lake. Later they went to the Sacramento valley where they visited with relatives. The weather was very warm there.

From here they visited the Yosemite national park and Yosemite falls. A short visit was made at the home of Mr. Peterson's sister, Mrs. Ernest Ford, at Hollister, California, near San Francisco and a day was spent visiting the Golden Gate park.

The return trip was made over the Redwood highway as far as Crescent City and back through Grants Pass where they saw the Oregon Caves. The Redwood highway was in fine shape in Oregon, according to Mr. Peterson. The only construction work on that section of the highway is being done in California. Electric lights have not been installed in the caves yet, he stated.

Medford People Here—Mr. and Mrs. Bert Gregory and two daughters, Virginia and Marjorie, all of Medford, are guests at the home of Mr. and Mrs. L. E. Stone.

"HELL HARBOR" AT McDONALD SATURDAY

That gay lusty madcap of a Mexican girl, Lupe Velez, comes to the Fox McDonald on Sunday for three days, with Jean Hersholt and John Holland in "Hell Harbor," the United Artists-Inspiration conception of what it is like for a young girl to match her wits with a mercenary father and an avaricious trader.

The story brings one back to those glamorous days when pirates really had cutlasses and black-eyes. It winds its way thrillingly through a series of murders and scrimmages and concludes as all stories must conclude—with the vivacious Lupe fast in the arms of her man and the moon shining down upon them.

Acted to the hilt by the cast which includes, besides Miss Velez, Jean Hersholt and John Holland, also Gibson Gowland, Harry Allen, Al St. John, Paul Burns and George Book-Asta.

COUSINS HAVE FIRST MEETING ON SATURDAY

After having lived in adjoining states for several years and now living in the same state, Mrs. Fred Frese met two of her cousins for the first time last Saturday. They were Mrs. Ralph Davis and Sol Baumann, both of Salem. They formerly lived in North Dakota at the time Mrs. Frese lived in South Dakota and have recently moved to Salem where they expect to make their homes. Mrs. Davis and Mr. Baumann returned to Salem on Sunday after having spent the week-end here.

They were taken out to the fish racks near Hendricks bridge on Sunday and saw many large salmon leaping over the gates.

BARBARA BARNELL GIVES INTERESTING RECITAL

A capacity crowd filled the auditorium at the McMorran and Washburne store in Eugene Saturday night to hear the public piano recital of Miss Barbara Barnell, daughter of Mr. and Mrs. W. K. Barnell, who is only 11 years old. She played a total of 19 selections, which were arranged in five different groups, entirely from memory. Miss Barnell has been taking lessons from Reuben Charlyle Gofreiere.

Florence May and Irene Anderson served as ushers for the recital and many beautiful baskets of flowers were presented to the young musician at the conclusion of her recital.

COMIC FEATURES FOR 4TH OF JULY ON FOX-McDONALD PROGRAM

The latest Cohen-and-Kelly picture will be seen at the Fox McDonald for the 4th and 5th of July, with more laughs than there are Scotch jokes.

"The Cohens and Kellys in Scotland" is the fourth and funniest of Universal's hilarious series involving the adventures of the two best-loved and laughed-at filmland families.

Mrs. Cohen and Mrs. Kelly, of course, add to the difficulties of the droll partners.

"The Cohens and Kellys in Scotland" again unites the original Cohen and Kelly, George Sidney and Charlie Murray who celebrate their reunion by topping all their previous efforts.

Vera Gordon and Kate Price portray the respective wives. E. J. Ratcliffe, William Colvin and Lloyd Whitlock also have important roles.

Additionally, this Fox McDonald 4th of July program contains complete motion pictures of the recent Sharkey-Schmeling world's championship first, filmed in sound. The entire four rounds of the fight, including the foul blow that cost Sharkey the fight, and gave the world belt to Max, is also shown in the film.

Friday and Saturday brings Ken Maynard back to the Fox Rex for the 4th of July celebration, this time in his newest talker, "The Song of the Carallero." In it the "west's favorite son" is said to offer the ultimate in laughing thrills and western adventure, replete with romance. Continuous performance will be given at both Fox West Coast theatres, from immediately after the parade, at 11 a. m., until midnight, July 4th.

Have Daughter—Mr. and Mrs. Howard Arledge of Wendling are the parents of a baby daughter born to them at the Eugene hospital on Monday, June 30, 1930.

Tonsils Removed—Miss Ellen Moscop had her tonsils removed at the office of a local physician on Tuesday.

REPORT OF CONDITION OF THE Commercial State Bank of Springfield

at Springfield, County of Lane, State of Oregon, at the close of business June 30th, 1930

RESOURCES	
Loans and discounts	\$125,888.63
Overdrafts	208.29
Bonds, securities, etc.	37,341.88
Banking house \$14,800.00; furniture and fixtures \$3,157.00	18,057.00
Real estate owned other than banking house	10,441.87
Cash, due from banks and cash items	27,397.46
Total	\$219,235.12
LIABILITIES	
Capital stock paid in	\$ 30,000.00
Surplus	4,000.00
Undivided profits—net	605.85
Demand deposits	127,062.50
Time certificates	24,428.81
Savings deposits	22,107.86
Bills payable and rediscounts	11,000.00
Other liabilities	39.00
Total	\$219,235.12

State of Oregon, County of Lane, ss:
I, C. E. Kenyon, cashier of the above-named bank, do solemnly swear that the above statement is true to the best of my knowledge and belief.
C. E. KENYON, Cashier.

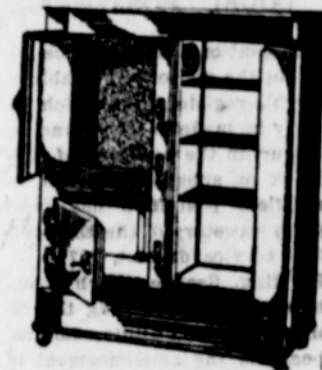
Correct—Attest:
Welby Stevens, Charles F. Eggimann—Directors.
Subscribed and sworn before me this third day of July, 1930.
(SEAL)
I. M. PETERSON, Notary Public for Oregon.
(My commission expires June 1, 1932.)

NEW RECORDS

Since Violet Ray Ethyl gasoline came out new records for mileage are being made. You can make one in your car, too, if you choose Ethyl.

Delivers more miles, more power and keeps your engine clean by converting carbon into energy. For the most satisfaction you should drive with Violet Ethyl.

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Leonard Refrigerators

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Thrifty housewives will be delighted at the Savings and the large assortment of different styles to choose from. Models to fit every woman's purse. Come early before the best values are sold.

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WITH EACH REFRIGERATOR OVER \$20.00

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Wright & Sons

Charter No. 8941 Reserve District No. 12

REPORT OF CONDITION OF THE First National Bank

Of Springfield, in the State of Oregon, at the close of business on June 30th, 1930

Loans and Discounts	\$ 87,805.75
Overdrafts	50.80
United States Government securities owned	27,195.35
Other bonds, stocks, and securities owned	73,292.90
Furniture and fixtures	5,400.00
Real estate owned other than banking house	11,925.00
Reserve with Federal Reserve Bank	16,667.91
Cash and due from other banks	51,792.51
Redemption fund with U. S. Treasurer and due from U. S. Treasurer	312.50
Total	\$274,442.77

LIABILITIES	
Capital stock paid in	\$ 25,000.00
Surplus	3,250.00
Undivided profits—net	3,133.31
Circulating notes outstanding	6,250.00
Cashiers' checks outstanding	528.26
Demand deposits	156,830.77
Time Deposits	79,450.43
Total	\$274,442.77

State of Oregon, County of Lane, ss:
I, Wm. G. Hughes, president of the above named bank do solemnly swear that the above statement is true to the best of my knowledge and belief.
WM. G. HUGHES, President.

Correct attest: S. M. McPherson, A. R. Sneed, L. K. Page, Directors.
Subscribed and sworn before me this 2nd day of July, 1930.
(SEAL)
FRANK A. DePUE, Notary Public for Oregon.
(My commission expires Jan. 11, 1932.)

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