

WHEAT HARVEST COMBINES MADE

Government Experts Declare Machine Reduces Loss and Man-Hours

WASHINGTON (AP)—The government experts declare the new combine harvester, costing approximately \$4,000, reduces grain loss from 25 percent per acre to 12 percent, increases capacity per acre from 200 to 375 bushels, and reduces man-hours per acre from 15 to 5. It eliminates all cost of extra and separate threshing.

An eight to ten-foot combine combines 1.4 gallons of fuel per acre, weighs 2 1/2 tons per hour for an average cut of two acres per hour, and can be used to harvest wheat, oats, barley and rice.

WASHINGTON (AP)—When the new combine harvester is used, the loss of grain is reduced from 25 percent to 12 percent, and the man-hours required are reduced from 15 to 5 per acre.

H. H. Taylor, director of farm management, said the combine is the first to be used in the United States since the introduction of the idea to Pacific coast states eight years ago.

"The new combine," Taylor says, "likely will concentrate on a ten-foot cutting bar and utilize the power take-off principle, a system by which motive energy for the grain separator is taken directly from the tractor. The entire machine will be pulled by a tractor whose drawbar rating is 15-horsepower, or less."

"Considered an expert on farm costs, Taylor figured that if as much as 100 acres of wheat is to be harvested, it is no more expensive to own and operate a combine than it is to cut the grain with a binder and hire a 'threshing rig' to complete the operation."

"Regular topography of modern fields," he says, "is no serious handicap. The new combine is equipped with leveling devices that adjust the reel, platform and separator to even steep hillsides. The only drawback is the fact that soft wheat of the West contains high percentages of moisture, not as much as 20 percent. A 15 percent moisture is safe, but all over that subjects stored grain to dangerous heating."

"At Blacksburg," he continues, "it was found necessary, after harvesting with a combine, to spread

Lindy's Cousin



Miss Adelaide Lodge, daughter of Edwin Lodge, who is an uncle of Lindy's mother, has been selected to unveil a tablet on the Detroit, Mich., house in which the famous flyer was born. The ceremony will take place when Lindy comes to Detroit on his flying tour of the country.

He wheat on a farm floor to dry. The best has no practical method of drying it in grain, either on the farm or at the elevator. We are developing suitable processes to replace that natural interim between binder reaping and stationary threshing which heretofore has given soft wheat time to dry.

"The need has no such problem, at least none so important. It grows a hard wheat that usually is dry enough to market at the time it is cut with a combine. That, together with our average, has been responsible for popularity of the combine, first in the far west and in Montana, Nebraska, then in the middle west. In 1924 there were 60 combines in Illinois. This year there were approximately 260, and Indiana is reported to have used almost 50.

"In the middle-west and the east, where farmers farm thousands of acres and the individual wheat fields are smaller, the combine can be used and operated profitably on the order of a public utility. The combine is more expensive than either the binder or the header, when a small acreage is cut, but the combine takes an immediate and pronounced drop above the 100-acre point, while the cost of the binder and header remains constantly higher than the combine in harvesting even as much as from 400 to 600 acres."

Farm Pointers

SEEDS of an estimated value of \$425,000,000 and poultry with a value of \$181,000,000, or a grand total of \$1,141,000,000, were produced on the farms of the United States in 1926. Iowa led all other states in chickens and egg production. Specialized egg farming is particularly important in the Pacific coast and in the northern states.

Unless intended for windbreaks, trees and plantations should be located on the poorest soil of the farm, that least suited to production of agricultural crops. Hillsides, poorly drained land, or rocky, or sandy situations should be avoided if possible. Corn and a farm cut off by a stream or railroad may be chosen. If there are no work places, the plantation should be located near the farm buildings, where it not only will be convenient, but will serve as a windbreak.

Windows of a dairy barn should be evenly distributed so as to permit light to reach all corners of the stable. From the standpoint of sanitation it is not possible to provide too much light, but, because of the rapid radiation of heat from glass, it is necessary to make the area compatible with local climatic conditions. In no case should the window glass be less than four square feet per cow.

Full rations should be given the same kind of feed as before calves.

NOTICE

The Sanitary Grocery at the south end of Fourth street which was formerly run by Mrs. Geo. Baker will be opened under new management Monday morning, Aug. 15th by Fritz Hofman. It will go by the name of Hofman's Grocery and will be a cash store.

Mr. Hofman was formerly owner of the Swiss Dairy. Hofman's Grocery 306 4th St.

However, they should receive more because their growth is faster. It also is a good plan to delay their weaning a month or two longer than that of heifers.

The best method of obtaining the maximum in the elimination or treatment of all breeding phases. During the summer it is desirable that stable manure be scattered thinly over fields in need of fertilization, or stored in fly-tight pits or bins immediately after voided. Otherwise, the manure pile should be treated with some chemical to kill eggs and maggots of the house fly. Either powdered kerosene or powdered borax applied to water, is satisfactory.

A well-planned and equipped barn saves time and labor for the farmer, and provides comfortable quarters for livestock, while the poorly-planned barn is a daily source of annoyance and of wasted time and money.

"Crop insurance" is a new idea introduced by Mr. John Russell, director of the Northwestern Experimental Station, Harpenden, Eng. The Egyptian cottons were raised and, "It is now possible, he said,

to draw up tables for the expected yield of crop yields, corresponding to the tables for the expected yield of human life which form the basis of life insurance. He believes the farmer's crop can be insured against the hazards of weather.

WEDDING ANNIVERSARY BUSY DAY FOR KING

LONDON (AP)—King George had one of the most eventful days of his long life on the thirty-fourth anniversary of his marriage. In the afternoon, with Queen Mary, he drove down to the East End of London to visit the People's Palace and inspect railway works at Stratford. Here the Royal party moved through lines of some of the poorest slums of London and reached the most heavily congested.

That evening the king was guest of King Fuad at the Egyptian Legation, where he was surrounded by Oriental splendor. The khedive of Egypt was introduced into the scene and the khedive carried out in true Egyptian style. The Egyptian couples were seated for the occasion.

GERMAN RAILWAYS TO BEAUTIFY GROUNDWORK. BERLIN (AP)—The German Railway Administration has set aside 1,000 monetary prizes, ranging from \$2 to \$5, for horticultural or agricultural arrangements along railway embankments or around stations.

To qualify for such a prize, one of the following points must be considered: floral decorations to the windows or on the verandas of stations, switch-houses, repair

shops, walls or fences with creepers like wild vine or ivy; planting of trees, bushes, shrubs or hedges alongside of railway embankments; or the cultivation of land adjoining the tracks.

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