

MACHINERY CARE CHEAPER THAN COST OF NEGLECT

Shed, Grease, Paint, Varnish, Help
Prolong Life and Smooth Running
of Implements.

"Proper housing of machinery is the first essential in cutting down expenses of upkeep," says A. E. Brandt of the farm mechanics department.

"The saving on the machinery will repay the cost of the buildings many times over, especially in western Oregon and Washington where rainfall is heavy in winter," he explains.

"When the fall work is finished, all implements should be carefully overhauled and cleaned. Use of a little paint, grease and varnish go a long way toward reducing depreciation. Unpolished metal surfaces and wooden parts of machines should be painted. All bearings should be oiled or greased. Polished metal surfaces, such as mould boards, plowshares, and cultivator shovels, may be covered with varnish.

"Many persons use grease or paint for protecting polished surfaces, but varnish is preferable as it is impossible to exclude all the moisture by use of grease. Paint excludes the moisture, but is hard to remove. Varnish is easily removed by use of a strong lye solution when it is desired to use the machine again."

Inquiries regarding farm problems are welcomed by the farm mechanics department. Plans and specifications of farm structures are furnished free of charge.

"HORSE IN MOTION," NEW FILM, ANALYZES MOVEMENTS

You have seen a horse walk, trot, pace, gallop, run, and jump, but do you know just how he does it? You can learn how from a new United States Department of Agriculture motion picture, "The Horse in Motion."

This one-reel film, sponsored by the Bureau of Animal Industry, is an analysis by means of a high-speed camera of all the important gaits of horses. The gaits are first shown at normal speed, followed by the retarded action, one-eighth of normal. The normal pictures were made sixteen to the second, but the slow pictures were made 128 to the second. Among the types of horses shown are draft animals, pacers, trotters, hunters, runners, and cavalry horses.

The technique of the jumps is demonstrated by Dandy Dude, owned by Gen. John J. Pershing, who was present at the first showing of the film in Chicago, before the Horse Association of America. The movements of cavalry horses are shown by three troops of United States cavalry in a stirring charge on the parade ground at Fort Myer, Va.

"The Horse in Motion" will be circulated through the Department of Agriculture's film distribution system. Copies may be bought by authorized purchasers at the cost of printing.

(Published by request of the Boardman Grange)

THE NATIONAL GRANGE

Declaration of Purposes of the Patrons of Husbandry

PREAMBLE

Profoundly impressed with the truth that the National Grange of the United States should proclaim to the world its general objects, we hereby unanimously make this Declaration of Purposes of the Patrons of Husbandry:

GENERAL OBJECTS

1. United by the strong and faithful tie of Agriculture, we mutually resolve to labor for the good of our Order, our country, and mankind.

2. We heartily endorse the motto: "In essentials, unity; in non-essentials, liberty; in all things, charity."

SPECIFIC OBJECTS

3. We shall endeavor to advance our cause by laboring to accomplish the following objects:

To develop a better and higher manhood and womanhood among ourselves. To enhance the comforts and attractions of our homes, and strengthen our attachments to our pursuits. To foster mutual understanding and cooperation. To maintain inviolate our laws, and to emulate each other in labor, to hasten the good time coming. To buy less and produce more, in order to make our farms self-sustaining. To diversify our crops and crop no more than we can cultivate. To condense the weight of our exports, selling less in the bushel and more on hoof and in fleece, less in lint and more in warp and woof. To discountenance the credit system, the mortgage system, the fashion system, and every other system tending to prodigality and bankruptcy.

We propose meeting together, talking together, working together, buying together, and, in general, acting together for our mutual protection and advancement, as occasion may require. We shall avoid litigation as much as possible by arbitration in the Grange. We shall constantly strive to secure entire harmony, good will, vital brotherhood among ourselves, and to make our Order perpetual. We shall earnestly endeavor to suppress personal, local, sectional, and national prejudices, all unhealthy rivalry, all selfish ambition. Faithful adherence to these principles will insure our mental, moral, social and material advancement.

BUSINESS RELATIONS

4. For our business interests we desire to bring producers and consumers, farmers and manufacturers into the most direct and friendly relations possible. Hence we must dispense with a surplus of middlemen, not that we are unfriendly to them, but we do not need them. Their surplus and their exactions diminish our profits.

We wage no aggressive warfare against any other interests whatever. On the contrary, all our acts, and all our efforts, so far as business is concerned, are not only for the benefit of the producer and consumer, but also for all other interests that tend to bring these two parties into speedy and economical contact. Hence we hold that transportation companies of every kind are necessary to our success, that their interests are intimately connected with our interests, and harmonious action is mutually advantageous, keeping in view the first sentence of our Declaration of Principles of Action, that "Individual happiness depends upon general prosperity."

We shall therefore advocate for every state the increase in every practicable way, of all facilities for transporting cheaply to the seaboard, or between home producers and consumers, all the productions of our country. We adopt it as our fixed purpose to "open up the channels in nature's great arteries, that the life-blood of commerce may flow freely."

We are not enemies of railroads, navigable and irrigating canals, nor of any corporation that will advance our industrial interests, nor of any laboring classes.

In our noble Order there is no communism, no agrarianism.

We are opposed to such spirit and management of any corporation or enterprise as tends to oppress the people and rob them of their just profits. We are not enemies to capital, but we oppose the tyranny of monopolies. We long to see the antagonism between capital and labor removed by common consent, and by an enlightened statesmanship worthy of the twentieth century. We are opposed to excessive salaries, high rates of interest and exorbitant profits in trade. They greatly increase our burdens and do not bear a proper proportion to the profits of producers. We desire only self-protection and the protection of every true interest of our land, by legitimate transactions, legitimate trade, and legitimate profits.

EDUCATION

We shall advance the cause of education among ourselves, and for our children, by all just means within our power. We especially advocate for our agricultural and industrial colleges, that practical agriculture, domestic science, and all the arts which adorn the home be taught in their courses of study.

THE GRANGE NOT PARTISAN

5. We emphatically and sincerely assert the oft-repeated truth taught in our organic law, that the Grange—National, State or Subordinate—is not a political or party organization. No grange, if true to its obligations, can discuss partisan or sectarian questions, nor call political conventions, nor nominate candidates, nor even discuss their merits in its meetings.

Yet the principles we teach underlie all true politics, all true statesmanship, and if properly carried out, will tend to purify the whole political atmosphere of our country. For we seek the greatest good to the greatest number.

We must always bear in mind that no one, by becoming a Patron of Husbandry, gives up that inalienable right and duty which belongs to every American citizen, to take a proper interest in the politics of his country.

On the contrary, it is right for every member to do all in his power legitimately to influence for good the action of any political party to which he belongs. It is his duty to do all he can to put down bribery, corruption, and trickery; to see that none but competent, faithful and honest men, who will unflinchingly stand by our interests, are nominated for all positions of trust; and to have carried out the principle which should always characterize every Patron that

THE OFFICE SHOULD SEEK THE MAN, AND NOT THE MAN THE OFFICE

We acknowledge the broad principle, that difference of opinion is no crime and hold that "progress toward truth is made by differences of opinion," while "the fault lies in bitterness of controversy."

We desire a proper equality, equity, and fairness; protection for the weak, restraint upon the strong, in short, justly distributed burdens and justly distributed power. These are American ideas, the very essence of American independence and to advocate the contrary is unworthy of the sons and daughters of the American Republic.

We cherish the belief that sectionalism is, and of right should be dead and buried with the past. Our work is for the present and the future. In our agricultural brotherhood and its purposes, we shall recognize no North, no South, no East, no West.

It is reserved by every Patron, as the right of a free man to affiliate with any party that will best carry out his principles.

OUTSIDE CO-OPERATION

6. Ours being peculiarly a farmers' institution we cannot admit all to our ranks.

Many are excluded by the nature of our organization, not because they are professional men, or artisans, or laborers, but because they have not a sufficient direct interest in tilling the soil or may have some interest in conflict with our purposes. But we appeal to all good citizens for their cordial co-operation and assistance in our efforts toward reform, that we may eventually remove from our midst the last vestige of tyranny and corruption.

We have the general desire for fraternal harmony, equitable compromises, and earnest co-operation as an omen of our future success.

CONCLUSION

7. It shall be an abiding principle with us to relieve any of our oppressed and suffering brotherhood by any means at our command.

Last, but not least, we proclaim it among our purposes to inculcate a proper appreciation of the abilities and sphere of woman, as is indicated by admitting her to membership and position in our Order.

Imploring the continued assistance of our Divine Master to guide us in our work, we pledge ourselves to faithful and harmonious labor for all future time, to return by our united efforts to the wisdom, justice, fraternity and political purity of our forefathers.

Issued by authority of National Grange. Additional copies can be had free by addressing C. M. Freeman, Secretary National Grange, Tippecanoe City, Ohio.

FARM TOPICS

Folks who want summer pasture for hogs can plant Dwarf Essex rape, at about 5 pounds an acre in April, May or June and have a good hog pasture in six to eight weeks after the seed is sown.

The seed is planted. The later plantings, if the soil has been prepared early, usually make a good deal of excellent summer hog pasture.—O. A. C. Experiment station.

The best spring planted annual legume hay crop or silage crop or green feed crop for this coast region is peas and oats. White Canadian field peas at about 90 pounds an acre with 50 to 60 pounds of oats make a large yield of feed which reaches the hay stage about the middle of the summer. It is good for silage or for hay and may be cut for feed green for a long time before it reaches the hay stage. It is important that it be planted early, as in late March or in the month of April later plantings do not get good yields.—O. A. C. Experiment station.

Clean up the gophers now. There was never a better time. The high water has killed all of them except those on the high ground. With a little poison the few remaining can be killed and it will be some time before they can increase in number to do any damage.—O. A. C. Experiment station.

One way to catch coyotes is to place traps for them on sheep trails, ways just after the flocks are started down from the summer ranges. Almost immediately the coyotes that follow sheep bands are caught. One of the inspectors of the Biological Survey, United States Department of Agriculture, recently made a catch of ten coyotes in seven days in this way.

BULLETIN OF BOARDMAN COMMUNITY CHURCH SERVICE

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