

**Andover Chamber of Commerce**  
**LODGE I. O. O. F. No. 788**  
 Meets Every Tuesday Evening. Visitation on Wednesdays. **L. D. THOWBRIDGE, N. G. AMES L. ROGERS, Secy.**

**LODGE F. & A. M. No. 858**  
 Meets 1st and 3rd Monday evenings of each month at 8 o'clock. Visitors always welcome. **J. E. THEETGE W. M. H. D. SMITH Secy.**

**ANDOVER GRANGE NO. 1068**  
 Meets Every Second and Fourth Wednesday Evening, I. O. O. F. Hall. **CLIFFORD T. BURDICK, Master, MRS. AGNES ROBINSON, Lecturer, HARRY SMITH, Secretary** Visitors Always Welcome

**WALTER J. GRENOLDS, M. D.**  
 Will answer all country calls. Office Hours 8-10 A. M. 1-3 P. M. 7-9 P. M. Office Main and Center Andover, N. Y.

**W. O'DONNELL, M. D.**  
 Physician and Surgeon Office and Residence, Church St. ANDOVER, N. Y.

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 101 Main Street

### Of Interest to Farmers

#### REAL BALL BEARINGS FOUND IN GOOD OIL

That is Why Proper Lubrication Keeps Farm Machinery From Tearing Itself to Pieces

Ball bearings to fit every farm machine can be purchased cheaply by the quart, gallon, or barrel, according to the farm engineers at the State College of Agriculture at Ithaca. The answer is, good oil, the particles of which are round and thus easily act as minute ball bearings between the surfaces of metal in moving parts.

It is pretty generally known, say the experts, that a good film of good oil on all bearing surfaces will make machinery last longer, but the reason for this is particularly interesting. Any piece of steel, when put under a microscope, shows its surface composed of thousands of jagged points like the teeth of a saw.

**An Example in Mower**  
 As the axle of the mower, for example, turns in its box, these small jagged teeth of the axle interlock with those of the box; if they are not protected from each other by the oil "ball-bearings," something has to go. The result is that these minute steel teeth are pulled out, ripped and twisted, and others are pulled into their places from the body of the steel itself, which process soon results in loose bearings, excessive wearing, and general wrack and ruin.

If these surfaces are kept well oiled, however, the oil, being a liquid, distributes itself between the moving parts, keeps the tiny teeth separated, and enables the moving parts to roll these tiny globules instead of tearing themselves to pieces against each other.

#### FARM WOMAN CARRIED STEEL TRAIN'S WEIGHT

In Lugging Water From the Pump She Took the Equivalent of a "Hike" Across the Continent

There's a farm woman in the United States who, during the 50 years she had lived on the same farm, has walked 5,710 miles to and from the well and has carried nearly 2,000 tons of water; yet \$18 would have been the cost of extending a pipe from the well and putting the pump in the kitchen.

Also this particular farmer's wife happened to live in another state, rural engineering men at the State College at Ithaca say that similar situations can easily be found within the borders of New York.

They point out that many farmers, however, are coming to the conclusion that life is too short for their wives to spend it walking an equivalent of the distance from Syracuse to Salt Lake City, Utah, and back, with a side trip to New York, especially since on this little jaunt they carry water having a total weight of a modern train consisting of a locomotive and twenty steel sleepers.

#### HAULING OUT THE MANURE

Many New York farmers this fall and winter have been cleaning out the manure pit or spreading the pile of manure on the new seeding, or on land to be plowed in the early spring. This is good practice, they say at the agricultural college, for when manure is exposed to the rain, the best part of it may be lost during an open winter and spring. When it is spread on the land, the rain washes the soluble part of the manure into the soil, ready for use by the next crop.

#### Agriographs

**If you put the cap up for the winter, save the tires by jacking up the wheels.**

Some say that the person who starts a forest fire ought to be convicted of arson.

Uncle Ab says: "If you plow the first furrow straight the rest are pretty likely to be straight, too."

"The Farm Ice Supply." Winter's the time to get it. The State College at Ithaca has a bulletin on the subject. Ask for F. 125.

New York State farms are gradually growing larger; dairy cows are increasing; beef cattle, sheep, and hogs are decreasing. New York now has 9259 farm-owned motor trucks and 7497 farm tractors. So says the last census.

In Ohio they say, "Acid phosphate and limestone make an excellent lead team where legumes and manure are behind them." New York dairy farmers can't go far wrong in hitching up with Ohio's four horse team—limestone, acid phosphate, manure, and clover.

An hour of time saved by man and team on an acre of oats means as much as getting two extra bushels. This winter many business farmers are studying, with the help of the State college's free farm management home study course, how to make man and horse labor more efficient.

Want to want as they will be sent to the man who is going to buy

#### MOORE CARE, MORE WEAR IS GOOD SHOE LOGIC

Overhoes to Keep 'Em Dry and Tired To Keep 'Em in Shape Are Two Practical First Aids

In the life of shoes, an ounce of prevention means more than a pound of cure, say home economics specialists at the State College at Ithaca. They declare that proper protection and care will prolong the life of both leather and stitching, and greatly improve the appearance of the shoe in its later stages of wear.

Altho most persons know this, not everyone lives up to his knowledge, the college workers say. Not many persons, for example, consistently wear overhoes to protect their shoes from the mud and water which stiffen and crack the leather and rot the stitching, and not many regularly place inexpensive trees in their shoes at night to keep them from wrinkling and cracking; nor do many air their shoes to remove the perspiration that rots leather, or give thought to the needs of the leather by using a good oil polish.

A careless, aliphed gait also means doom to soles and heels of shoes, it is pointed out, while careful attention to worn-off heels and toes is practical first aid to shoe life; it is the stitch in time which saves many stitches, as well as money, in the shoe budget. Further, two pairs of shoes worn alternately prolong the life of both pairs.

#### FIGHT TUBERCULOSIS



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- (4) I have accumulated net cash assets, (including above profit), of all of which is being held by me for the benefit of my patrons ..... 1,747,504.80

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