



Underwood Standard Typewriter

POPULARITY

When the UNDERWOOD made its advent in the market fourteen years ago, as the original front stroke visible writing typewriter, it met with instant popular favor because it marked a distinct advance in the art of typewriter construction. Typewriters representing in design and construction the best achievements of the mechanical world up to that time have been displaced by the UNDERWOOD in the markets of the world until today its sales largely exceed those of any other make of machine. In the effort to offset the universal popularity and growth of the UNDERWOOD machine, all makers of "blind" writing machines have changed their models to visible writers in the last few years and visible writing has become the current talking point of its critics of yesterday.

The UNDERWOOD is designed on correct mechanical principles, is made of the best material has fewer parts in its type bar mechanism than any other machine, and excels in point of durability, speed, accuracy, and ease of operation.

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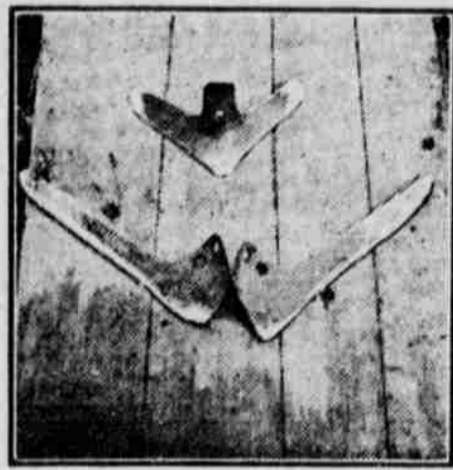
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WRITE for specimen of new divided page. G. & C. MERRIAM CO., Publishers, Springfield, Mass. Enclose this paper, receive FREE a set of pocket maps.

Farm and Garden

GETTING RID OF A PEST.

How Vermont Has Found Means of Fighting Witch or Quack Grass. Witch grass or quack grass (*Agropyron repens*) is one of the worst weeds, by many deemed the most, found in Vermont tillage areas. The combat therewith is difficult, but not impossible. It is costly, but less so than to permit the unrestricted growth of the weed. The Vermont agricultural experiment station learned that a Windsor county farmer had succeeded in practically eradicating it from his farm by the employment of a special system of soil tillage by cultivation which was essentially the product of his own observations. A season's work by the station resulted in almost annihilating the pest on the trial plots and in producing enough corn over and above that grown on the untreated areas to pay in some cases the entire cost of the extra labor involved. The complete eradication of the weed often involves two successive seasons' work, the second of which is of the same character as the



GOOD FOR KILLING WEEDS.

[Potato hilling side and center hoes, which when turned backward are such effective implements in weed killing. They are attached at the rear of the cultivator.—From Bulletin Vermont Agricultural Experiment Station.]

first, only less expensive and laborious. The following is a summary of the methods pursued:
Ridging the rows just before the corn sprouts, using a disk hoe or any other tool which makes a ridge over the row.

Cultivating three days later with a five toothed cultivator or a heavy two horse hoe, carrying side hoes, such as potato hilling hoes turned backward (see the cut), drawing the soil away from the sides of the ridges previously made so that the subsequent harrowing can more effectively level them.

Harrowing or weeding (preferably the former) the same day.

Cultivating twice thoroughly a week or ten days later.

Weeding the same day, still further leveling the ridges and improving the soil mulch.

Cultivating thoroughly and shallow every week or ten days thereafter, so long as it can be done without injuring the crop, the oftener the better.

Hand hoeing in mid-July.

PARSNIPS IN COLD WEATHER.

Let Them Remain in the Bed During Winter and Freeze.

Parsnips require no attention whatever during the winter. In fact, best results are obtained by leaving them in the bed during the winter and allowing them to freeze. The ground should be cleared of weeds in the fall.

After the last hard freeze throw a few forkfuls of straw over the tops and leave till the ground thaws out in the spring. The mulch prevents freezing and thawing if the winter is an open one. Where the roots are desired during the winter they should be dug or pulled and stored in the vegetable cellar.

American farmers are constantly working to get more land, while British and Danish farmers study to get more out of the land. The results are equally different.—Wall Street Journal.

Easy to Force Rhubarb.

Rhubarb can be made a profitable crop in the winter time, as it occupies no valuable space, that is, need not be put into growing beds in sunlight. Under benches will do, or in sheds or even in a boiler room. The factors are heat, moisture, and darkness. Heat regulates the thickness of the stalks to a great extent. We can only force out the stored-up vitality which is in the roots, and a high temperature produces a long, thin stalk, while a more moderate heat gives us a heavier product. Fifty degrees to fifty-five degrees is a desirable temperature. It is not necessary to provide deep growing beds, all needed is enough earth to pack the stalks solidly and to hold the needed moisture.

Want Milk?—Feed Well.

As pasture grass becomes short and killed by frosts begin to give the cows extra feed so they will hold up in milk. Taking the cows into winter in good condition, other things being equal, will mean a steady high milk flow all through the winter.

Farm and Garden

AUTO TRUCK ON THE FARM.

Many Uses Found For This Type of Motor Driven Vehicle.

Although the ordinary tonneau type of automobile is rapidly coming into general use on the farm and has proved its value for service as well as pleasure, there is one form of recent development, the auto truck, that has not received from farmers the attention it deserves, says the Farm and Ranch. This form of car is rapidly earning a place for itself in the cities as a general delivery and hauling wagon and is destined to become as widely and favorably known on the farm, for it is an ideal general purpose car and has many advantages that recommend it for everyday farm use.

A car in daily use on a 600 acre Matagorda county (Tex.) farm is a light auto truck that has proved itself to be one of the most useful pieces of equipment on the farm. The car in question is a two cylinder, twenty-two horsepower model, with engine and working parts identical in all respects with those of the usual tonneau type. The tonneau, however, is replaced by an express wagon body about 7 feet



Photo by Long Island agricultural experiment station.

RUNNING A FARM AUTO TRUCK.

by 4, and fitted in this way the car will carry loads of up to a ton in weight over the average country dirt road at a speed of from three to twenty miles an hour. Its added hauling capacity in no way interferes with its use as a pleasure car, as it can be very easily converted by the addition of a couple of surrey seats built to fit on to the body and which can be put on or taken off in a moment like the ordinary hack seat. So rigged the truck can carry six or eight persons comfortably, covering as much ground in a day's run as the average road car.

The truck is used for all the hauling except the very heaviest, and the work is done so much more rapidly than by team that there is a very marked saving in time, than which no other item on a farm runs more quickly into money. In addition to the direct saving in time an important feature in the use of the motor is the fact that in busy seasons all of the mules can be used exclusively for field work and there is no necessity for breaking into the regular plowing, cultivating or harvesting outfits just when they are most needed in order to get teams to do the various hauling jobs that are always coming up at such inconvenient times or to make unavoidable trips to town for freight, supplies, repair parts, etc.

Make Every Straw Count.

It is possible for careless help to leave a considerable portion of the grain crop in the field by neglecting to gather up scatterings, loose bundles, etc., and by hauling grain on open bottom racks. From a few pounds to a few bushels of grain may be saved every day, during stacking, by using a tight bottom rack or a canvas over the rack that will catch all of the grain that is shattered out of the heads.—Orange Judd Farmer.

Feed Costs More Than Care.

Build good hoghouses before bad weather sets in. Houses in the end are cheaper than feed at present prices, and hogs will not do their best when compelled to sleep out of doors in bad weather. A good feeding floor pays well. Enough feed is wasted on the average farm by throwing it into the mud and slush to pay the mortgages.

Lazybody didn't have time to dig his potatoes before they froze in the ground last year, and the year before they froze in the cellar before he could fix it. The Lazybodies have five dogs hanging round the kitchen door. Bill 'lows it don't pay to keep hogs, 'cause there's nothin' left to feed them.

ITEMS OF INTEREST

FOR SALE—A house and four lots for less than cost on north side of Madras. The house is well built but not quite finished, the lots are 50x100. Must be sold at once. For information write Ora Van Tassel, Vanora, Ore. jy 20-1f

FARM LOANS!! Madras State Bank.

FOR SALE—At the Pioneer Office Legal Blanks of all kinds; Carbon and Typewriter paper, Installation Sale contracts, Notes and Receipts.

MONEY TO LOAN ON FARMS. See Madras State Bank.

We don't like to make suggestions, but if you are feeling out of sorts, and wake up in the mornings with a dark brown taste in your mouth, you can cure said indisposition with a few bottles of Guinness' Stout. It's a nourishing and stimulating beverage. Sold at the Shamrock Bar, Tommy McCormack, Proprietor.

TO LOAN—Money on deeded land. Inquire of H. W. Turner.

To whom it may concern:

Any person furnishing building material, pumps, plumbing material or anything else to be made a permanent fixture to my lots (3, 4, 12 and 13, block 11) and buildings in the city of Madras, county of Crook, state of Oregon, or making any contract with Fred A. Zell, does so at their own risk. We are not in partnership and never have been. I am not responsible for any debts, contracts or bills incurred through said Fred A. Zell in any manner whatsoever. nov 16, 1911 A. Zell.

TO LOAN—\$50,000.00 on farm lands. See Brenton Jones, Metolius, Ore.

FOR SALE—The Madras Lumber Co. office and sheds; will sell whole or part; price right. TUM-A-LUM LBR. CO. Wm. W. Esselstyn, Mgr.

POTATOES WANTED—We are in the market for a quantity of potatoes weighing 1 1/2 lbs. each or more. They must be well formed and in good marketable condition. Would want enough to ship in carload lots. Will be \$27.50 to \$30.00 per ton in Madras. Parties having such potatoes please confer with us so we can ascertain if sufficient quantities can be procured. W. F. Hammer.

We have some specials in lumber as we are getting our stock in shape for invoicing next month. To save handling we can be able to quote you cut prices to clean up the odds and ends. If you can use them now is the time to buy. We have good barn rustic at \$16 per M. TUM-A-LUM LUMBER CO. Wm. W. Esselstyn, Manager

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