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The Service Stewart Combination Coal and Gas Range

The culmination of eighty-four years' experience, and the highest development of the stove making art. It saves money because it saves fuel, time, and motions, and makes greater efficiency in the kitchen possible.

Dust-proof shaking grate, nested lids, the famous Stewart Oven equipped with thermometer and glass door. **Everything a gas range should be—everything a coal range could be.** When desired, an ash chute is supplied, which connects directly with ash can in cellar.



SOLD BY J. E. ROGERS, BRATTLEBORO

GROWS CROPS ON A BARREN PLAIN

Experiment in Irrigation and Dry Farming Successful in Montague

LARGEST INCOME IS FROM TOBACCO

Onions and Other Crops Also Grown — Large Power Company Is Back of the Development and a Practical Farmer Is in Charge.

TURNERS FALLS, Mass., Oct. 2.—The Turners Falls company, a corporation with a very large capital, whose business is the development of water power for manufacturing purposes, both at home and for transmission 50 or more miles away, is trying a very interesting experiment in cultivating the soil on what has been considered barren plain land at Turners Falls on the Connecticut river where its principal power stations are located.

The corporation owns 1,500 or 2,000 acres of land on Montague plain, and aside from the land which is near the village of Turners Falls and used for building lots, the land has been considered practically worthless, especially for farming purposes.

Last year the experiment was tried on a small scale of pumping water from the Connecticut river on land two or three miles from the village of Turners Falls and seeing what could be grown on the light sandy soil when abundantly irrigated. The experiment was sufficiently successful last year to warrant the expenditure of much more money this year.

Another experiment is being tried, the cultivation of about five acres of sweet clover and this is not irrigated. Sweet clover is similar to alfalfa. The crop is doing fairly well but not nearly as well as it would do if irrigated.

The visitor to the experimental farm can not see acres of Havana tobacco, which is said to be nearly equal to any grown on the fertile lands of the Connecticut valley; several acres of onions; a large field of corn and miscellaneous crops of a varied nature consisting of many kinds of farming truck and a fine flower garden including a row of sweet peas, several rods in length with thousands of blossoms. The corn is only irrigated in part.

The experimental farm is in charge of Frederick Perry, who is not a graduate of any agricultural college. Mr. Perry simply claims to be a practical farmer who likes life in the open. Water and work and an expenditure of a fair amount of money is what has brought the success thus far secured. Just now a tobacco barn, 72x36, is being erected. There is a comfortable bungalow in which Mr. Perry and his wife and son make their home, a barn and a few other outbuildings.

Just how much money has been spent is not stated and how much of a commercial success the experiment will be will not be fully known for two or three years. This year it is expected the principal income will come from the tobacco. Experts who have visited the farm say that the crop is remarkably good. The tobacco now growing on the land, which was used for tobacco last year, is larger and better than the tobacco this year grown on land which was not cultivated for tobacco last year. This is also true of the onions. In other words, it is necessary to cultivate both tobacco and onions probably five years on the same soil before the best results are secured.

The land is so sandy and light that a foundation underneath has to be established before the best results can be secured. This foundation is secured in a variety of ways. The water is now pumped from the Connecticut river 175 feet to the level of the land which is under cultivation. It is the estimate of experts that in an average season about 27,500 gallons of water per acre are necessary each week in order to give the proper moisture. The water pipes are so arranged that water can be thrown from them on every plant in the field. Fertilizers are used, but in no larger quantities than on the rich river bottom land.

Of course there are obstacles to overcome. Deer, for instance. Then the ordinary tobacco worms put in an appearance promptly, but these were knocked off the plants and killed. Mr. Perry found a bug which was eating some of the leaves of the tobacco and specimens were sent to the Massachusetts Agricultural college at Amherst. The authorities there pronounced the insect to be a tarnish bug. This bug found good feeding in the truck garden when the leaves were tender and then promptly transferred its field of endeavor to the tobacco leaves. Care has to be taken in irrigating the tobacco plants so that the leaves are not spotted.

Will these experiments be a success? The men at the head of the Turners Falls company are hard headed business men who are not given to chasing rainbows. Tobacco and onion land is now worth in the Connecticut valley from \$250 to \$500 an acre. It is believed that it can be shown inside of five years that by the use of water, all so-called waste land on Montague plain can be made to grow large crops and at a cost that will bring large returns on the money invested.

AUCTION
Saturday, Oct. 7

1916, AT 10 O'CLOCK A. M.

AT THE ADAMS FARM ON ROAD TO HINSDALE THREE MILES FROM BRATTLEBORO

THE FOLLOWING PERSONAL PROPERTY WILL BE SOLD:

Two-horse Wagons, two-horse Wagon, iron wheels; Combination Carts, with Dump Bodies or Hay Racks; Manure Spreader, two-horse Combination Harrow, Cultivator and Seeder, Wheel Harrow, Hinge Harrow, Horse Hoe, Tobacco Setting Machine, Corn Planter, Hand Cultivator, Markers, Horse Rake, Hay Tedder, Mowing Machine, Sulkey Plow and other Plows, two-horse Traverse and Bodies, Pung, with pole and shafts; Cutter Sleighs, 1812 Sleigh, two seats or one; Stoneboat, 2 pairs Work Harness, good Driving Harness and other Harness, Winnowing Mill, Corn Sheller, Horse Tread Power, with Saw and Threshing Machine; Scythes, Cradles, Sickles and Saws.

Blacksmith Shop Tools and Benches.

Single-seat Top Carriage, Canopy-top Carriage, several Buggies, light Express Wagon, two seats; Horse Pitchfork, with ropes, etc.; Chains, Bars, Yokes, Whiffletrees, Eveners, etc., Grindstone, Ice Hooks and Tongs, Wheelbarrow, Ox Yokes and Steer Yokes, some Old Hay.

Cooley Creamer and Milk Cans, Butter Molds, Ladders, Barn Windlass, Ropes, 2 sets of Rope Falls, Woodworking Tools, Stanchion Chains, Tie Ropes, miscellaneous Lumber, Household Effects of all kinds.

SALE POSITIVE, RAIN OR SHINE.

FREE LUNCH SERVED AT NOON

BRATTLEBORO TRUST CO., Agent
W. B. ADAMS ESTATE

A. W. J. WILKINS, Auctioneer

READY!

WALTON'S VERMONT REGISTER BUSINESS DIRECTORY

STATE YEAR BOOK FOR FARMERS, BUSINESS AND PROFESSIONAL MEN

WHOLESALE AGENTS: Hobart J. Shanley & Co., Burlington; White River Paper Co., White River Junction; Basswell's Book Store, Montpelier; Argus and Patriot Co., Montpelier; Fred W. Taylor, St. Johnsbury; Clapp & Jones, Brattleboro; New England News Co., Boston, Mass.

THE TUTTLE COMPANY, BRATTLEBORO

MASS. NOTES.

Best Fruit in New England.

James A. Horton of School street had over 90 plates of fruit at the fair, including apples, pears, peaches, plums and grapes, all of which were raised in his home garden. In all the classes he took premiums. His display covered the whole of one side and one end of the large table and was called the best exhibit in New England. The officials of the Eastern States Exposition, Springfield, Oct. 12 to 21, have asked Mr. Horton to show his fruit there, saying it was the best they have ever seen. Although Mr. Horton has but a few trees, he has several kinds grafted on each tree so that he has a large variety, and by close attention to details he raises very superior quality. It is said that Greenfield soil is the best in New England for grape culture.—Greenfield Gazette.

\$80,000 Fire at Orange.

The factory of the Bolander-Parker shoe company at Orange was burned just before 3 o'clock Saturday morning. The stock was practically ruined, but it difficult to estimate the loss on the buildings at present. Two items of the stock, finished and unfinished, amount to over \$40,000 and probably the damage to the buildings will be much more. The entire plant is insured through the agency of James D. Kimball of Orange in blanket form for \$123,000.

According to the watchman, the fire was discovered in three places at about the same time. The plant was first used for the manufacture of Grant automobiles by the Grant company several years ago until they went out of business.

The Bolander-Parker shoe company went to Orange from Lynn about a year and a half ago, and for some time did a good business, but the company's business was placed in the receivers' hands a few months ago. The receivers are Fred A. Dexter of Orange and James A. Smith of Boston, who represent the creditors. They were soon to close out the business of the company. The fire, of course, brought it to an unexpected windup.

What a Whopper!

The banquet had proved very unsatisfactory. The committee in charge, however, were hopeful as the guest of honor was introduced by the toastmaster.

"Gentlemen," said he in a stentorian voice, "we have with us tonight Professor Haxworth, who will tell us some of his biggest and best after-dinner stories."

Amid rousing applause Professor Haxworth arose.

"Mr. Toastmaster and gentlemen," said he, "to begin with my biggest story, let me tell you how thoroughly I have enjoyed your banquet."

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Established over 100 years
Officers and Business Directory for Every Town in the State
Justices of every town
Area of Every Town
Mail and stage facilities
Valuable New Features
Flexible binding—better paper
Matter arranged alphabetically
Tax rate of every town
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Election returns to March 1
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DRUMMER WITH A REMARKABLE RECORD
Thomas Carr of Springfield was in Service 55 Years — In Civil War When 9 Years Old.

SPRINGFIELD, Mass., Oct. 2.—Springfield veteran drummer, Thomas Carr, who is also one of the youngest veterans of the Civil War, has resigned from the Second regiment after 55 years' consecutive service with the colors. He received his honorable discharge from Washington the other day, and although he is not showing it to any one, he says "it is a good one." This can well be believed, for it is probable that his record exceeds that of any man in the country. He enlisted in the Holyoke militia company, which was under the command of Emory P. Clark, now major-general, retired. When this company was taken into the newly organized 2d Massachusetts infantry in 1861, Tom went along as drummer in the 2d regiment band.

Had Its Drawbacks.
"We want to introduce the blessings of civilization among you."
"Yes," answered the savage. "The only trouble is that when you also introduce your improved war mechanism, so many of us won't live to enjoy them."

HUDSON'S LATEST TRIUMPH.

Super-Six Establishes Record for Round Trip Across Continent.

The Hudson Super-Six did a wonderful thing when it ran from San Francisco to New York in 5 days, 3 hours, 31 minutes. But it was a more marvellous accomplishment when that car turned round and went back across the continent and completed the round trip in 10 days, 21 hours and 3 minutes.

Up to last August the best one-way time for any automobile was 7 days and 8 hours, made by the Cadillac "8". But the same Hudson Super-Six has now made the round trip in just two days longer time than was required for the one-way trip in the best record up to August. The Hudson on its return trip beat every previous transcontinental record except its own. It had a fair chance to do that up to the last leg of the trip. On the going trip the distance from San Francisco to Elko, Nevada, was made in 20 1/2 hours. On account of rains in the Sierra Nevada Mountains, 35 hours were required on the return trip to negotiate the distance. The car was 1 1/2 hours ahead of its schedule when it reached Elko. But as it took 15 hours longer to finish the last 600 miles than was required in making those same 600 miles in the going trip, it was unable to break its own record. Still it arrived back in San Francisco in 57 minutes less time than any other car that ever made the transcontinental run.

One does not have to be the "oldest inhabitant" to recall the year when a fast railroad train trying for a mail contract took six days to cross the continent. Anything less than six days in a jockey try rail from coast to coast was worth mention in the news columns. But a few years ago it was worth a first page announcement when an automobile touring party was able to report, no matter in how many days, that it made the full distance unaided.

The transcontinental run of the Hudson Super-Six marks a new milestone in civilization's progress. The run from San Francisco to New York and return is a marvellous record. No automobile ever before attempted the round trip against time. The Hudson Super-Six set out to establish a record for endurance. Every test it has entered it has won.

Men's Chesterfield Shoes
Many Styles, All \$4.50



The Men's Chesterfield Shoes for this season are better than most shoes sold at \$5.00—in style, quality and fit. The many styles make it possible to find just the one for your foot and one that will meet every desire for appearance. Being made upon honor you are sure to get extra long service. Black or Tan, Button, Lace or Blucher.

ALL AT \$4.50
Dunham Brothers Co.

WHAT WE DO

We call for your family washing. We wash all your clothes. We iron all your flat pieces. We dry the remaining pieces. We return your wash promptly. We charge for all this only 3 cents per pound, provided your wash weighs 25 pounds or over. If you have not already received one of our new family wash lists, call for one at once, as you cannot afford to have your washing done elsewhere.

Washings taken Monday returned by Wednesday. Washings taken Tuesday returned by Thursday. Washings taken later than Tuesday, returned at our convenience.

Brattleboro Steam Laundry
W. K. SPARKS, Prop.
Phone 72 36 Flat St.

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WRIGLEY'S
after every meal

One mile of railway requires 270 tons of rails.
TRY THE CLASSIFIED COLUMNS IN THE DAILY REFORMER