

WOOD-FUEL VS. COAL

Comparisons by Government Experts
Value of Various Varieties

The fuel value of two pounds of wood is roughly equivalent to that of a pound of coal. This is given as the result of certain forest service laboratory, which show also about how many cords of certain kinds of wood are required to obtain an amount of heat equal to that in a ton of coal.

Certain kinds of wood, such as hickory, oak, beech, birch, hard maple, ash, elm, locust, longleaf pine, and cherry, have fairly high heat values and only one cord is required to equal one ton of good coal. It takes a cord and a half of shortleaf pine, hemlock, red gum, Douglas fir, spruce, and soft maple to equal a ton of coal, and two cords of cedar, redwood, poplar, white pine, Norway pine, cypress, basswood, spruce and white pine.

Equal weights of dry, non-resinous woods, however, are said to have practically the same heat value regardless of species, and as a consequence it can be stated as a general proposition that the heavier the wood the more heat to the cord. Weight for weight, however, there is very little difference between various species; the average heat for all that have been calculated is 4,600 calories, or heat units, per kilogram. A kilogram of resin will develop 9,400 heat units, or about twice the average for wood. As a consequence, resinous woods have a greater heat value per pound than non-resinous woods, and this increased value varies, of course, with the resin content.

The available heat value of a cord of wood depends on many different factors. It has a relation not only to the amount of resin it contains but to the amount of moisture present. Furthermore, cords vary as to the amount of solid wood they contain, even when they are of the standard dimension and occupy 128 cubic feet of space. A certain proportion of this space is made up of air spaces between the stooks, and this air space may be considerable in a cord made of twisted, crooked and knotty sticks. Out of the 128 cubic feet, a fair average of solid wood is about 80 cubic feet.

QUEER WAYS OF NAMING

Japanese Rattle Themselves—Several Christenings Are Needed

The Japanese have many quaint customs handed down from generation to generation. One of the strangest is that of their christening ceremony. When one month old, a Japanese child gets its first name with ceremonial pomp. Its first name is blown, and the child is borne in great state to the family temple, and behind the procession march the household servants carrying the infant's wardrobe. The servant in the rear of the procession carries a huge box, in which is the priest's fee, together with three slips of paper, on which three names are written. On reaching the temple the names are thrown into the air, and the first that touches the ground is the one which the child receives.

When three years old the child is again christened, accompanied by elaborate religious rites. At the age of fifteen his education is supposed to be finished, and as he then enters manhood (according to Japanese law) he is again christened. When he takes to business he receives his "business" name, by which he is known in the commercial world, and upon every upward step in life he receives a new name. If his master wishes to have the same name he must at once change it, as it detracts from his superior's dignity. At his marriage his name is altered again, and his last and only permanent name is that given him after death, which is written on his tomb.

Germany's Increase

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ANDOVER LOCALS

Rev. J. R. Hopkins arrived in Andover Saturday afternoon and for the summer months will make his home with Mr. and Mrs. P. Heffernan.

Mrs. James Tibbits is spending a few weeks with relatives in St. Stephen and St. John.

William Curw has purchased a fine new Overland car from George Armstrong of Perth.

Dr. A. F. McIntosh was at Arthurette Saturday afternoon.

Duncan Reed of St. Almo was in town last Tuesday.

George Everett of Kilburn was in the two villages last Wednesday.

Jack Verrie of Birch Ridge spent the weekend with friends in Andover.

Miss Annie Magill has returned to her home in Houlton, having spent the past week in town, the guest of Mrs. Mary Wiley.

Vaughn Henshaw who has been spending the winter months with relatives at Lower Perth left Thursday for New York.

Charles Jones of St. John was in town during the past week.

F. M. Howard and Robert Curry spent several days last week at Plaster Rock.

Miss Emma Wootten who has been taking a course of study in shorthand and type writing in returned home last Monday.

Mrs. H. L. Alcorn entertained the Round Table Literary Club last Thursday evening.

The body of William Wortman of New Hampshire was brought Andover for burial last week. Deceased was a brother of Mrs. Robert Crawford of this town and the funeral was held from her home on Thursday afternoon; interment was made in the Baptist cemetery. The body was accompanied here by a brother Isaiah Wortman.

Mr. and Mrs. George Bell, who have been spending the winter in St. John, have returned to Andover.

Mrs. H. L. Alcorn entertained the Woman's Institute Tuesday afternoon.

Mr. and Mrs. H. B. Murphy who have been spending the winter in St. John are expected home on Tuesday of this week.

Miss Mattie Tweeddale of Arthurette passed through Andover last Tuesday afternoon Miss Tweeddale spent a few days with friends at Fort Fairfield.

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Bristol Events

Mrs. E. L. Brittain of Wicklow spent the week-end at her home here.

Albert Brittain of St. Andrews spent a few days at his home last week.

Stanley Gilmour who has been assisting in the station here returns to his home at Penniac this week.

H. W. Annett of Hartland spent the weekend with friends here.

Miss Ollie McIntosh of Esdrae-lon is visiting her sister, Mrs. Staff Banks.

Mr. and Mrs. Loyd Everett of Burnt Land Brook are visiting Mr. and Mrs. O. C. Boyer.

Guy Welch has purchased a new seven passenger Overland car.

Mrs. Harry Street of Upper Kent spent Tuesday in Bristol. She was accompanied back by Miss Frances Street.

Miss Maude Simpson and Mrs. Alva Phillips drove to Centreville on Tuesday.

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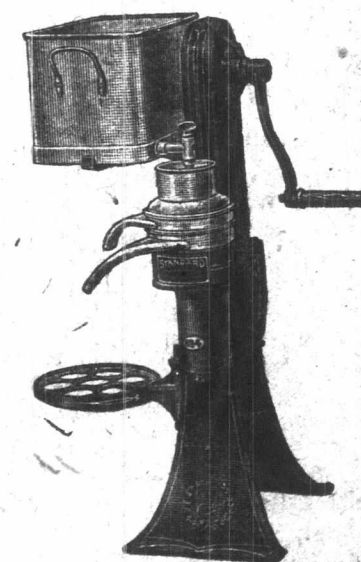
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