

### Forestry Service Items Found to Be of Interest

#### Fed With Care, Alfalfa Is Fine Feed for Horse

T HE District Forester at Portland, Or., has recently received, among other scientific reports, the the Federal Government has been cultural Experiment Station, Lincoln, Neb., in regard to the value of alfalfa as a horse feed. The results of this study have been summarized as follows

Alfalfa is a splendid horse feed, but must be fed with judgment and care

Because of its palatability mature hornes are likely to eat too much al-faifa if permitted to have free access to It.

The average farm horse at hard work is allowed to eat much more al-faits and other roughage than he really needs to maintain his weight. One pound of alfalfa or other hay

and about 1¼ pounds of grain per day for each 100 pounds of the horse's weight make a good ration for the working horse. Horses like alfalfa stems. Refuse from the cattle racks is very accept-able to horses. Found mature horses first and sec-

able to horses. Feed mature horses first and sec-ond cutting alfalfa which is free from mold and dust. To make the best horse hay, al-falfa should be allowed to stand un-til well out in bloom. In curing horse hay it is well to been in mind that the dust which is

In curing horse hay it is well to keep in mind that the dust which is present in so much alfalfa is largely a result of the presence of foreign moisture, such as rain or dew, at making time, rather than the pres-ence of a little moisture within the

Never feed wet alfalfa hay to

A sudden change of feed deranges the horse's digestive system. Horses accustomed to alfalfa as a regular part of their ration are seldom trou-bled from its use. In the United States the matter of wood flour has not as yet been given

If alfaifa hay is stored in the barn for horses it is well to sprinkle it generously, while mowing it away, with a mixture of salt and air-slaked

with a mixture of sait and air-sinked into wo Growing draft colts have seldom, sawdust if ever, been injured by eating too much alfalfa and oats. Good, well-colored alfalfa is of come th practically the same composition as wheat bran, and is of equal value to product. It in the horse ration.

Mature horses of a greedy disposi-tion, if allowed to run to alfalfa racks at will, may eat too much and suffer attacks of impaction. Draft mares heavy in foal and taking but little exercise not infrequently suffer attacks of this nature.

An alfalfa pasture is a splendid place to develop draft colts with a maximum of bone and muscle. Some complaint comes from the

humid regions to the effect that mares on alfalfa pasture during the breeding season are hard to get in foal. This trouble seems to be more lem local and can be avoided by mporarily keeping the mares in atures.

lalfa patch forms a splendid t pasture for work horses, proout regularly.

Last Night and You.

story as old as the ocean, resh as the tear-like dew, ight like a transient notion

Wood Flour Turns Waste Sawdust Into a Profit utilization of our forest products,

ties of manufacturing wood flour from sawdust waste.

The flour in question is not the kind which is converted into fluify biscuits or flaky pastry, nor is it a substitute for commeal, although it looks somewhat like it. This wood flour is made by grinding dry saw-dust or small wood waste (that of plue or spruce is excellent for the purpose) in a cheap mill, similar to the kind in which corn and rye are ground. After passing through the stones and the bolting chest it is sacked or baled for shipment. It is then worth \$12 to \$13 per ton.

This flour is used in making dynamite and acts as the absorbent for the nitroglycerine. Dynamite made with wood flour as one of its ingre-dients is somewhat inferior to that made with infusorial earth, but it is cheaper. The use of wood flour in the manufacture of dynamite, however, is but a minor use of the product.

Its chief use is in the manufacture of linoleum and xyloite, both floor coverings that are very popular for use in kitchens, halls, corridors, cafes, restaurants and public rooms. It is impervious to water and prac-tically fireproof. It is also used as floor material on some of the Ger-man war vessels, for it is not liable to take fire or splinter if hit by shells.

The manufacture of wood flour is already an extensive industry in Eu-rope. Norway has been manufactur-ing it for years and exports thou-sands of tons. Germany also is a

wood flour has not as yet been given much consideration. A few mills in the Middle West and one at Ho-quiam, Wash., are all that have attempted to transfer their wood waste into wood flour. The amount of sawdust to be had in this country, especially in the Northwest, is unlimited and lumbermen should wel-come this method of turning their waste into a practical and profitable

Experts from the United States Department of Agriculture have spent several days in the cotton fields of Salt River Valley, Arizona, rogueing the Egyptian cotton. Seed from these fields will be used for planting by members of the central assoslation next year.

#### **1914 Year of Greatest Risk From Forest Fires**

IN its efforts to attain complete THE season of 1914, according to utilization of our forest products T the officials of the Forest Same the officials of the Forest Service, carried greater danger from fire results of a study, made by the Agri- making inquiries into the possibili- to the National forests than any year since the establishment of the forests. A long dry season, sustained ests. A long dry season, sustained periods of high temperature, recur-ring hard and steady winds and, in some places, unusually hot, dry nights, rendered the forests exceed-ingly inflammable. In fact, the weather conditions were said to be worse than in 1910, when the disas-trous Idaho fires occurred trous Idaho fires occurred.

The total number of fires during the season of 1914 which threatened the National forests and had to be handled by the protective organiza-tion of the Forest Service were 6112, or 1000 more than in 1910. Of this 6112 fires 81 per cent were extin-guished before they had covered 10 The percentage that burned acres. over more than 10 acres was smaller than in any previous year.

The most serious of these fires occurred in Western Montana, Northern Idaho and the Pacific Slope. In the central and southern Rocky Mountains conditions were more normal and only 15 per cent of the total number of fires occurred in this re-A preliminary estimate shows gion. that the total loss of merchantable timber will probably not exceed \$400,000. In 1910 the corresponding estimate was nearly \$15,000,000, although later estimates materially reduced this amount.

It is estimated that the value of the timber threatened and saved in Idaho and Montana alone aggregates over \$59,000,000. In Oregon and Washington experts estimate the value of timber saved at \$24,000,000. This does not include the value of non-merchantable timber, you growth on about 5,000,000 acres young land, or several million dollars' worth of ranch and other private property which lay in the path of the threatening conflagrations.

The figures given represent the number of fires reported up to December 1. When the complete fig-ures are in it is expected that they will add large amounts to the total value of property threatened and saved.

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Whisper your name in my dreams? Shall I bless you, caress you and love

you, Till everything only seems? all I pay for your klas with a mil-lich? Furthise joy with a fear? my love star to be a parhelion, My song to be only a tear?

night, dear, I knew you were thrilling hew your smile made me glad, night, love, my heart was in-stilling that will make my soul sad, sed tight my eyes in my fancy; rifted alone with you a laland of dear necromancy are always our dreams come true.

aid me the story of Esther; told me the old tale of Ruth. but a whimsical jester? aly this joy is a truth. oyes shone a love unaffrighted; y tulled me to silence and bliss, and were ever be-Knighted made me a King with your kiss. Yore, in the Chicage Press Club

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