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The paper of the people.

TWELFTH YEAR

HEPPNER, MORROW COUNTY, OREGON, FRIDAY, OCTOBER 5, 1894.

FARMEN

SMUT OF GRAIN.

The Hot Water Treatment-Soaking Seed In a Solution of Sulphate of Copper.

lowering to the value of all grain.

The presence of smut in any degree is

cellent wheat tagged with smut can

scarcely be sold at any price. Abroad, where American wheat once had such a

fine reputation, it is now looked on with

suspicion. The men who buy wheat in carloads and shiploads are not to be

fooled any more, and farmers must see

to it that their grains are pure and clean.

Jansen or hot water treatment has been

practiced with favorable results and is

(1) soaking the seed 15 minutes in water

held at a temperature of 132-135 degrees, then cooling with cold water; (2) soak-

ing five minutes in water of 136-138 de

grees and spreading out at once to dry.

At the Vermont station the first method

is approved for smut in cats. At this

station it is reported that soaking the

seed oats in hot water appeared to improve the quality, aside from the de-

struction of the smut. The hot water

In an address before a Manitoba farm

ers' meeting Richard Waugh made the

statement that there is nothing more cer-

corn injured the vitality of the seed.

At some of the experiment stations the

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#2-EVERY PACKAGE 63

Has the Z Stamp in red on wrapper

A HIVE CARRIER.

The wheel is one taken from an old

The frame and hand handles are made of 2 by 2-inch oak, and the sides are mor-

tised onto the ends. The handles are fas-

ground in wheeling. These springs

should be screwed to the handles about

one inch back of the middle of the hive,

springs should also be sprung inward

The length of the frame should be 18

tween the handles the width of the hive,

with about an inch to spare, so as not to rub the paint off the hive. A corre-

empty, the hinges should be on the out-

side, so that when the handles are

New Points In Spraying.

Professor Bailey points out some new

otions in spraying in American Garden-

ing which are worth reading and beeding.

The first requisite to spraying is prun-

is done. It is expensive when spraying

spray in May, June and July. Spraying.

too, must drive corn and other tall crops

from the orchard. And it will empha-size the importance of level culture.

is done.

straight they will be perfectly stiff.

are brought up against the hive.

tain in farming than that smut is pre-FOR 10 1-CENT STAMPS 50 different ways to kill smut, finally decided that there is nothing better than bluestone. One or two cents' worth of bluestone (not agricultural bluestone, but real sulphate of copper) will kill all the smut on a bushel of an ordinary

sample of smutty wheat. He advised as follows: "Do not mix it by sprinkling in a wag-on box, but put the dissolved bluestone or printed address labe ar Printed address labe ar EXTRA! We w in a big tub, soak the seed in it a minute or two, dripping it back into the tub so as to save the solution from needless waste. Eight bushels may be treated with one pound if not very bad, but more bluestone is wanted if the smut is bad. The experimental farms and others have had clean wheat from badly smut-So, 147 Frankford and Girard Aves. Philadel-

ment we do not yet know. "Some farmers find smut after bluestoning, but that comes very often from

the tainted crop that grew on the land the year before. What was shaken out A Satisfactory Wheelbarrow for Rives of the crop produced volunteer plants enough to taint the next crop. That can garden drill. It is 18 inches high. The springs running back from it are mor- crop of some sort. It is safe to say that will kill rats if they eat it. One thing bear in mind. Do not wait till the disease is very bad before you apply the

short man a little shorter, so that the ers' meeting and report of the hive will not touch the chusetts Ploughman: ers' meeting and reported for the Massa-

First secure good, vigorous stock Mate carefully, with a view of the ob- der advisement. ject you are aiming for. Place in good, so that the hive will tilt forward and be steadied against the end bar of the car-and feed generously of the best quality

Food enough is stored up in the egy inches, and the inside measurement be- stale bread and cracker crumbs soaked nation accustomed to easy living and as in milk; add to this hard boiled eggs and | impatient for swift results as this.-New fine oatmeal mixed in; also keep before York Evening Sun. them dry millet seed.

From this a good change will be a mixture consisting of 20 pounds corn-meal, 10 pounds wheat middlings and b pounds fine animal meal. This should be scalded with boiling

water and fed at 6, 9, 12 a, m. and at 3 and 6 p. m. Feed liberally with cracked corn and cracked wheat; give milk for drink if possible; if not, clean, fresh water in shallow iron dishes; also keep a dish near them of finely ground bone and beef young chicks faster and make them stronger than any other system of feedhive while running, and the swinging

Always keep young chicks shaded from a glaring sun and shaltered from handles do not bother in running. When rainstorms; have a boarded floor in brooding coops, and as soon as young chicks begin to roost provide a 2-inch width smooth joist not over two feet from the floor, protected from all encmies of the young chick, and with good strong stock to start with and the above good care you should raise nearly 100 come an editor. Then I can stay up cupy its time just now. Every little per cent of your hatches. Now, at the ing, else the spray will not reach all parts of the tree; hence it promotes age of 12 weeks separate the young males from the pullets. Feed these fast mapruning. Labor is cheap when pruning turing pullets on good wheat and barley oats to induce early laying, the cockerels ing west is the "Sermon exchange," Prune in February and March; wholly on corn for size and flesh.

Two important facts emphasized are that for most fungous diseases the spray Georgia agricultural experiment stashould be applied before the flowers ap- tion. Here are the conclusions briefly pear and that it pays to spray in a wet stated and drawn from results obtained upheld it, for the wet season is the one of fairly good clay soil. Even if benefifessor Bailey says that we must spray in is certainly injurious. The effect of auwet years, therefore, if in no other, and perphosphate was decidedly beneficial. the extra labor of more frequent appli- The effect of mitrate of soda was also of cations is likely to be liberally repaid by decided benefit. Cottonwood meal did the higher price of fruit in such years. not seem so decided in its effects. In So all experience now emphasizes the general the results of this experiment value of the arsenical and copper and do not favor the use of concentrated timore Sun. sulphur sprays for every year. There chemical fertilizers on corn. In no case should be no half heartedness, no timididid the increased yield of the fertilized San Francisco, Cal. ty, no procrastination. Lukewarm arplots over the unfertilized pay for the fertilizers instead of manure for potacost of the fertilizer.

THE TREE OF LIFE.

In his mother's naured eyes,
Lift from God's own after place,
Earth grows heaven, and gray time die
In this Infant's smiling face.
From the shroud of withered years
Love and hope come young again,
And the heart awakened hears
Songs that make the life of men.

Children's lightsome laughter rings, Dull, waste places hear their tread, And the gleam of gracious wings Lights old chambers of the dead. All bright shapes of memory. All glad dreams of youth and love, Meet about the Christmas tree, Underneath the Mystic Dove.

Time and fate are babbling words, Vain vibrations of the tongue, Since the song God's singing birds O'er the Babe of Bethlehem sung. Child of death that was to be, Child of love and life with men, Round the holy Christmas tree

Make us children, too, again,

Eyes that are love's deathless shrine.
Where our holiest prayers arise,
Blest and blessing, dear, divine.
Little children's happy eyes,
in your light the dark years change,
From your light all foul things file,
And all sweet hopes soar and range.
Round the Christ Child's Christmas
tree.

-New York Sun

A Strange Accident. "The strangest accident that ever fell within my observation," said Harold Chapman to a friend in the Lindell, "occurred at my home in Medicine Lodge, Kan. One day in May, 1989, I was treatment, however, for smutty seed driven into the house by a thunder shower. The rain moderated in a few minutes, however, and I took a chair and sat out on the porch. My youngest boy was playing with a tin cup, catch-ing water from the rain pipe and pourventable. He called attention to the ing it along a rut in the floor. The water seven years' investigations of Dr. Bre-veld of Berlin. The doctor, after trying platform. While he was stooping to fill platform. While he was stooping to fill the cup from the rain pipe a flash of lightning came, seemingly attracted by the iron cistern pump. The current leaped from the pump to the current of water that ran along the porch and flashed along its course to the end.

"As providence, accident, ill luck or something else would have it our Thomas cat had come out from the kitchen and was standing close to the wet gutter made by pouring of the water. The cat received the full benefit of the flash, and lay scorched and dead in an instant. Now I saw that flash distinctly, and been there the result would have been the same. If he had not, why I suppose WORLD'S FAIR DIRECTORY CO., ted seed when properly treated. Just it would have been attracted toward one of us and serious results might have followed by the seed may be before treatof us and serious results might have followed. I slightly imagine that I owe my life to that cat's ill fate. I am much obliged to the cat."-St. Louis Globe-

appears to be now seriously discussed in only be prevented by summer fallowing different parts of the country. This est push with the least amount of arises partly out of a growing sense of justice, which, the philosophers say, is tised through the end bars of the frame and are made out of one leaf of a Chambion spring and belted at each mortise.

Top or some sort. It is safe to say that justice, which, the philosophers say, is a few years' attention to bluestone will the last sentiment to be developed in the last sentiment case of women, and partly out of the commercial exigencies which in the last twenty years have left stranded so many women with no means of livelihood.

The endowment of daugiters would active the trouble of preservation to compare the continually by immutable tendents. tised onto the ends. The handles are fastened to the frame by strap hinges so that they can be swung out in grasping the hive, as brought down over the top. The hive, as brought down over the top. The lifting springs are made of the same as the ones going to the wheel. They should be about 9 inches long, but for a short man a little shorter, so that the ers' meeting and reported for the Massahas progressed until the methods of enhas progressed until the methods of en-downents in different countries are "n-direction of rendering immense tracts

According to Sir Henry Maine it was has made of France the richest and most prosperous of nations. It is unlikely,

A Japanese Editor.

Editors may find some consolation in the fact that they have inspired feelings of envy in the breasts of a young Japa-nese boy. A recent issue of an East Indian paper contained the following note: scraps, and an abundance of green food always. Those methods will develop

ears boxed too. He goes also to Prigen, regions as central Africa. ever. In one paper he can deny everything that was said in the previous one, and he does so, as a rule. When other people are already in bed, the editor is still up. He stays up late to see what

Chicago. According to popular belief es for months. Don't forget him, the practice of clergymen has been to A report has been made of a general barrel. Then the barrel would be turned fertilizer experiment on corn, conducted last season under the auspices of the Georgia agricultural experiment states. Then the barrel would be turned to the barrel would be turned of Tuesdays, and Fridays, returning on Tuesdays, Thursdays and Saturdays. H. Wade, Prop. T. W. AyersJr., agent. * the office.—New York Times. remained in a church a great many years the congregation would after awhile be gin to know when the barrel was turned season. Spraying in wet season has been discouraged by those who ought to have doubtful benefit on this land, which was or less dismay. The Sermon exchange in which fangi spread must rapidly and cial in small doses, a limit is soon reached is to do away with all of this. It is no in which spraying is most needed. Pro- beyond which an increase in the amount longer necessary to preach a sermon over a second time. The prescher can take an old sermon and tie twenty-five cents to it. This he sends to the exchange and receives one written by some one else by return mail, or if he has no sermon to send he can get one for fifty cents.-Bal-

Many modern growers use commercial

Highest of all in Leavening Power.- Latest U.S. Gov't Report

DIABOLICAL INTELLIGENCE.

Instances of the Treachery and Wicked-ness of the Elephant.

How very uncertain the docility of an elephant may be, and how revenge may be substituted for that quality, was illustrated by an event that is fresh in my mind, says a writer in Blackwood's Magazine. A mahout tried to drive his elephant into the center of a newly-excavated tank. The elephant found out with its trunk that a hole of some depth was just before it and would not move. The mahout persisted, and urged the recalcitrant elephant with the iron goad, (the gujbag,) and, after a short conflict, the elephant seized the mahout with its trunk, dragged him off his seat on its neck, and, placing him below its forefeet, trampled the life out of him.

This animal had some reason for being annoyed by its driver, but there is nothing to be said in extenuation of another elephant that, apropos of nothing, tossed me with its tusk. I was feeding that brute in the eventide, palate, and, without rhyme or reason, that docile and intelligent creature

FLYING MACHINES.

Among Other Things They Would Open Up Vast Tracts of Land to Usefulness. Samuel Cabot, a manufacturing chemist of Boston, is interested in fly The Endowment of Daughters.

The propriety of endowing daughters ing machines. At present he as trying to discover the best form of aerial screw-one which will give the greatpower. In an interview with a re-porter of the Boston Traveler, he said tion will greatly exceed that of any terrestial locomotion. From this foldirection of rendering immense tracts of comparatively worthless territory in my country," said a native born Marythe passing of the Roman dowry into from cities much more available. hattan club one evening last week. The France after the conquest of Gaul that There would also result the relegating man had just returned from a visit to prosperous of nations. It is unlikely, business and storage purposes. This was amusing the company with anechowever, desirable as it might be, that would to a large extent accomplish dotes. from which the chick was hatched to sustain it for the first 24 hours. Afterward, and for the first two weeks, feed little and often—every three hours—of little and often—every three hours—of hatched to easy living and as the high the wage earner. With flying navies, capable of preaching a nation accustomed to easy living and as capable of carrying unseen at night layer quantities of explosives to the center of a city, war would become so destructive that it would be soon supread from the Scripture and expound planted by arbitration as a matter of and explain his reading to the best of his ommon sense and self-preservation.

"Arbitration once established, an in ernational police system, controlling ortions as we do individuals, and en-"A schoolboy in Loerabaya was asked forcing the decrees of boards of arbito describe an editor of a paper. He did tration, would be enormously assisted so in this way: 'An editor is the luckiest by this power of rapid and, if neces man in the world. He can go to a cir- sary, destructive patrolling. Immense cus every afternoon and every evening areas of country, now well nigh im-without paying a cent. He can go also ness. Large sources of wealth would thus be added to the civilized world. tion and the races.
"He has free tickets to all theaters, receives presents at his office, and gets his Malang or Lawang (places of amuse- have to give up selfish legislation and ment). He does not do this often, hownations, and be obliged perforce to of pation or of zone."

Those owing us must do a little of ceeded to do so, to the evident satisfaction of his flock."—New York Herald. happens. When I grow big I shall be- what the Gazette has a great deal to oc-

J. L. Reese, of Brooklyn, holds in special detestation the shyster lawyer According to my observation, the and his methods for obtaining business, elephant is intelligent in a diabolical Mr. Reese is at the Grand Pacific and way at times, but rarely ever up to the mark when its intelligence would be a street in New York city he was useful. So with its docility. That knocked down by a wagon that was quality is prominent, no doubt, when the exhibition of it is convenient to the elephant, but one often looks for careful and not in such a hurry. He it in vain when it is needed for the con- was carried into a drug store, and the venience of any other living creature.

Then the elephant is a revengeful one of the first by his side. He gave his beast. It is treacherous often, and, name and address to a policeman, who with few exceptions, an arrant coward, constituted himself the first judge in the

In a few hours he was not much the insisted that he knew all about the case and dilated at some length on reckless street driving in general and the carelessness of the driver in this case in par ticular. He was informed that if Mr. Reese determined to prosecute the case he would be informed. Before noor four other lawyers called, and each tried his best to induce the injured man to go to law about it. Mr. Reese finally gave orders that if any one else asked for to find out if he were a lawyer before admitting him. If any more called he didn't hear of it .-- Chicago Tribung.

Loss of Teeth Affects Length of Life. The loss of the masticating teeth befeeding that brute in the eventide, fore the thirtieth year means a shorten-when the day's work was done and ing of the life of the individual of from this toiler, with others, had to be tended and encouraged. I was feeding it to which many of these teeth are lost, with delicacies dear to the elephantine even before the fifteenth year, one has only to turn to the reports of the examination of the teeth of children in the Now I saw that flash distinctly, and saw it travel from the iron pump along that gutter to the cat. If my boy had been there the result would have been there the result would have been there the result would have been the same and elsewhere. If some effective meastrated by my offering no that was frustrated by my offering no resistance to the tusk and by the bluntness of that weapon.

nres are not adopted for combating the ravages of dental decay it looks very much as though another half century would find the poorer classes of English people practically edentulous before the twentieth year.-New York Commercial Advertiser.

> Yearning for City and Country Life. The man who lives in the country earns for the city, the man who lives in the city yearns for the country. The farmer would seek pent precincts of the town and bend over ledgers; the clerk, already bent double over his ledgers, craves the free air and the unconfined horizons of the farm, the distant hills

Science Monthly.

Interpreting the Scriptures.

at distances of twenty to forty miles lander to a party of friends in the Manof city property in large measure to his old home after a long absence and

> ability "Of course the good old man quite frequently runs up against some passage most difficult to interpret. His method of extricating himself, as I have reason to know, is unique, I was listening to his exposition of Solomon and all his

glory the other Sunday and wondered

how he was going to do justice to the

great king in the matter of his thousand odd wives. All of a sudden he came upon the passage, which he read through slowly. Then he pansed, mopped his brow and said: " Brethren, we have come across a difficult passage. Let us, however, not shirk our duty. We must look the diffi-'stand on a bronder heritage than that culty firmly in the face and pass on to the next verse.' And he promptly pro-

A Shocking Organization

The Liars' club is all that its name implies. It is composed largely of wicked Green Mathews, east side of Main fishermen whose improbable stories have The latest enterprise which we hear street, has a neat barber shop and does announced in the young and enterprise work at popular prices, 25 cents shave ing worshipers at the shrine of old or hair cut. These have been his charge. about the number of fish they caught for the world. The biggest liar is chosen



Used in Millions of Homes-40 Years the Standard.