Weekly Press News Letter. On Timely Toptes of Plant Pests.

From the Division of Economic ture. By H. A. Surface, State Zoologist, Harrisburg, Pa.

USE PURE COPPER SULPHATE. As the time of the year is here when much sulphate of copper, or blue vitriol, will be used in making the Bordeaux mixture for spraying | replied as follows: fruit trees, potatoes, etc., State Zoologist Surface calls attention to very kind letter, making such a the necessity of obtaining the purest sulphate of copper in the mark- cleaning up of your trees and the et, m order to secure the best re-

One of the most difficult and expensive problems in the manufacture of copper sulphate is to eliminate the sulphate of iron. A considerable percentage of iron sulphate may be mixed with copper sulphate without its presence being the other hand I have many redetected. There are qualities of copper sulphate on the market containing a large percentage of iron more expensive, and, consequently, sulphate, so as to render the article almost worthless for spraying purposes. A good copper sulphate jured them so badly that they are should present perfectly clean, now turning to me, asking what sharp crystals. Growing trees and can be done to overcome the evil plants are poor things to run any effects of their former action. risk with, and hence, those persons who are caring for them by spraying should use the best materials, clean bluestone and pure lime. it is an inspiration to know that Buy of reliable dealers is the advice on the subject given by the Division of Ecomomic Zoology of the something, even though it be free Pennsylvania Department of Agriculture.

Last year sulphate of copper sold at an unusually low price, owing to depression in the copper market the formula is one pound or sixand general dullness in business. teen ounces to 150 gallons of water While conditions have been better for hardy plants. For plain prothis spring, there has been no material advance in the price of the ounce to each 10 gallons. In fact sulphate. It will be observed that one ounce to 8 gallons will not be this material is spoken of in this article as sulphate of copper, copper sulphate, blue vitriol and bluestone. It is known by each of these names.

MULCHING POTATOES.

In the growing of potatoes on a small scale, in the garden or in the "early patch" for summer use, fairly satisfactory results can be obtained by mulching. The method, however, is practicable only when Old hay or straw can be used, and should be spread about four inches deep just before the plants appear, and after the ground has been harrowed once or twice after planting. To grow in this manner rather large seed pieces should be planted two or three inches deep, while the hills can be placed either 18x18 or given by the Division of Zoology at Harrisburg.

SPRAYING PLUM TREES, POTATO

eived by Prof. Surface, State Zolicity. The correspondent wrote:

were dying from the effects of the nomical." San Jose scale. Fortunately, following your advice, I bought a good spray pump and apparatus good spray pump and apparatus for using the lime-sulfur wash, and aromatic, pleasant herb cure for woman's ills, called Mother Gray's AUSTRA. the branches to the trunks not a

LEAVE

Daily Except

Sunday.

P. M.

6.36

f 6.38

f 6.40

6.47

6.59

1 7.15

7.20

7 29

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7.55

8.03

f 8.12

ARRIVE

live scale can be found.

'Kindly answer the following questions: (1) How much Paris green to 8 gallons of water can be used safely to spray plum trees? Zoology-Department of Agricul- I used a teaspoorful last year to 8 gallons of water and killed many how much bluestone and lime to

use to 50 gallons of water?"
To this State Zoologist Surface

definite statement concerning the production of perfect fruit and the by the use of lime-sulfur wash, following our directions. This is but an example of what every person in this State could have done had they acted equally intelligently, faithfully and persistently. On ports of persons who wanted something with easier work, even if bought the high-priced oils, and in many cases killed their trees or in-"I take great pleasure in reply-

ing in detail to the inquiries of such persons as yourself, because you act intelligently upon the advice given, and regard it as worth of cost. It is, also, a pleasure to me to know that such efforts on my part are not in vain, but are really helpful, Concerning Paris green, portions I would recommend one too strong for potatoes. However, I should use three or four times as much lime as Paris green, making milk of lime and straining it into the water with Paris green.

"Also, on plums I would recommend you to use Paris green if you can get arsenate of lead. The latter sticks better and is much more to be desired. You can buy this of different firms. I would not spray the plum trees until after the the mulching material is cheap. blossoms have fallen and the fruit is nearly as large as the average

"To make a spray for potato blight use three pounds of bluestone and four or five pounds of lime in fifty gallons of water. If you have potato beetles, add onethird of a pound of Paris green, or one pound of arsenate of lead to 12x24 inches. This is the advice this. I should have told you that there are various formulae recommended for using arsenate, varying from one to three or four VINES, ETC.

Among the letters recently reout it has been proven that if you he only keeps the original deposit

out it has been proven that if you he only keeps the original deposit

resident of Harrisburg this week and as he only keeps the original deposit

resident of Harrisburg it is memoruse a good quality of arsenate of ologist, at Harrisburg, was one lead, one pound in fitty gallons will from a Dauphin county farmer, do the poisoning, just the same as which should be given wide pub- though you used three times as much, and, of course, there is less "A few years ago my fruit trees danger of injury and it is more eco-

## Every Woman Will Be Interested.

began spraying thoroughly fall and spring, and today I have several hundred fine, healthy trees, practically free from scale. On trees that were covered with scale from the tips of the healthy trees are the trunks not a specific to the trunks not a

PENNSYLVANIA RAILROAD

THROUGH SLEEPING CAR

BETWEEN

WILKES-BARRE AND PITTSBURGH

(VIA HARRISBURG.)

Daily Except

Sunday

P. M.

f 8.18

8.22

f 8.27

f 8.34

f 8.37

A. M.

8.55

3.20

4.30

7.00

A M.

ARRIVE

Beginning May 30th,

ARRIVE

A. M.

8.59

8.53

f 8.51

f 8.49

8.42

8.30

8.22

7.57

7.42

7.28

7.21

f 7.14

Daily Except

Saturday

LEAVE

f 8.16

#### New Mall Service Proposition.

In the June Lippincott's Colonel Willard French tells of a new plan which seems likely to be adopted by the Post Office Department and which should prove of great fruit buds. (2) Tell me how to benefit to the public. It is at presmake a spray for potato blight, ent known only as "the return envelope and postal card" plan, but it has already gone through all of the preliminary examinations of the Congressional Committees on Post "I certainly thank you for your Offices and Post Roads, and commissions appointed by the Postmaster general, and has not only been approved but by legal authority has been pronounced something growing of healthy trees from scale, which the Department has power to inaugurate without legislation. Colonel French says:

"The system is something which applies chiefly to advertisers who use the mails in distributing circulars with enclosed envelopes or postal cards, soliciting correspondence or orders. A careful investigation where the enclosures are unstamped very little is ever heard from them,

And where the cards or envelopes are stamped, but one in ten ever returns. This results in making each reply which the advertiser receives cost him twenty cents for postage alone. And, yet, under the discouraging conditions, there are sent out, annually, a hundred million envelopes and as many postal cards.

The law requires that all postage shall be prepaid, so that any plan which has been devised will require the co-operation of outside agency, to the extent of securing a deposit of a hundred thousand dol- | ing." lars with the Department, as a postage fund. The Department will manufacture envelopes and cards, bearing a peculiar stamp which can easily be recognized, distinguising it from ordinary mail. These the Department will sell to whatever form of syndicate may represent the deposit, at the regular price less the price of the stamp. The contractor will distribute them as they may be ordered by advertisers, after having a return address printed on them, with notice that the stamp is void if the address is changed. Such envelopes and cards endorsed by advertisers may be returned to them without affixing additional stamp, but on arriving at their destination they will be held by the post office till the advertiser pays the regular postage on all such matter as he actually receives. The moment the envelope or card is mailed, the stamp which the Department impresses becomes a legal stamp and satisfies the law, while it is of no value if the address is changed, and no loss to the advertiser if thrown away. When the advertiser pays the amount of regular postage on all

"It is not unusual for the Department to rely on outside co-operation. Pneumatic tubes, for example-and in fact almost all transaccomplished portation — are through private co-operation, and it is not anticipated that there will be any delay or difficulty in arranging with some form of corporation, as a reasonable profit will be allowed by Government contract to the receiver and dispenser; while it will be greatly to the advantage of the Department to have an active agency constantly at work encour-

ARRIVE

A. M.

f 7.07

7.02

t 6.57

f 6.51

f 6.46

A. M.

12.30

11.08

P. M.

Dally Except

Saturday

LEAVE

8.50

6.35

ntact.

# When You Think

month it makes the gentleness and kindness always associated with womanhood seem to be almost a miracle. While in general no woman rebels against what she re gards as a natural necessity there is no woman who would not gladly be free from this recurring period of pain.

Dr. Pierce's Favorite Prescription makes weak women strong and sick women well, and gives them freedom from pain. It establishes regularity, subdues inflammation, heals ulceration and cures female weakness.

Sick women are invited to consult Dr. Pierce by letter free. All correspondence strictly private and sacredly confidential. Write without fear and without fee to World's Dispensary Medical Association, R. V. Pierce, M. D., President, Buffalo, N. Y.

If you want a book that tells all about woman's diseases, and how to cure them at home, send 21 one-cent stamps to Dr. Pierce to pay cost of mailing only, and he will send you a free copy of his great thousand-page illustrated Common Sense Medical Adviser-revised, up-to-date edition, in paper covers. In handsome cloth-binding, 31 stamps,

aging trade and creating new business all over the country. As the result of the investigations it was reported to the commission that without any further impetus than has resulted in the report that the removal of the present handicap to business in this line, the firms already using the mails would increase their use at least five fold, which alone would result of increasing the revenue of the Department over sixteen million dollars annu-

ally. With the natural growth and the new business that would follow it is thoroughly conservative to accept the report that when the system is understood and in working order the net revenue to the Post Office Department will come very close to wiping out even the threatened deficit of thirty millions. Considering either the public or the Department, it is worth try-

#### To Protect Liverymen.

An act for the protection of livery stable keepers and fixing a penalty for any violation thereof, was approved by the Governor on willfully or negligently abuses the confidence of liverymen by driving the purchaser. or taking a horse or team any farther or greater distance than contracted or named at time of hire, without promptly reporting or making known such extended use and shall be deemed guilty of a misdemeauor and upon conviction shall imprisoned not exceeding thirty days or both at discretion of the

#### Growth of the Order Odd Fellows.

The annual session of the Grand buying.' lodge, I. O. O. F., is being held resident of Harrisburg it is memorable event in the history of the order. The order was organized in Baltimore, Maryland, on April 26, 1819, by Thomas Wildey, a young English mechanic, who was assisted by four others.

Beginning thus with a lodge of five members, it now has 16,388 subordinate lodges, 3,480 Encampments, 8219 Rebekah Lodges, 1,-448,865 subordinate lodge members, 208,511 Encampment members, 571, 571 Rebekah members, or a grand total of 1,818,923 members Total relief paid in 1907, \$5,112,993.75.

Souvenir Post Cards are printed at this office. Half tones supplied.

#### Constables Not Fire Wardens.

fighting forest fires, the Act of 31 and inconvenient. In thus adopt April, 1909. The authorities at an a private signal for his own per-Harrisburg have given notice that sonal following, but it was at once no bills paid for any work of this adopted as a national emblem. character done after May 12, 1909, will be passed by the department.

# HUMPHREYS

Humphreys' Veterinary Specifics for the cure of diseases of Horses, Cattle, Sheep, Dogs, Poultry.

A. A. For PEVERS, Milk Pever, Lung Pever. B. B. For SPRAINS, Lameness, Rheumatism.

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E.E. For COUGHS, Colds, Influence

P. F. For COLIC, Bellyache, Diarrhea, G. G. Prevents MISCARRIAGE.

H. H. For KIDNEY and Bladder disorders I. I. For SKIN DISEASES, Mange, Eruption

J. K. For BAD CONDITION, Indigestion. Price, 60 Cents per bottle.

Vet. Cure Oil, for Stable or Field Use, \$1.

At druggists, or sent prepaid on receipt of price.

A 500 Page Book on the treatment and care of Domestic Animals and Stable Chart to

hang up, mailed free. HUMPHREYS' HOMEO, MEDICINE CO., Corne William and Ann Streets, New York. Commissioner Foust Proposes to Prohibit Sale of Deleterious Concoctions Containing Acids.

Crusade on "Soft Drinks"

Warfare upon the firms and merchants who sell concoctions of chemicals under the name of soft drinks is announced by State Dairy and Food Commissioner James Foust. In speaking of the plans for restricting this trade, the commissioner said:

"Under the recently approved law the State has authority to prosecute persons selling adulterated or misbranded non-alcoholic drinks.

"Agents of this department have already collected samples of socalled soft drinks in almost every county in the State. Of about 600 samples taken, nearly 200 have shown violations of the law.

"Some of these concoctions were composed, for instance, as follows: Water as a basis, artificial color, artificial flavor and artificial sweetener in the form of saccharin, thereby producing a drink that has not one particle of natural quality April 27th, last. Any person who in it, and, aside from its deleterious nature, is an utter fraud on

"These conditions will not be tolerated, and the quicker the manufacturers of these drinks discontinue their nefarious practice the better it will be for all concerncompensating the owner therefor ed. We have been without a law covering non-alcoholic drinks for about four years, but now that we be fined one hundred dollars or be have a law its provisions must be complied with.

"These preparations must be court. He shall also be liable to true to name and must be labeled owner in double the amount of the in a manner to show their real injury done to the horse. Good character. Compounds, imitations and blends may be prepared and sold, when properly labeled as such provided they contain nothing that is injurious to health. Purchasers must know just what they are

#### Origin of Old Glory.

In the reminiscences of Lord Ronald Gower is found a story of the origin of the stars and stripes.

The "star spangled banner" of the American republic had its origin from an old brass on the floor of an ancient church in Northamptonshire. The brass covers the tomb of one Robert Washington and is dated 1622. On it appears the Washington coat of arms, consisting of three stars, with bars or stripes beneath them. On the first day of the new year, 1776, the thirteen united colonies raised a standard at Washington's head-

quarters. This introduced the stripes of the present, but retained the crosses of St. George and St. Andrew on a blue ground in the corner. In 1777 the crosses were replaced by stars, as the Declaration of Inde-Constables will no longer have, pendence rendered the retention of ex-officio, any special interest in the English element unnecessary Ma ch, 1905, making them fire ing the arms of his ancesters as his wardens, having been repealed by own distinctive badge Washington an act approved by Gov. Stuart 29 no doubt intended the flag merely Probably there is not another case in the world's history in which the private arms of an obscure family have attained such world-wide eminence and repute.

#### Twenty-two Miles of Paving

Through the signing of the Flynn Roadbill by Governor Stuart the building of the paved highway through Lackawanna county is made possible, and Commissioner Durkin, of that county, declares that steps will at once be taken to have the highway made an actuality. When work is started, he said, it will be required that it will be completed within one year, The undertaking will be an immense one, as there will be 22 miles of road to pave at a cost of about \$600,000.

Children Cry FOR FLETCHER'S CASTORIA

### Columbia & Montour El. Ry.

TIME; PABLE IN EFFECT June 1 1904, and until a urther, tice.

Carsleave Bloomfor Espy, Almedia, Lin Ridge, Berwick and intermediate points a

A. M. ¶5:00, 5:40, 6:20, 7:00, 7:40, 8:2 9:00, 9:40, 10:20, 11:00, 11:40.

P. M. 12:20, 1:00, 1:40, 1:20, 3:00, 3:40 4:20, 5:00, 5:40, 6:20, 7:00, 7:40, 8:20, 9:00 \*(9:40) 10:20 \*(11:00)

Leaving depart from Berwiel one ha from time as given above, commencir;

Leave Bloom for Gatawissa A. M. 6:15, 17:00, 18:00, 9:00, 1:0:00, 1:1:11

12:00,
P. M. 1:00, †2:00, 3:00, 4:00, 5:00, 6:00, †7:00, 8:00, 9:00, 10:20, \*(11:00)
Cars returning depart from Cetawissa

Cars returning depart from Cetawissa

First car leaves Market Square for Berwick

Sundays at 7:00 a. m.

First car for Catawissa Sundays 7:00 a, m, First car from Berwick for Bloom Sundays

First car leaves Catawissa Sundays at

30 a. m.

¶From Power House.

\*Saturday night only, †P. R. R. Connection.

WM. TERWILLIGER.

#### Bloomsburg & Sullivan Railroad.

Taking Effect Feb'y 1st, 1908. 12:05 a.m.

#### NORTHWARD.

|   |                             | A.M.   | P.M.  | P.M.  | A.M. |
|---|-----------------------------|--------|-------|-------|------|
|   | Bloomsburg D L & W          | 9.00   | 0 10  | 1.0   |      |
|   | Bloomsburg P & R            | 9 02   | 2 39  | A 12  | 6 00 |
|   | Paper Mill                  | 9 14   | 2 52  | 6 29  | 6 20 |
|   | Light Street                | 9 18   | 2.55  | 6.84  | 6 25 |
|   | Orangeville                 | 9 26   | 3 03  | 6 48  | 6 56 |
|   | Zaners                      | FU 40  | 3 13  | 6 58  | 7 08 |
|   | Stillwater                  | 9 48   | 8 95  | 7 08  | 2 40 |
|   | Benton                      | 9 56   | 3 83  | 7 18  | 8 10 |
|   | Edsons                      | 710 00 | 13 37 | 7 17  | 8 20 |
|   | Coles Creek                 | /10 03 | J3 40 | 7 21  | 8 16 |
|   | Grass Mege Park             | f1010  | J8 45 | 77 81 | 8 40 |
|   | Central. 9.                 | 10.15  | 3 59  | 7 41  | 2004 |
| ١ | Central. 9.<br>Jamison City | 16 18  | 8 55  | 7 45  |      |
|   |                             |        |       | 1.1   |      |

#### SOUTHWARD.

| <b>1</b> 8. | 1                 |        |        |       |       | 22    |
|-------------|-------------------|--------|--------|-------|-------|-------|
|             |                   | A.M.   | A.M.   | P.M.  | A.M.  | A.M   |
| e           | Jamison City      | 5 50   | 10 48  | 4.85  | 7 00  | 17.74 |
| -           | Central.          | 5 58   | 10 51  | 4.38  | 7 08  | 11.2  |
| 9           | Grass Mere Park   | f6 01  | f11 00 | f4 47 | 17 19 | 10000 |
| 9           | Laubachs          | BO 80. | r11 02 | £48   | 77 18 | 11 8  |
| 7           | Coles Creek       | f6 12  | f11 06 | £4 58 | £7 00 | 12 0  |
|             | Rdsons            | 76 14  | f11 09 | £4 56 | 17 24 | 10 4  |
| ٠.          | Benton            | 6 18   | 11 19  | 5 00  | 7 98  | 10 0  |
|             | Stillwater        | 6 98   | 11 21  | 5 08  | 7 88  | 10 4  |
|             | Zaners            |        | f11 99 | Ø 17  | 17 45 | 10 8  |
| 10          | Forks             | 6 89   | 11 48  | 5 91  | 7 49  | 1 00  |
| •           | O' ngeville       |        | 11 42  | 5.01  | 8 00  | 1 0   |
| •           | Light Street      | 7 00   | 11 50  | N 90  | 8 10  | 1 3   |
|             | Paper Mill        | 7 03   | 11 58  | 5 49  | 8 18  | - 2   |
| 38          | Bloom, P& R       |        | 11.00  | 0.44  | 8.25  | 1 00  |
|             | Bloom. DL & W.    | 2 00   | inin   |       |       | 2 1   |
| -           | DIOUM. D.L. L. W. | 1.40   | 12.10  | 0.00  | 8.30  | 2 10  |

Trains No. 21 and 22 mixed, second class.
† Daily except Sunday. † Daily † Sundonly. † Flag stop. W. C. SNYDER, Supr

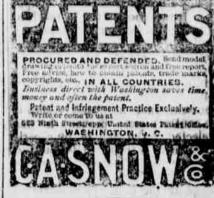


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