IS THERE A HONEY PLANT?

Trying to Find One at the Michigan Agricultural Experiment Station.

Professor A. J. Cook has been experimenting with three so called honey plants, in the hope that he might find something that could be relied on year after year to furnish honey nectar. The three plants were the Chinese Integrifolia, or Rocky mountain honey plant, the Eucinopa spinosopubescens or Chapman honey plant, and a foreign mint of the genus Molinia. The bees visited the estimage freely and obtained considerable honey, but at the times of year when other blossoms were scarce. But the plant does not bloom until the second year, and must be planted every year. Even this would not be so discouraging, but the seed may fail to germinate at any time and so prove a failure. In the experiment with the estimage was unsuccessful. The chinese seem to flourish in autumn. Professor Cook obtained some of it from Colorado and planted it. He found it did not come up well in Michigan, though some of it was planted upon sandy soil and other upon clay ground. Again, the flowers did not secrete nectar, and the bees worked on them only occasionally. The chinese also was a disappointment.

Of the molinia Professor Cook says:

The molinia is an annual. We planted it for two successive years. It did well, blossomed freely and was visited very generally by the bees. It grows well on high sand and clay, and by sowing early will continue to bloom early in July and continue to bloom for a month or more. I regret to say that it will not self seed, and must be planted annually. This is expensive, and it is doubtful if it will pay. It is to be said, however, that molinia, in common with the other mints, seems to attract the bees at all times of bloom, wherever the season. So I am of the opinion that if any plant will pay exclusively as a honey plant it will be some mint. Many of these are perennial. As the three mints of molinia last season was singing with bees all through the time of blossoming, and as our bees swarmed in early August, a thing unprecedented in Michigan, it gives room to hope that with a large diversity we might secure a honey crop each year despite the season.

Thus I believe our experiments indicate that special planting for honey alone is of doubtful practicability; that estimage and chinese, at least, are not the plants for such special planting if it is ever to be a success, and that while molinia or bee balm is not profitable, as it is an annual, it is possible that the perennial mints are the plants, if any such there be, that will pay us to grow exclusively as honey plants.

Unless chinese and bee balm prove to be not the plants even for exclusive planting, I think we must look to some of the perennial mints, or more probably to some plant valuable for other purposes even to plant on the roadside and in waste places.

I hope next to try mellot or sweet clover, not so much to find whether this a valuable honey plant, as we know that now, but rather to find if this harassed and rejected clover may not have other important uses, possibly for silage. I shall also hope to plant small lots of [illegible] and [illegible] plants that will pay just for nectar and nothing else.

How to Feed a Hog.

The Wisconsin Agricultural station has been making some careful experiments on the value of bone and phosphate meal for hogs, with the result that when a hog is fed on phosphate feeds mixed in with its grain rations a saving of nearly 30 per cent of corn is effected, and the animal's bone strength is doubled.

The experiments were made as follows:

The plan of the experiment was to feed corn to several lots of growing pigs in addition to water and salt. The first lot received nothing additional; the second was fed a little ground bone daily, the third was allowed free access to a trough of hardwood ashes. As the average of the three trials, where neither ashes nor bone meal was fed 639 pounds of corn meal were required to produce 100 pounds of gain with the pigs. Where ashes were fed 491 pounds only were required. Where bone meal was fed 467 pounds of bone meal were required to produce 100 pounds of gain. Where ashes or bone meal were fed the bones of the pigs were quite weak. The thigh bones cut out from the hams were broken in two by an average pressure of 301 pounds where no ashes or bone meal were fed. Where ashes were fed, 341 pounds of pressure were required, while the bones from the bone meal fed pigs required 400 pounds pressure to break each bone. The thigh bones of the pigs were then burned, and these respectively we bone meal or ashes contained 187 grams of mineral matter; those from the hogs getting ashes gave 150 grams; those getting bone meal gave 143 grams.

Points of Interest.

Dr. W. P. Rich writes to The American Poultry Yard that the man who makes eleven is a valuable fowl, for poultry because it contains so much fine is never ill. Artificial and natural elevations are valuable to the fowl as well.

A poultry house should always have a fine slightly dry cellar underneath for hatchers. It should be light.

Don't feed a dry corn the day before winter.

The country is becoming some and more cities and towns, populations of 10 to 10,000 inclusive. The farmer and stock raiser who cannot meet calculate closely in their game, and hold more and more sharply after markets and economic shift the.

Always change your furniture and stock, making methods to meet to utility the times.

Mr. Hill, of Valleyfe farm, in Canada, has a record for Leghorns of 1,000 to eggs yearly, 1,000 three pounds better a day for the time the 3 years old.

The New Treatment.

Intemperance is only a few years before: "What is the matter with Mike, drinkin's one lively angle. They are full of horrid red blotches and swelling."

"Humph! guest — Oh, that's all right. Mike has simply been vaccinated against intemperance, drunkenness, delirium tremens, and poverty or Guldy other diseases."—New York World.

LIST OF LETTERS

Remaining in the Post Office at Salt Lake City, Utah, January 17, 1891, which, if not called for within two weeks, will be sent to the Dead Letter Office at Washington, D. C.

LADIES' LIST.

[illegible]

GENTLEMEN'S LIST.

[illegible]

To enable one to receive letters the following must call for "advertised" letters and give the date of the list.

J. A. BENTON, Postmaster.

8TH YEAR.

[illegible]

HANCH FUEL SALE.

[illegible]

NOTICE TO CREDITORS.

[illegible]

NOTICE TO CREDITORS.

[illegible]

DO YOU KNOW WHAT AILS YOU? You feel tired—anyone can know what is coming! You are sleepy—Why? You cough in the morning—Do you realize the cause? Your appetite is poor—What makes it so? You look like a changed person to your friends—Do you know what is the matter, or has the change been so gradual it has escaped your notice?

You have Consumption! We do not say this to frighten you, but it is true. These are the sure symptoms of this terrible disease. There is one thing which will check it and that is

Dr. ACKER'S ENGLISH REMEDY

It is recommended by the best physicians in Europe and America. In cents, 50 cents and $1.00 per Bottle.

W. H. BOOKER & CO., 46 West Broadway, New York.

For sale by Z. C. M. I. Drug Department.

HENRY DINWOODEY

—Is Now Located in His—

NEW

MAMMOTH STORE

(Six Stories and Two Elevators)

And is in Excellent Condition to Show Customers the

FINEST STOCK OF

FURNITURE,

CARPETS,

Wall Paper, Linoleums and Curtains,

In the Territories.

No Trouble to Show this Immense and Elegant Stock.

BEST GOODS In the Market! | PRICES Cannot be Beaten!

H. DINWOODEY,

37 to 43 W. First South Street.

COALTER & SNELGROVE,

THE SALT LAKE MUSIC DEALERS,

—Desire to say to all who may that they have the—

Largest Stock of Musical Goods

—IN UTAH; EMBRACING THE FAMOUS—

Weber Pianos

Recommended by Patti, Abbott, Nilsson Kellogg

NEW ENGLAND Pianos.

New Arrival! New Scale! New Come! Unsurpassable in Price.

ALSO GENERAL WESTERN AGENTS FOR THE

ESTEY ORGANS - 235,000 in use

We have the Best and Largest Assortment of MUSICAL GOODS within 700 Miles of Salt Lake City.

Coalter & Snelgrove,

74 MAIN STREET.

F. AUERBACH & BRO.

GRAND SEMI-ANNUAL

UNDERWEAR SALE

Ladies, why stitch, stitch, stitch; crook your back and invite disease, when you can buy your own and children's well-made and perfect-fitting MUSLIN UNDERWEAR at the cost of the material.

OVER 1000 DOZEN

Of Nightgowns, Chemises, Drawers, Skirts, Corset Covers, Aprons, Children's Slips, Gingham Dresses, Infants' White Dresses, Children's Drawers, etc., etc., at the uniform price of 25c., 50c., 75c., $1.00, $1.25 and $1.50 each.

CONDITIONS OF SALE:

Only three Garments of each kind and price, viz.: three each Nightgowns, Chemises, Skirts, etc., etc., at 25c., 50c., 75c., $1.00, $1.25 and $1.50 will be sold to one customer. At 15c. and 35c. each we could only secure a part of our usual lots, which will be for sale under the counter of our

NEW NOISELESS PACKAGE CARRIER SYSTEM!

The first introduced in Utah, avoiding the running to and fro of cash-boys. Come and see it, and convince yourself that we lead in all improvements as well as low prices!

REMEMBER.

These goods can only be secured during the dull season, for spot cash, and this sale cannot be repeated before July or August next. Come in the forenoon and avoid the crush.

To Make Room for Spring Goods, our Great CLEARANCE SALE WILL BE CONTINUED.

All of our Silks, Faille Francaise, Brocades, Armures, Royal Surahs, Satins, India and Novelty Silks at cost and below cost. Priestly celebrated Black Goods, at cost and below cost.

All of our Pattern Dress Goods, Ladies' Cloths, Cashmeres etc., etc., at cost and below cost. All our Table Toweling, etc. etc., at cost and below cost.

French and English Flannels, Outing Cloth, etc., at cost and below cost.

Bargains in the Domestic Department to astonish you.

Ladies', Misses' and Children's Cloaks and Suits at cost and below cost.

Ladies' Waists, Skirts, Furs, Fascinators, etc., at cost and below cost.

Stylish Trimmings, Laces, etc., at cost and below cost.

All Wool and Merino Underwear at cost and below cost.

Ladies' and Children's Hose, Mittens and Gloves at cost and below cost.

—CHILDREN'S AND BOYS' CLOTHING.—

Overcoats, Mothers' Friend Waists, Underwear, Gents' Underwear, Neckwear, White Shirts and Overcoats at cost and below cost.

Blankets and Quilts to clear out less than cost. Carpets, Linoleums, Rugs, Shades, etc., at reduced prices.

COME ONE, COME ALL. ONE PRICE TO ALL.

MAIL ORDERS RECEIVE PROMPT ATTENTION.

F. AUERBACH & BRO.

DIRECTORS: W. H. Taylor, John Romney, A. Armstrong, R. J. Kennedy, W. F. Armstrong. | Geo. Romney, Manager. Geo. H. Taylor, Assistant Manager. Geo. E. Romney, Secy. and Treasurer.

Lumber Yard & Steam Planing Mill

TAYLOR, ROMNEY, ARMSTRONG CO.,

One Block East of the U. P. R. R. Depot.

OGDEN COLLEGE,

WM. A. OBENCHAIN, A. M., PRESIDENT.

DEAR SIR:

I am more than pleased with my "Howe" Ventilating Stove, and cannot say too much in its praise. In the first place, *It is the only base burner I have ever seen that is constructed on correct principles, while in heating capacity and economy of fuel it is all that you claim for it. In the fresh air which it warms and diffuses throughout the house there is a balminess of temperature which I have never found in the heat of any ther stove;* not even when sitting close to the stove is there any sense of oppressiveness.

Very truly yours,

WM. A. OBENCHAIN, Prest.

The "Howe" Ventilator stands today the most remarkable discovery in heating stove construction. We will cheerfully refund the price of any stove not proving Perfectly Satisfactory.

E. C. Coffin Hardware Co.

—Dealers in—

Hardware for the HOME, MINE, MILL, MECHANIC,

PROGRESS BUILDING.

ESTABLISHED, 1866.

Joseph E. Taylor,

Pioneer Undertaker of Utah.

Manufacturer and Jobber in All Kinds of Mouldings, Hard and Cloth Covered.

COFFINS AND CASKETS,

Full Line of Coffin Furnishings kept constantly on hand.

Attention & Telegraph Orders Promptly Filled.

Bodies Preserved in Their Natural Condition without extra charge.

OPEN DAY & NIGHT.

Factory and Warerooms No. 161 E. First South.

One and a Half Blocks East of Theatre.

TELEPHONE No. 10.

Jos. William Taylor.

—SON'S LEADING—

UNDERTAKER AND EMBALMER.

I Carry the Largest and Most Complete Stock of

COFFINS, CASKETS

And Undertakers' Goods in Utah, Wholesale & Retail, at Prices Defying Competition. Local dealers every over offered in Utah.

LOTS AND GRAVES —Furnished in any Cemetery in the City.

All Orders Filled Day or Night in the Shortest Possible Time.

—OFFICE AND WAREROOMS NEVER CLOSED.—

21 AND 23 WEST TEMPLE STREET,

P. O. Box 904. Telephone 251.

A. S. RIDLEY. A. S. DUNCAN

GEO. DUNCAN & SONS,

Manufacturers of

Fine Crystal and Colored Glass Table Ware, Bar Goods, Jars, Lamps, Etc.

10th Street, S.S. PITTSBURGH, PA.

The Sale for R. C. M. I., and dealers generally.

L. WOLFF MFG. CO

FINE BATHROOM OUTFITS.

Sanitary Specialties — Bath Tubs, Lavatories, Water Closets, Kitchen Sinks, Laundry Tubs. All the latest designs and modern devices.

Catalogues of which are Cheerfully Furnished to all Intending.

GENERAL OFFICES: 83 West Lake Street.

EXHIBIT DEPARTMENT: 32 Dearborn Street.

FACTORIES: 35-137 West Lake Street.

CHICAGO, ILL.

SCHULTZ & HIRSCH

WHOLESALE DEALERS IN

Feathers and Feather Pillows,

MANUFACTURERS OF

—COMFORTERS AND MATTRESSES.—

DEALERS IN

Curled Hair, Hair, Wool, Excelsior, Tow, Ticking, Etc.

202 and 204 E. Desplaines St., CHICAGO

GUNPOWDER.

Let him who shot who never shot before, And him who always shot now shot the more.

HAZARD'S "Kentucky Rifle."

HAZARD'S "Trap Shooting."

HAZARD'S "Duck Shooting."

HAZARD'S "Mining and Blasting."

HAZARD'S brands, the most reliable in the market.

MANUFACTURED BY

THE HAZARD POWDER COMPANY,

Hazardville, Conn.

Representing in Utah by J. W. Sanders & Co., Agents. Send for diagram card showing sized grain.

THE

Thomson & Taylor Spice Co.,

Importers and Manufacturers of

FINEST SPICES

—AND—

FLAVORING EXTRACTS

KNOWN TO THE TRADE.

Proprietors of the Famous Brand of

RED CROSS LYE.

30, 32, 34, 36, 38, 40 So. Water Street.

CHICAGO.

PLEASE REMEMBER

That we still Carry a Complete Line of

Disston's Celebrated Saws,

Consisting in Part of

Cross Cut, Drag, One Man, Upright, Mill, Hand Rip, Panel, Frame, Framing, Compass, Butcher, Cluck, Keyhole, Fox, etc.

Circular, both Solid & Chisel Point Tooth And "TRIUMPH,"

For Felling Trees with, and are Selling at LOWER PRICES THAN EVER!

Also a Full Stock of Their

Renowned RASPS & FILES always on hand

Z. C. M. I.

THE CRY OF MILLIONS

OH, MY BACK!

STOP IT NOW, SOON IT WILL BE TOO LATE.

I have been troubled many years with disease of my kidneys and have tried many different remedies and have sought aid from different physicians without result. About the 17th of April I was suffering from a very violent attack that somewhat prostrated me to such a degree that I was bed ridden. When I rose from it was almost impossible for me to get up alone, or to put on my clothes, when had Prescriptions from Dr. Kendall's Medical Institute, I commenced using the Dr. Kendall's Medicines, and in the enjoyment of all the pleasures of the home, in a few days, I no longer felt any pain, and I was a free man. My wife recommended the use to all afflicted as I have been.

G. A. TUFFER,

Proprietor Occidental Hotel, Santa Rosa, Cal.

NO MORE BACKACHE

Sold Wholesale and Retail at Jaynes, Smith & Co.