



LIBRARIES

UNIVERSITY OF WISCONSIN-MADISON

The Nebraska bee-keeper. Vol 4, No. 10 October, 1893

York, Neb.: Stilson & Sons, October, 1893

<https://digital.library.wisc.edu/1711.dl/O3H3AXWXWOHKW8O>

<http://rightsstatements.org/vocab/NKC/1.0/>

For information on re-use see:

<http://digital.library.wisc.edu/1711.dl/Copyright>

The libraries provide public access to a wide range of material, including online exhibits, digitized collections, archival finding aids, our catalog, online articles, and a growing range of materials in many media.

When possible, we provide rights information in catalog records, finding aids, and other metadata that accompanies collections or items. However, it is always the user's obligation to evaluate copyright and rights issues in light of their own use.

THE NEBRASKA BEE-KEEPER.

YORK, NEBRASKA.

Vol. 4,

October, 1893.

No. 10

JOB AND CATALOGUE WORK

York, Nebraska.

Of all kinds done at this office promptly and cheaply. Address **STILSON & SONS.**

EVERYBODY'S LAW BOOK.

Is the title of the new 768 page work prepared by J. Alex. Koonen, L. L. B., member of the New York Bar.

It enables every man and woman to be their own lawyers. It teaches what are your rights, and how to maintain them. When to begin a law suit and when to shun one. It contains the useful information every business man in every state in the Union needs. It contains business forms of every variety useful to the lawyer as well as to all who have legal business to transact.

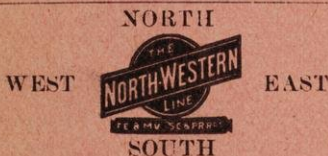
Inclose \$2. for a copy, or inclose two-cent postage stamp for a table of contents and terms to agents. Address **BENJ. W. HITCHCOCK, Publisher, 385 Sixth Avenue, New York.**

The Poultry Keeper, and the New Bee-Keeper, each one year for only 85cts.

ITALIAN & ALBINO QUEENS.

Headquarters for the Albino bee. If you desire pleasure in working among bees, and wish for large yields of honey then buy those beautiful Albino queens from my one hundred dollar queen. Untested Albino queens from same queen in season. Also tested and untested Italian queens in season. For particulars address

D. A. PIKE, Smithburg, Md.



Purchase Tickets and Consign your Freight via the

F., E. & M. V. AND S. C. & P. RAILROAD.

H. G. BURT, General Manager.

K. C. MOREHOUSE,

J. R. BUCHANAN,

Gen'l Freight Agt.

Gen'l Pass. Agt.

Omaha, Nebraska.

For Rates, Information, etc. call on or address **R. W. McGINNIS, Agt., York, Neb.**

Tanks!

Water Tanks for Stock, Reservoir tanks, thresh-er tanks. Either round, half round or square, of any size, at lowest prices. Price list free. Discount to Dealers. **E. Kretzmer, Red Oak, Ia.**

Hulbert Fence & Wire Co., St. Louis, Mo.
Artistic Metal Workers. Fences, Iron and Wire Office-work, Railings, Crestings, Nettings, etc. Everlasting Cemetery FENCES. Shipped everywhere. Agents wanted. Write for Catalogue and Estimate.

Safe, Durable, Fence; Only \$80 per mile. **Land Owners** save one-half the cost, avoid dangerous barbs,

Agents make \$200.00 per mo. and expenses, **Cash** The best local and traveling agents wanted everywhere, write at once for circulars and choice territory; address **A. G. Hulbert, Patentee, care of Hulbert Fence and Wire Co., 904 Olive Street, St. Louis, Mo.** Factory Catalogue, with 200 engraved designs and prices sent free to any who want fancy iron and wire work or city, cemetery and farm fences, etc.

BEE SUPPLIES

RETAIL and WHOLFSALE. Everything used in the Apiary. Greatest variety and largest stock in the west. New Catalogue, 70 Illustrated pages free to Bee Keepers.

L. L. ALSPAUGH,
Auburn, Neb.

Manufacturer of and Dealer in **BEE HIVES, BEE-KEEPERS**

SUPPLIES
DADANT'S COMB FOUNDATION
SMOKERS, SECTIONS

Frames, Honey Knives, Bee-books, Porter's Spring Bee Escape, and everything usually kept in a First Class Shop.

PATENTS

We secure United State and Foreign Patents, register Trade-Marks, Copyrights and Labels, and attend to all patent business for moderate fees. Free report on patentability free of charge. For information and free hand-book write to **H. STILSON & CO., Attorneys at Law, Opp. U. S. Pat. Office. WASHINGTON, D. C.**

THE NEBRASKA BEE-KEEPER.

YORK, NEBRASKA.

Vol. 4,

October, 1893.

No. 10

The State Convention, held at Lincoln, Neb.
September 12-13-14. 1893.

Presidents' Address.

Fellow Bee-Keepers.

Again we have met in annual convention. Again we extend the hand of friendly greeting. It is very proper that we, engaged in one occupation, should meet together, in order to compare varied experiences during the past year, and to lay plans and to renew friendship for the year to come. It has been very gratifying to me that during the past two years there has been no dissensions within our ranks, and all have expressed a willingness to place his or her shoulder to the wheel and aid on the interest of bee keeping in Nebraska. The fine exhibit which you made at the state fair last year and the interest everyone took in our last annual meeting has been the subject of favorable comment throughout the whole country. Your exhibit at the Great World's Fair at Chicago is daily being visited and admired by thousands who visit the Apiary Department. We excel all on exhibit of designs in beeswax.

Our Herbarium of honey producing

plants is without pretense at competition, and is a subject of much interest with people from all parts of the Old World. The neatness in which they were put up, and the correctness of their names were also subjects for favorable comment, and for which this Association is indebted to Professor Charles E. Bessy and his assistant, Mr. Fred C. Clements, of our State University. This Association has in the past found firm friends in these persons as well as in Professor Lawrence Bruner of our State University, and, as a memento of their friendship to the interest of the Apiarist of this State, I recomend, that they be made honorary members of this Association, and be cordially invited to take part in the deliberations of our meetings. The fact that every article of our exhibit at the World's Fair was generously loaned, is another source of congratulation and I am aware that in order to make as good an exhibit as possible at a time when the product of your apiaries was so scarce that many of you parted freely with which might otherwise appeared as a luxury on your own board. The fact, that we were able to show so many different kinds of nectar is also receiving many favorable com

ments from abroad and from people who express a desire to know our State, and especially the honey produced there in, better in the future. This has indeed been a hard year for bee-keeping in this State, yet the great drouth has extended clear from the Atlantic to the Pacific, and, in the fairly good flow of full honey to the bee-keeper who is up to the times and has kept his apiary up to a working condition, here in Nebraska, we find our apiaries in better condition for the coming winter, than are our friends both east and west, who at a time appeared more favored than we. Truly the Poor Richard axiom, of "God helps him that helps himself," is as applicable to bee-keeping in Nebraska as to any other avocation. During our stay at Chicago, we have been able to gather samples of honey from England, Scotland, Greece, Russia and Siberia. The latter is perhaps as far north as any one has been able to gather a sample of the work of the "little busy bee." These samples are with us at this time and from them we hope to be able to demonstrate the superiority of Nebraska honey as compared with that produced in any country of the old world. In order to obtain these, we have exchanged samples of ours which we trust will be equally as convincing to them upon our side of the question, and at the close of the World's Fair with the permission of the bee-keepers who so generously loaned the material for the Nebraska honey exhibit at Chicago, I hope to be able to send out to foreign climes many more of these samples of the honey product of our state, as convincing arguments of the superiority of our honey both in color and richness as well as in flavor. We have at our own expense procured a fine cut of our honey exhibit at the World's Fair, which will be used in the next number of your official paper, the Nebraska Bee-Keeper. The financial panic has placed many in a position where they cannot visit the fair

and see for themselves, and I have deemed it proper that these should be given at least a picture of how our exhibit looks at the great exposition. The continued drouth has sent the honey bee out on wide forageing expeditions, and in so doing have in many localities, in portions of the north half of Clay and Filmore, and I doubt not in the southern portions of Hamilton and York counties, carried home that dread of all bee-keepers, Foul Brood. This is mostly confined to small apiaries kept by farmers, who in many cases do not know what ails their bees. In a case visited personally a few days ago in Filmore county north-east of Exeter, we found an apiary of six colonies badly infected with this dreaded and loathsome disease. The lady who owns this small apiary expressed so much of a willingness to restore by any means to rid herself of this pest, that we prevailed upon her to give Prof. McEvoy's cure for this disease a thorough trial, and as she is a lady who is very thorough and industrious, I shall watch her application of this method with no little interest. I would recommend that this association take measures to thoroughly stamp out this disease wherever it exists, and as I have considerable faith in this new method for the effectual and speedy cure of foul brood, I would further recommend a free and full discussion of this cure, and if deemed advisable to take measures to instruct the small bee-keepers throughout the state as to the proper method of its application in order to effect a permanent and speedy cure. To go to the small apiary of the farmer and arbitrarily burn his bee hives and thoroughly obliterate from his premises all evidences of an apiary, appears to be barbarous indeed, but if we can induce him to apply a more modern method for its speedy cure, we have done him or her a kindness that at once draws them towards our association as

a benefactor, instead of one who under the strong arm of law destroys what they consider property, and whom we are not always able to convince of the danger lurking in the hive. I congratulate you on the fact, that you have during the past, patterned after the bees which you manipulate, and now that we are nearly ready to go into our winter quarters, have no drones among us. Two amendments to our constitution will come before you at this meeting for approval or rejection, and while I have no recommendations to make regarding them, yet I have some misgivings regarding the success of a winter meeting. I would much dislike to do anything that would detract from the interest taken in our fall meetings. Here we meet annually, fresh from the apiaries, with samples from them, or with appliances from our work-shops. The experiences of the season past and gone are fresh in our minds, and we have the appliances before us to aptly illustrate any point we desire. During the past winter this association filled for the first time a part of the program at a series of Farmers Institutes held in different parts of the state, as the lot of filling a part of this program fell upon me, I desire to state that I was agreeably surprised at the intense interest taken in apiculture where these meetings were held, and I heartily recommend a continuation of the same. By so doing we create an interest in apiculture and also an increased demand for the product of our apiaries and supply houses. The rut, that by diffusing a general knowledge of our business, that by enlightening the masses we bring ourselves into close competition, is too narrow and deep for this day and age of the world. Not every man or every woman can become a successful bee-keeper, and there is ample room not far up the ladder, and it is to that grade in your chosen avocations that I invite you.

My labors as president of this association are nearly at an end, and it is a pleasure as I look backward at the past two years, to know that I have at all times been aided by your hearty cooperation, and that not a jar has clouded the horizon of our association.

I solicit for my successor the same kind consideration, the same hearty cooperation in the future you have given me in the past. I do not need to bid you adieu as I shall be found working side by side with you in the future with the one object of building up a demand for the honey produced in our state and attempt to hold and increase its demand afterwards.

The bee-keepers of other states are advocating the establishment of experimental apiary stations at different points or in the different states. The experiments made by Prof. Cook and others have been of great benefit to the bee industry, and in order to keep pace with other branches in our state, this association should discuss this question with a view of either competing with other states, or what is far better, that of establishing one of these stations at our State University. Such a measure would doubtless be of great benefit to the people of the state, and where young men and women could obtain a practical knowledge of this industry. I am well aware that this is assuming in advance, but if as bee-keepers of this state we desire to lead rather than follow, we must assume the advance.

Yours, E. Whitcomb, Pres..

Secretary's Report.

Mr. President, Fellow Bee Keepers.

When I was elected to the position of secretary of this Association two years ago, I found that the society was several dollars in debt. And I at once determined that so far as I was concerned I would not incur any further indebtedness. I may have gone to the other extreme and not have done some

things which might have been of benefit to the society.

This year I have no bills to present, as I have had all notices printed where it cost us nothing. Last year I printed 1000 copies of our By Laws and Constitution and distributed them without cost to the society getting some pay for advertisements printed on its covers.

During the past winter there were held a series of Farmer's Institutes in different parts of the state at which the bee-keepers were given one session.

I have attended seven of these institutes and prepared papers for others, besides talking bees and honey at eleven other meetings, traveling about fifteen hundred miles mostly at my own expense, but with hotel bills generally paid. At all these gatherings there has been a universal interest manifested, much more than I had anticipated.

At our last meeting there was a committee appointed to look after our interests before the state Legislature. In doing this we found some difficulties in the way. To remedy some of these we have proposed some changes to our constitution and ask you to vote upon them at this session.

Perhaps they may not be just right, but are the best we could think of at the time, and were presented at a special meeting of the society held in this city in January last, and ordered printed before this session, so that every member might know what changes were proposed, in time to vote for, or against as they saw fit, whether they attended this meeting or not.

During my term of office I have endeavored to encourage county and local societies. There are several such now in the state, and I call your attention to the proposed section to be added to our constitution.

I would recommend that this society appoint a committee to look after our interests before the next Legislature to hold thier position for two years and

that they use thier best energies to secure for our society the same benefits by the state that are given to the State Horticultural, Dairymans Association, and Poultry breeders, and kindred societies.

Also that we ask for the establishment of an experimental apiary at the State University, and that apiculture be one of the branches taught in connection with experimental work, and, that if no state appropriation is available for the purpose, we will as individuals, help in the work until the next meeting of the Legislature hoping to secure the proper funds for its continuance.

The Professors at the State University have always extended a friendly hand and we wish for a continuance of their good will.

So far as I know there has been perfect harmony of feeling and action among the officers and members during my term of office and I believe that the better acquainted we get with each other the less of envy there will be among the bee-keepers. A friendly strife fairly conducted is one of the best of educators. We each learn from the other and each year sees a better exhibit of our handiwork than the past. Then let us keep up these friendly rivalries and grow better and wiser.

Thanking you for your courtesies in the past I remain yours to learn more of bee-keeping.

L. D. Stilson Sec.

The Abuse of the Honey Extractor.

By A. C. Tyrell.

Much has been said and written in praise of the extractor, little against it, and there would be no occasion now to say aught against the machine, if it were not for the fact that eastern producers and others not long since, felt that it was incumbent upon themselves to advertise and declare to the world that honey was adulterated.

Continued on page 118.

The Nebraska Honey Exhibit at the
World's Fair.

We are indebted to Bro. Whitcomb for cut and something of a description of the Nebraska honey exhibit at the great Fair in Chicago. In the arrangement of the exhibit, there are sixty-five specimens of the principal honey producing plants of the State, mounted on cards, and labelled with both the common and scientific names.

Wax has been used in making

of the exhibit is dark". This comment of course we take good naturally as so few of those easterners know how *really fine* honey should look. Bro. Whitcomb needed a light stimulant, so shows a few bottles of Mr. Davidson's metheglin. we should like to know if the eastern men think that part of the exhibit is "dark"! As compared with some other states our honey exhibit is small, but our superintendent in charge did not buy white



Nebraska Honey Exhibit at The World's Fair.

figures, flowers, wreaths and fruit, and so skillful in its working have Mrs. Whitcomb and Mrs. Stolley shown themselves that this portion of the exhibit is beyond all competitors. In the honey display, there are twelve distinct varieties shown, mostly extracted and in bottles and much of it granulated. An eastern writer says, "the principal portion honey where-ever it could be found to make a big pile, neither has he been obliged to sit up nights writing a defense of his position. Taken as a whole, the display is a grand advertisement of our state and our resource for "sweet", and is a credit to the presiding genius and those in charge during his absence.

"The Wiley lie" or "scientific pleasantry", as it is now called, being more euphonious, I suppose, was exploded long ago, and none but the most ignorant contend that other than pure nectar enters very largely into comb honey, but the use of the extractor has made it *possible* to adulterate the extracted article, and according to the would-be eastern reformers, little if any of the genuine stuff finds its way into the market—a very singular confession from the honest (?) eastern apiarist.

Of course those who declaimed so loudly, in season and out of season, against the adulteration of the extracted honey, were strictly honest! the other fellows were the guilty parties.

At all events, the people have been given to understand by the very best authority (the producers), that extracted honey, so called, is not honey but a vile decoction composed of glucose and other foreign matter, and very naturally the consumer refuses to buy it, if nice clean comb honey is to be obtained.

The admissions and confessions of the self-convicted criminals have proven to be more damaging to the honest producers of the country than all the scientific pleasantries ever published, and I charge the extractor with being responsible for the same, in the hands of culpable men.

Whether or not there is any truth in the charges made, and referred to above, great injury has resulted therefrom, from which we will recover very slowly, if ever public opinion again accord to us other than dishonest practices.

The foregoing is the most serious charge against the extractor, and I need not enter more into detail, as I think it will form at least a basis or topic for discussion.

Who will be the first to say: The Extractor Must Go.

We will give our version of the "abuse," next month.

During the convention, there were some papers handed to the secretary, but owing to want of time were not read but were ordered printed, one of which we publish below, others will be found in next month's issue.

How I became A Bee-Crank.

L. L. Allspaugh

Because of no subject given me I hardly know what to say before this intelligent body and not knowing what anyone else would have to say, I thought I would take up some subject that none other could have.

In the fall of 1886, while living in your beautiful, capital city of the state, at 2148 N st., I took the bee fever, having never had any desire or love for the honey bee at all before this. What caused me to have the bee fever, I will try and tell.

While working for the well known Dr. Queen of your city, I saw his bees sitting around his place, one at the rear end of my work bench and one just a little ahead of me. While I was a little afraid of being stung, I much enjoyed seeing them working so busy. There seemed to be quite a good honey flow on at that time, so I never got a single sting the whole three days I worked there. This was on 40th st., in the east part of Lincoln. He had a good many bees, the number I do not remember, but they were sitting here and yonder as they happened to be with calves, pigs and such like running amongst them. His place did not look as neat as some yards I have seen.

By the way, one morning the State bee inspector came up into the yard to inspect his bees, the doctor had business in his office that day, so he could not be at home. He wanted the inspector to wait until the next day, but the inspector refused to wait. This made the doctor a little out of fix. Allow me to say here that I think the in-

spector was a little careless and cranky too. When the doctor came home in the evening he found a few of his hives with the lids carelessly put back with a crack so the bees could pass in and out, which might result in some bad luck when the honey flow ceased. This made the doctor a little warm under the collar, and he had to relieve himself of some of his wrath by abusing the inspector to me and before we got through with our talk, he sold me two swarms of bees assuring me that they would make me at least 50 lbs. of surplus honey that fall and that would nearly pay me back my money. I then at once set about to find out something more about bees. I made some inquiries where I could find some books. I then heard of the A B C of bee culture published by A. I. Root of Medina, Ohio. I had no peace of mind until I squandered \$1.25 for a copy of the same.

Now by this time it was time to take out that 50 lbs of honey that I was to have but when I went to take it off, I found 48 empty sections instead of 50 lbs. honey. This made me look down my nose and I then began to think that bee men would guess at things largely especially when they had something to sell and a green sucker to deal with.

Knowing that there are ups and downs in all kinds of business, I then picked up courage again and took the advice of A. I. Root and put my bees in the cellar in winter and did not seal the covers either.

Well in the spring 1887 they came out of their winter quarters strong and thrifty. I then felt quite encouraged and more determined to go into the bee business than ever.

Now swarming time came and I asked Dr. Queen, what he would charge me to come down and divide a swarm for me and show me how, as he advocated that plan to be the best way. He said he would come for 50 cts. and his dinner and I said "come ahead." He

divided all right, but like a good many others, he forgot to tell me how to prevent the after swarm, which came off in about 9 days. They lit in a tree in the street. I was away from home, my wife saw them come out of the hive and raise up over the tree tops and not like some women she ran and locked the screens and looked out and they went over the tree tops and that was the last she saw of them. I came home in the evening, I saw a swarm of bees sitting there in the street but not once did I think they were mine. My wife told me that the bees had swarmed she believed. On examining the hive I found that they had and I supposed they were gone.

A few days later I saw Dr. Queen and he told me that the street car driver got them and sold them. I then went to the man who bought them, told him my story and he said that he thought probably they were mine from my story and if I could prove them I could have them but if I could not prove them I could not have them of course. I could not prove them, so went home again thinking a good deal, not saying a great deal out loud at least but I thought how could a man who had upwards of 80 swarms and then take the very first swarm from me who had only two. I cannot name the man or I would. He lives in Lincoln.

Well this is enough of that. That spring I increased to seven swarms and got 200 lbs. of surplus honey. This encouraged me still more.

That fall which was the fall 1887, I moved my family and bees to Auburn put my bees into winter quarters, a poor cave, seven of them, but in the spring I only brought two out and they were in a poor shape. They did not swarm this year at all and made me only 20 lbs. honey. I put them in a cellar the next winter and they came out the next spring in good shape. I then thought I would go into the supply

trade along with the bees. I now had only two swarms, no shop, no money. I will tell you how I got a shop. I made a bench, putting it in the back yard. That was my shop for that year. I bought my supplies from I. M. Dickerson of Hiawatha, Kansas and kept them in the cellar near by my work bench, with my apiary just to the right of me. I bought or traded for a few swarms and that year I increased to 12 swarms. I sold 75 bee hives all of the Eureka hive, made by hand, out there in the hot sun.

The following year, I rented a small building and continued business on a small scale, bought most of my goods from A. I. Root, Medina, Ohio, some from our friend E. Kretchmer. The next year I bought most of my goods from E. Kretchmer. I then built a small shop and put in a little machinery, saw cutter head, by the way, I cut off my thumb at that kind of work which did not feel very pleasant. I have been in business since and much enjoy this kind of work though I am only a niny in the great work.

I have been looking forward to the time when I could go to the state fair and to the state bee-keepers association and meet with the prominent bee men of our state, and adjoining states, and meet them face to face and have a talk with them, but it is out of the question for me to be present this year as I have some work on hands that I could hardly leave and on the question of finance I must remain at home. Hoping to see the day when I may be able to meet with you at the state association. Should any of you pass near our city, I hope you will take a little trouble to call and see me. I have worked hard to get our county association in running order, hoping that A. W. Saultzbaugh our secretary and representative will give us a send off and get some good pointers to bring home to us.

More papers next month.

↔The Nebraska Bee-Keeper↔

Subscription Price, 50 Cents per Year.

York, Nebraska.

Devoted to Bee-Culture, Honey Production,
Fruits, Flowers, Etc.

PUBLISHED MONTHLY.

Stilson & Sons, Editors and Publishers.

At the recent State Convention I was re-elected secretary and to the position of treasurer as well.

There may have been some meaning in this, as I have not made an extra good secretary, and knowing me to be a slow walker, a hint is given, as they required no bonds. I wish to speak out in meeting and say, "you" have not paid the yearly dues of 50 cents, send that along and it will give us more to go on.

Our society is out of debt, now wake up, every body, and make a success as never before. We will have regular "watch-meeting" this winter, Bro. Whitcomb's fears will be dispelled, but you wont enjoy it unless you wake up.

L. D. Stilson, York, Neb..

Hoping to spend the winter in a warmer climate, our helpers have gone southward. Charles, with his wife and year old baby, and Wm., our office foreman, have gone to Hammond, La. for the winter, and if suited, Chas. may make a future home. Their leaving has thrown extra cares upon the old gent of the shop and puts us late with this issue. Let patience have her perfect work awhile and we will soon be up with the season.

We have no friends to reward, or foes to punish, at another's expense, therefore all are to be treated alike, and to all our readers who will before Dec. 1st pay arrears if they are back on their subscription, and a year in advance, or to new subscribers who pay the year ahead we will send, post paid, three fine Gladiolus Bulbs, with printed directions for growing. We have all shades of color from black to white, but mixed up, so don't ask for any one color, but take what we send.

If there is a company of bee men in Nebraska, who wish to have the winter meeting of the State Society held in their town, they must write us before Nov. 25th what they will do for hall warmed and lighted for two days, also hotel rates and entertainment for officers and speakers.

L.D. Stilson, Sec. York, Neb.

S. T. Fish & Co. Commission merchants, 189 S. Water st. Chicago Ill. write us saying "We want honey, and ask you to ship all you have at once. Quote fancy selling at 16cts choice, 15cts, No. 2 13 to 14 cts. poor 12cts.

Extracted selling at from 5½ to 7 cts. depending color, flavor, style package and quantity buyer will take.

Bees wax 22 to 24 cts., and we have no stock on hand."



IN CASH \$325 37 PRIZES

to our subscribers and others who send us the largest number of yearly subscriptions, at CLUB RATES, \$1.00 EACH, from now until Jan. 15, '94. Club rates extended to all who send one or more new subscriptions with their renewal. For sample copies and particulars, address

NEBRASKA FARMER CO Lincoln, N. B.

HUMPHREYS'

Dr. Humphreys' Specifics are scientifically and carefully prepared Remedies, used for years in private practice and for over thirty years by the people with entire success. Every single Specific a special cure for the disease named.

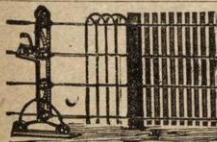
Their cure without drugging, purging or reducing the system and are in fact and deed the Sovereign Remedies of the World.

NO.	CURES.	PRICE.
1-	Fevers, Congestions, Inflammations..	.25
2-	Worms, Worm Fever, Worm Colic....	.25
3-	Teething; Colic, Crying, Wakefulness	.25
4-	Diarrhea, of Children or Adults.....	.25
7-	Coughs, Colds, Bronchitis.....	.25
8-	Neuralgia, Toothache, Faceache.....	.25
9-	Headaches, Sick Headache, Vertigo..	.25
10-	Dyspepsia, Billiousness, Constipation.	.25
11-	Suppressed or Painful Periods.....	.25
12-	Whites, Too Frequent Periods.....	.25
13-	Croup, Laryngitis, Hoarseness.....	.25
14-	Salt Rheum, Erysipelas, Eruptions..	.25
15-	Rheumatism, Rheumatic Pains.....	.25
16-	Malaria, Chills, Fever and Ague.....	.25
19-	Catarrh, Influenza, Cold in the Head.	.25
20-	Whooping Cough.....	.25
27-	Kidney Diseases.....	.25
28-	Nervous Debility.....	1.00
30-	Urinary Weakness, Wetting Bed..	.25

HUMPHREYS' WITCH HAZEL OIL,
"The Pile Ointment."—Trial Size, 25 Cts.

Sold by Druggists, or sent post-paid on receipt of price.
Dr. HUMPHREYS' MANUAL (144 pages,) MAIL FREE.
HUMPHREYS' MED. CO., 111 & 113 William St., NEW YORK.

SPECIFICS.



THE EMPIRE — STANDARD FENCE — MACHINE.

Eight Years of Success. Weaves both farm and lawn fence. Every farmer can build his own fence better and cheaper than he can buy. 35 to 50c per rod complete. One man can build 60 rods a day. Works perfectly over hilly ground and with any kind of pickets. Over 12,000 in use. Wire cheap. Catalogue free. Address, **EMPIRE MACHINE CO., Richmond, Ind.**



THE CHAMPION SMOKER.

The Original curved nozzle steel lined Bellows Smoker. The fire chamber is 3 1/2 x 7 inches, with a corrugated steel lining, which allows a cold current of air to pass between lining and outside shell; keeps the outer shell cool and more than doubles the durability of the Smoker. It has force draft, and spark arresting cone connection between bellows and fire chamber; a base valve to either keep or extinguish the fire at pleasure; and removable spark arresting GRATE in the curved nozzle.

Price, by mail, \$1.90; by express, \$1.65
If your supply dealer cannot supply you, write to the manufacturer,

E. KRETCHMER, Red Oak, Ia.

BEE SUPPLY catalogue of 70 illustrated pages FREE.

Scientific American Agency for

PATENTS

CAVEATS, TRADE MARKS, DESIGN PATENTS, COPYRIGHTS, etc.

For information and free Handbook write to MUNN & CO., 361 BROADWAY, NEW YORK. Oldest bureau for securing patents in America. Every patent taken out by us is brought before the public by a notice given free of charge in the

Scientific American

Largest circulation of any scientific paper in the world. Splendidly illustrated. No intelligent man should be without it. Weekly \$3.00 a year; \$1.50 six months. Address MUNN & CO., PUBLISHERS, 361 Broadway, New York City.

8 FT. \$25
12 FT. \$50
16 FT. \$100

AERMOTORS
ALL STEEL
GALVANIZED
PUMPING OR GEARED SAME PRICE.

For the benefit of the public, the Aermotor Company declares a dividend and makes the above prices as a means of distributing it. These prices will be continued only until its surplus are sufficiently off. Merit has prospered, and a very small profit on a very great number of outfits has given the Aermotor Company the best manufac- turing center of Chicago, with many of floor space and ment of machinery, in existence. The Aermotor Co. feels, in this crown- ing Columbian year, that it can afford to be generous. We will ship from Chicago to any one anywhere at the above prices.

THE AERMOTOR COMPANY,
12th and Rockwell Sts., CHICAGO.

Woven **FENCING**
WIRE

★ THE VERY BEST
RABBIT AND POULTRY NETTING.

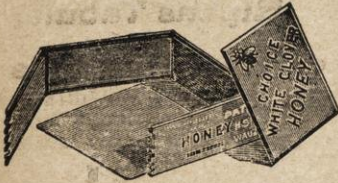


SEND FOR FURTHER INFORMATION.
The McMullen Woven Wire Fence Co.,
115 and 120 N. Market St., Chicago.

FOR ALL KINDS OF BEE-KEEPERS SUPPLIES.
 ADDRESS LEAHY MFG. CO. HIGGINSVILLE-MO.

THE STEWART BOX,

A NEW INVENTION.



Just the thing for EXTRACTED HONEY. They will hold liquids and may be sealed up air-tight. They are cheap, attractive and are destined to supersede tin and glass for many uses. Nothing will pay the honey-producers better than to use these boxes and put up their honey in convenient shape for retailing. They may also be used for Jellies, Preserves, etc. We are now sending out sample cases of 1 and 2½

b. boxes to hold 60 lbs. of honey for only 65cts. (send for one). We also manufacture the finest ONE-PIECE SECTIONS on the market, and sell them the cheapest. Write for Catalogue and Prices.

HENRY STEWART, WAUZKA, WIS.

1878..... DADANT'S COMB FOUNDATION.1892

More than ever. Better than ever. Wholesale and Retail.

Half a Million Lbs. Sold in Thirteen Years. Over \$200,000 in Value.

It is The Best, and guaranteed every inch equal to sample. All dealers who have tried it have increased their trade every year.

Samples, Catalogue, free to all. Send your address.

We also make a specialty of cotton and silk tulle of very best grade for bee-veils. We supply A I Root and others. Prices very low. Samples free.

Smokers, Honey Sections, Extractors, Tin Pails for Honey, Etc. *Instructions to Beginners with Circulars free.* Mention this Journal.

Chas. Dadant & Son,—Hamilton,—Hancock Co.,—Ill.

HILL'S FEEDERS AND SMOKERS.

This Smoker burns chips or hard wood without any special preparation. Very reliable. Greatest Smoking capacity. Easiest to start and cheapest because it saves time. Price of Smoker, 3 inch barrel, freight or express, each \$1.20; by Mail, \$1.40; per dozen, \$10.80.



The Best Bee-Feeder. Most convenient for the bees. No drowning or daubing bees. The feed is taken by the bees without leaving the cluster. From two to seven feeders full may be given a colony at one time which will be stored in the combs in ten or twelve hours. Feeders, One Quart. Freight or Express, Per Pair, 30c.; By Mail 40c.; Per Dozen, \$1.60.



Address:

A. G. HILL, Kendallville, Ind.,

or

H. P. HILL, Paola, Kan.

Below is a list of dealers who handle our goods: Chas. White, Aurora, Neb. Miller Bros. Bluffton, Mo. G. B. Lewis & Co. Watertown, Wis. Stilson & Sons, York, Neb. W. H. Bright, Mazeppa, Minn. Gregory Bros. Ottumwa, Ia. H. McK. Wilson & Co., 202 Market st., St. Louis, Mo. W. S. Bellows, Ladora, Iowa co. Ia. E. F. Quigly, Unionville, Mo. E. Kretschmer, Red Oak, Ia. Thos. G. Newman & Son, 199-203 East Randolph St., Chicago, Ill. Levering Bros., Wiota, Cass Co, Iowa. Chicago Bee-Keepers' Supply Co. Topeka, Kan.

Ripans Tabules.

Disease commonly comes on with slight symptoms, which when neglected increase in extent and gradually grow dangerous.

If you Suffer from Headache, Dyspepsia or Indigestion,

take **Ripans Tabules**

If you are Bilious, Constipated or have a Disordered Liver,

take **Ripans Tabules**

If your Complexion is Sallow, or you Suffer distress after eating,

take **Ripans Tabules**

For Offensive Breath, and all Disorders of the Stomach,

take **Ripans Tabules**

Ripans Tabules act gently but promptly upon liver, stomach and intestines; cleanse the system effectually; cure dyspepsia, habitual constipation, offensive breath and headache. One Tabule taken at the first indication of indigestion, biliousness, dizziness, distress after eating or depression of spirits, will surely and quickly remove the whole difficulty.

Ripans Tabules are prepared from a prescription widely used by the best physicians, and are presented in the form most approved by modern science.

If given a fair trial Ripans Tabules are an infallible cure; they contain nothing injurious and are an economical remedy.

ONE GIVES RELIEF.

A quarter-gross box will be sent, postage paid, on receipt of 75 cents by the wholesale and retail agents.

H. T. CLARKE DRUG CO. Lincoln, Nebraska.

Local druggists everywhere will supply the Tabules if requested to do so

They are Easy to Take, Quick to Act and Save many a Doctor's Bill.
Samples Free on application to the Ripans Chemical Co., New York City.

Do You

FEEL SICK?



Disease commonly comes on with slight symptoms, which when neglected increase in extent and gradually grow dangerous.

If you SUFFER FROM HEADACHE, DYSPEPSIA or INDIGESTION, . . .

TAKE **RIPANS TABULES**

If you are BILIOUS, CONSTIPATED, or have LIVER COMPLAINT, . . .

TAKE **RIPANS TABULES**

If your COMPLEXION IS SALLOW, or you SUFFER DISTRESS AFTER EATING, . . .

TAKE **RIPANS TABULES**

For OFFENSIVE BREATH and ALL DISORDERS OF THE STOMACH, . . .

TAKE **RIPANS TABULES**

Ripans Tabules Regulate the System and Preserve the Health.

RIPANS TABULES

take the place of

A COMPLETE

MEDICINE CHEST

and should be kept for use in every family. . .

EASY TO TAKE, QUICK TO ACT.

SAVE MANY A DOCTOR'S BILL.

Sold by Druggists or sent by mail on receipt of price. Box (6 vials), 75 cents. Package (4 boxes), \$2.

For Free Samples address

THE RIPANS CHEMICAL CO.

10 SPRUCE STREET, - - NEW YORK.