AT A CRITICAL TIME.

Women Are Likely to Suffer with Dangerous Kidney Disorders.

Mrs. John Kirk, R. F. D. No. 2, Detroit, Mich., says: "Five years ago at



a critical time of life I was on the verge of a collapse with kidney troubles, backache, dizziness, puffy dropsy swellings and urinary frregularities. I lost flesh and felt languid, nervous or unstrung all the time.

As my doctor did not help me I begån using Doan's Kidney Pills. In a few weeks all these symptoms left me. I now weigh 163 pounds and feel in excellent health."

Sold by all dealers. 50 cents a box. Foster-Milburn Co., Buffalo, N. Y

Amiability Plus Science. The public expects much of the modern nurse-the same self-sacrifice. righteousness and pureness of living as in the past, but combined with a technical skill and an amount of learning unknown to our predecessors. -The Nursing Times.

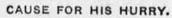
COMPLAINTS ABOUT PAINT.

The time to complain about paint is before the painter applies it. The man who puts up the money should not shirk the responsibility of choosing the paint. True, the painter ought to know paint better than the banker, the professional man or the merchant. The trouble is, the houseowner too often deliberately bars the competent and honest painter from the job by accepting a bid which he ought to know would make an honest job impossible.

Secure your bids on the basis of National Lead Company's pure White Lead and pure Linseed Oil and see that you get these materials.

No one need be fooled by adulterated white lead. A blowpipe testing outfit will be mailed to anyone interested in paint.

Address, National Lead Company, Woodbridge Building, New York City,





"Ah, I love to see a little boy in such a hurry to get to school!"

"Yes, sir. Me little brother's got de measles, an' I'm hurrying up to get

Economical Physician.

Ambassador Wu Ting-fang was once, it is alleged, telling about a certain selfish politician. He said: "The man reminds me of a doctor of Shanghai. A mandarin came to this doctor for advice. He could not sleep, had no appetite, suffered a good deal from depression and nevertheless was taking on fat at an alarming rate. 'We'll soon put you in condition again,' said the physician. 'What you need is exercise, good, hard exercise. Four times a week you can come here and put in the morning polishing my floors.' 'But why not my own floors?' the mandarin inquired. 'Mine,' said the physician, 'are larger.'"

How He Got Rid of Rats.

A farmer describes his method of clearing the premises of rats in the following manner: "On a large number of old shingles I put a half-teaspoonful of treacle each, and on that with my pocket knife I scraped a small amount of concentrated lye. I then placed the old shingles around under the stable floors and under the cribs. The next morning I found 40 dead rats, and the rest left the farm for parts unknown. I have cleared many farms of the pests in the same way, and have never known it to fail."

CHANGE IN FOOD

Works Wonders in Health,

It is worth knowing that a change in food can cure dyspepsia. "I deem it my duty to let you know how Grape-Nuts food has cured me of indigestion. "I had been troubled with it for

years, until last year my doctor recommended Grape-Nuts food to be used every morning. I followed instructions and now I am entirely well.

"The whole family like Grape-Nuts, we use four packages a week. You are welcome to use this testimonial as you see fit."

The reason this lady was helped by the use of Grape-Nuts food, is that it is predigested by natural processes and therefore does not tax the stomach as the food she had been using; it also contains the elements required for building up the nervous system. If that part of the human body is in perfect working order, there can be no dyspepsia, for nervous energy represents the steam that drives the engine.

When the nervous system is run down, the machinery of the body works badly. Grape-Nuts food can be used by small children as well as adults. It is perfectly cooked and ready for instant use.

Read "The Road to Wellville," in pkgs. "There's a Reason."

Ever read the above letter? A new one appears from time to time. They are genuine, true, and full of human

HYDROCYANIC-ACID GAS FOR FUMIGATING PLANTS

An Insecticide Which Has Proved Itself of Great Value-By Albert F. Woods, Asst. Chief Bureau of Plant Industry.

than they were by a long exposure to | tion a relatively small amount. On the

Hydrocyanic-acid gas, since its in- | angle E C D and the cubic feet in this troduction by the bureau of entomol- part of the house are determined in ogy in 1886 as a remedy against scale | the same way; or, in this case, since insects of the orange, has proved of the triangles are equal, the desired regreat value as an insecticide. Pre- sult is obtained by multiplying the vious to our experiments early in 1895, number of cubic feet in the triangle though it had been occasionally tried A C E by 2; 1,050 multiplied by 2 in greenhouses, hydrocyanic acid was equals 2,100 cubic feet. The contents not recommended, on account of its of this house is therefore 145.83 plus injurious effects upon plants. As a 2,400 plus 2,100, equals 4,645.83 cubic result of a series of careful experi- feet; this result multiplied by the rements we found that as a rule plants | quired dose per cubic foot of space were less injured by a short exposure | will give the amount of cyanide of to a relatively large amount of gas potassium necessary for one fumiga-

Fig. 2 shows at the right a cross other hand, a strong dose for a short section of a three-quarter span house time was the most effective in killing | 100 feet long, 18 feet wide, front wall insects. Different species and varie 4 feet 4 inches, back wall 6 feet 4 ties of plants, however, were found to inches, and 11 feet 10 inches to the vary remarkably in their power of ridge. The cubic contents of this withstanding the poison. This in bouse is determined in the came manmany cases appeared to depend upon | ner, except that the two triangles be

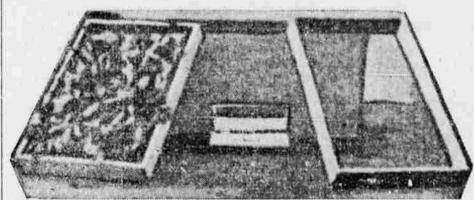


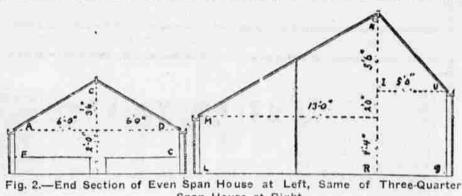
Fig. 1.-Fumigating Box, Showing Trays and Coleus Cuttings.

the open or closed condition of the ing unequal, each one will have to be breathing pores as well as upon peculi- calculated separately. arities of the cell contents. Fumigasion an hour or two after sundown, with the temperature as low as pracof exposure must be determined by experiment. It is impossible at present to give a general rule applicable to all plants in all stages of development.

It is necessary in every case to determine with great care the cubic in which the fumigation is to be made. To illustrate: Fig. 2 shows cross secstructures now in general use. At the left is an even span house 100 feet long, 12 feet wide, 2 feet on the pose of experimenting and where only sides, and 5 feet 6 inches from the a few hundred plants are to be treatsurface of the beds to the ridge, with ed, a tight box may be made of 30 to deep. To determine accurately the be as nearly air-tight as possible, with number of cubic feet in this or a house a removable cover and a small door of similar construction: First, make at the bottom for introducing the

After the number of cubic feet in the space to be fumigated is determined, the amount of cyanide reticable, was found to give the best quired is found by multiplying the results. In all cases the foliage must cubic contents by the dose per cubic be perfectly dry or it may be injured foot. For example, if single violets by the gas. In each case the proper are to befumigated the dose would amount of gas to use and the length be one-tenth of a gram per cubic foot. A dose, therefore, for the even-span house, containing 4,646 cubic feet, would be 4,646 multiplied by .1 equals 464.6 grams. To reduce this to ounces, divide the number of grams by 28.35 (the number of grams in an ounce avoirdupois). 464.6 divided by contents of the house, frame, or box 28.35 equals 16.38 ounces avoirdupois. It may be necessary to reduce the fraction of ounces to grains; 437.5 tions of two styles of greenhouse (the number of grains in an ounce) multiplied by .38 equals 166 grains.

Fumigating Boxes.-For the pura walk 14 inches wide and 15 inches 50 cubic feet capacity. The box should a rough drawing showing a cross sec- cyanide of potassium into the bowl



Span House at Right. tion of the house; second, divide the | containing water and sulphuric acid,

space into triangles and rectangles by as shown in Fig. 1. at right angles to this; mark on each inches. Compute the number of cubic feet in each of the rectangles and triangles in accordance with the following method. In the even suan house feet of space in the walk is found by multiplying the width by the depth by the length, thus: Multiply 1 foot 2 inches by 1 foot 3 inches by 100 feet; reducing to inches we have 14 inches potassium to use,

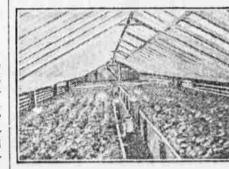


Fig. 3 .- Violet House Prepared for

Fumigation. multiplied by 15 inches by 1,200 inches cubic inches contained in a cubic fore entering the house. foot, we have 145.83 cubic feet. The 9. Next morning, bury contents of rectangle A D G F is computed in the the jars. same way, except that in this case it is not necessary to reduce the feet dry. to inches. It would be 12 feet multi- Caution .- It should be remembered given for calculating the area of a insects. right-angle triangle is to multiply the Greenhouses which are within 50 to base by the perpendicular and divide 75 feet of dwellings should not be the product by 2. The result multi- fumigated unless the windows and plied by the length of the house will doors of the latter on the side next to give the number of cubic feet the tri- the greenhouse can be closed during angular portion contains. For exthe operation, ample, taking the triangle A C E: 6 feet multiplied by 3 feet 6 inches, equals 21 feet, divided by 2 equals rasty iron thrown in the drinking ves-10.5 feet, multiplied by 100 feet equals sel, for your hers will make a splendid 1,050 cubic feet. The area of the tri-Itaale for the fowls

drawing a line connecting the two The wire trays shown in the same wall plates and one from the ridge illustration are used in fumigating cuttings of coleus or other plants. its respective length in feet and When desired the trays can be removed and not plants set in the box and given such fumigation as desired. To prevent injury to the plants they should be so set that the foliage does shown at the left the number of cubic | not come within 18 inches of the bowl near the small door.

Condensed Directions .- 1. Carefully determined the cubic contents of the house and the amount of cyanide of 2. Make the house as tight as pos-

sible.

3. Arrange so that the ventilators can be opened from the outside. 4. Place the jars and strings in po-

sition.

5. After dusk attach the bags containing the cyanide to strings, as described, and find if they work correctly.

6. Hang the bags to one side and out water and acid into the jars; arrange protection and put the bags in place again.

7. When all is ready lower the bags into the jars by loosening the strings from outside.

8. After the proper exposure open equals 252,000 cubic inches; dividing the ventilators from outside, leaving this result by 1,728, the number of them open from 30 to 45 minutes be-

10. The foliage must be perfectly

plied by 2 feet by 100 feet equals that hydrocyanic-acid gas is one of 2.400 cubic feet. This brings us to the deadliest poisons known, fatal to the triangles. The rule generally human beings and plants, as well as to

fron in Hens' Water. Old scraps of

BEST OF EXERCISE



ENCING, now become so popular with women, has proved itself to be beyoud all other exercises the thing to teach surefootedness, agility, suppleness, while the muscles gain strength, the brain keenness and the eye a marvelous quickness-an instantaneous focus. All of which is useful in daily life and extremely desirable, for nothing makes a woman or man more attractive than general alertness, mental or physical.

Many girls will say that it is too expensive a sport, that one must take lessons from a professional and that it takes time. Certainly that is all true, but one may fence in her room in an amateuriah way and get great benefit, until occasion arises when a teacher is procurable. The motions with the folis and the steps taken bring into play every muscle in the body, as does no other form of exercise. Riding uses the muscles above the waist and, for a woman, some of the muscles of the right leg, while rowing develops the arms, shoulders and back, practically leaving in relaxation the rest of the body, Making beds is said to use more muscles than any other form of exercise Fencing, however, will be found more attractive practice to some women.

If one would open wide the window of her room to admit plenty of fresh air, then, with a long flexible foil, try to touch the same spot in a target, she will receive all the benefit that the muscles could get even with an opponentand a good one.

It lends interest to exercise, it makes it something to look forward to, not dreaded. The position adopted naturally decreases the size of the waist and hips, while holding the foil with arm outstretched cannot fall to develop

both arm and wrist and develop all the muscles of the back.

In the attack one throws all the weight upon the right foot, balancing with the left arm, while in the defense one naturally reverses the weight, thus bringing into play other muscles. At the same time the head must be erect, the shoulders must be straight and the eyes must be quick at seeing opportunity and seizing the proper instant to press a momentary advantage. The wrist must turn in a flash, the waist must be supple, so that the body may bend easily and quickly. Where could greater development be acquired, where is there better exercise to be found?

IN COLORS TO MATCH FROCK.

Woman of Small Means.

Another is in pale pink and white

striped madras, with the ruffle em-

There are also plain chambrays, em-

broidered in white, and almost any

The wisest way for the woman with

time and limited means is to buy ma-

terials in fast colors and dainty de-

signs with embroideries, and get a

sheath skirt pattern, one having the

yoke instead of the band finish, at the

top, and have the skirts made in the

house. Of course, in this way one can

seldom get embroidery done on the

skirt material itself, but torchon laces

may be used, and much tucking done,

forget-me-nots, and having edgings

make delightfully dainty petticoats.

The little cord in the dimity gives

them body. Heavy white net may be

used not only for deep umbrella

flounce, set on the chambray or other

skirts, but may and should have nar-

row ruilles set on the umbrella, for

without them the latter has little body.

Each ruffle should be finished at its

Socks for the Baby.

who are not yet advanced to the

striped this season. Dainty white

socks with horizontal pin stripes of

pink, blue, red and brown will look

trim and lovely on plump little sun-

looking fresh and dainty.

Baby socks and those for children

skirts are most satisfactory.

the time.

the net.

SMART JACKET.



This style of jacket looks best made of the same material as the skirt with and for knockabout wear the elabwhich it is worn; our model is in plum-colored fine cloth, lined with silk the same color, and trimmed with silk braid: the small turn-over collar and 'ower part of cuffs are of velvet, the and insertions of German valenciennes buttons also are covered with velvet. The back of this pattern slopes down to the front in the center back.

Materials required: Two and threequarters yards, 48 inches wide, 544 yards silk for lining, three-eighths yard velvet.

The Lightest and Cheeriest Room. Greens are the greatest thieves of light. A dark green wall such as is lower edge with a narrow band of the now quite in vogue will absorb 85 per chambray or madras to give body to cent, of the light; a dark brown, perhaps, 70 per cent.; a light green, perhaps, 50 per cent.; an orange, 30 per cent.; the light blues, 25 per cent.; while the soft delicate tints will absorb only about 20 per cent. Pure stocking wearing stage are to be white absorbs only 15 per cent, of the light thrown upon it.-Success.

Tailored Blouses.

Blouses for wear with the spring burned childish legs. Both boys and tailored suit are fashioned along very girls will wear socks of this descripsimple lines. Their style depends ention, with low shoes of either white, tirely on correctness of cut and the tan or black. There are attractive smartness of the stock or cravat worn plaid socks also for play wear or for A great many of these blouses are wear with darker frocks. The white

made of the sheerest handkerchief striped socks need frequent changing, linen and batiste, and in many cases for even the neatest c'aldren require the only trimming that adorns them at least two pairs a day to keep them is the fire hand-run tucks.

as mercury will surely destroy the sense of smell and completely derange the whole system when entering it through the mucous surfaces. Buch articles should never be used except on prescriptions from reputable physicians, as the damage they will do it ten fold to the good you can possibly derive from them. Hall's Catarrh Cura, manufactured by F. J. Cheney & Co., Toledo, O., contains no marcury, and is taken internally, acting directly upon the blood and mucous surfaces of the system. In buying Hall's Catarrh Cure be sure you get the genuine. It is taken internally and made in Toledo, Ohio, by F. J. Cheney & Co. Testimonials free. 5.3d by Drugglats. Price, 75c. per bottle. Take Hall's Family Pills for constipation.

threak durin' throol hourth."

metic class, Ethel?"

You Would Not Accept Counterfelt

Money, Why Accept Counterfelt

Goods?

and confidence. Good goods are made

by manufacturers who are willing to

stake their reputations on the quality

of the material offered to you through

the medium of their advertisements in

this paper. Counterfeit goods are not

advertised. The reason for it is they

will not bear the close scrutiny to

which genuine advertised goods are

subjected. Counterfeit money pays

more profit to the counterfeiter. Coun-

terfeit goods are offered to you for the

Insist on the Genuine-Reject the

AN EXPLANATION.

"Why didn't you answer your teach-

"Coz mamma told me I muthn't

Beware of Ointments for Catarrh

that Contain Mercury,

er when she spoke to you in the arith-

same reason.

Counterfeit.

Good money is made by the Government in which you have implicit faith



That seems a very bad cold you've got, my little man!"

"It's a very good cold; it's kept me away from school for two weeks now!

BOY KEPT SCRATCHING.

Eczema Lasted 7 Years-Face Was Ali Raw-Skin Specialists Failed, But Cuticura Effected Cure.

"When my little boy was six weeks old an eruption broke out on his face. I took him to a doctor, but his face kept on getting worse until it got so bad that no one could look at him. His whole face was one crust and Dainty Cotton Underskirts for the must have been very painful. He scratched day and night until his face was raw. Then I took him to all the is an unusual abundance of embroidered petticoats in linens and best specialists in skin diseases but they could not do much for him. The cottons this spring. A well-made, eczema got on his arms and legs and we could not get a night's sleep in having its embroidery or chief color matching the costume with which it is months. I got a set of Cuticura Remedies and he felt relieved the first time worn, is in far better taste than a torn silk skirt, and is much daintier, as it I used them, I gave the Cuticura Remedies a good trial and gradually can be tubbed after every wearing or the eczema healed all up. He is now seven years old and I think the trouble will never return Mrs. John G. Some of these come in stripes, some Klumpp, 80 Niagara St., Newark, N. in plaids. For example, a charming J., Oct. 17 and 22, 1907."

Counting a Billion.

Speaking of counting the harrs of your head-suppose you undertook to count a billion, how long do you think It would take you to do it? A billion, according to the French notation, which we follow, is a thousand millions. If you had before you a pile of silver dollars containing a million, and could count one every second, for eight hours every day, it would take you 35 days to complete the task. But suppose you undertook to count a thousand of those million-dollar piles -you would be at work eight hours a day for 35,000 days, or about 100 years.

Very Likely.

"Again Mae Wood!" exclaimed the non-sensational reader of the newspa-

orately tucked skirt and tucked ruffle "Yes," replied his cynical friend; "I guess they wish Mae wouldn't." Dimitles figured in tiny rosebuds or

Examine carefully every bottle of CASTORIA a safe and sure remedy for infants and children, and see that it

Bears the Signature of Chart Hite In Use For Over 30 Years. The Kind You Have Always Bought.

Anybody can launch a national party, but to keep it afloat requires finesse.-Philadelphia Ledger.

Chocolate Pie! Chocolate Pie!

The more you eat the more you want if they are made from "OUR-PIE" Prepara-tion. Try it and tell your friends how easy it is to make delicious chocolate pies. Three varieties—Lemon, Chocolate, and Custard—at grocers, 10 cents a package. "Put up by D-Zerta Co., Rochester, N.Y."

The true test of greatness is the ability to wear the same size hat continuously .- Puck.

Lewis' Single Binder straight 5c cigar is good quality all the time. Your dealer or Lewis' Factory, Peoria, Ill.

A man never got off a joke so stale that he couldn't laugh at it himself .-Atchison Globe.

Those who await no gifts from chance have conquered fate.-Richter,