

Filling Insulin Vials.

## Books, Chemicals and Other

ples, shrines, monuments, and ing." tree-lined avenues. Here are restful parks and floral dis- success with fiction, fiction especially is associated in many minds with plays, quite as satisfying to the publishers. But its contribution many as were the hanging gar- in other lines, aside from its law dens by the Euphrates; and and educational publications, shows here is a war memorial as im- scores of titles on subjects from pressive as any temple raised

by Babylonians. No one great city, however, dom-

In 1820 a small spot was cleared | lated to the planets! Hence such old of forest here, and the capital later | planetary names for drugs as lunar moved from Corydon, in the south. | caustic and saturnine poison. One wagon, two weeks on the wil- Yet look into this plant and see derness trails, hauled all the young what incredible strides chemists state's papers, furniture, books, and have made since the dim, distant money. From the streams men age of alchemy, quackery, and seined fish in such quantities that philosophers' stones!

wagonloads were fed to hogs. road came through from the East, plant attached to it, where machines driving west toward the Missouri. roll 500,000 pills a day and grind West-bound "movers" multiplied. tons of strange things, from dande-Some days saw hundreds pass in lions to bovine stomachs and livcovered wagons, freighters, stage- ers, you meet a thinking brigade of coaches, often with women or girls | chemists, pharmacists, bacteridriving the teams while men and ologists, and medical investigators boys herded other animals after the

wagons. Crossroads for Highways.

Today Indianapolis stands, a typitranscontinental motorists.

High above the city rises Ameri- the Harvard Pernicious Anemia ca's largest neon aviation beacon, committee to put their drugs quickusually visible from 75 miles away.

About the city runs the first beltelevated tracks accommodates 40 trains at once. Every 24 hours, 82 mails—by air, rail, and truck— sules instead of vials. auditorium seats 10,000. What a change since Henry Ward Beecher and edited his farm paper!

you see some 500 trucks coming into and where needed. town from all directions, hauling hogs, cattle, calves, and sheep to the largest stockyards east of Chi- amples, from common disinfectants cago. Among world grain markets to diphtheria antitoxin. the one here ranks sixth, and as a

One shop can make 5,500 bicycle Ehrlich. chains for 40 foreign countries.

Doorbell ringers all over the nation sell silk hosiery made here, while another product is advertised that come to this horizontal and that she will do. No use kicking against the facts. Better to face them. by a singing barber who fills the air with saponaceous rhapsody.

Iran; trucks to haul pipes that car- shipped to drugstores, hospitals, ry oil from Mosul to the Mediter- armies, navies, and to doctors all fool any woman with their artful ranean; hams and bacon for the over the world, and you walk out | dodges. world's breakfast — they originate | with this thought:

Center for Literature.

It has bought and published many a | send it to places where people need manuscript which brought fame to it? a hitherto unknown writer. Not only Hoosiers, but writers from all over the Union have been launched by

dale Hobart. and you are astonished at the mil- namely, fat-soluble vitamin lions of books issued from this mid- water-soluble vitamin B, water-solwestern plant. Charles Major's uble vitamin C, fat-soluble vitamin "When Knighthood Was in Flower" D, fat-soluble vitamin E and watersold more copies than did "Uncle soluble vitamin G. Vitamin D is Tom's Cabin." This firm, putting on | especially abundant in cod-liver oil what James Whitcomb Riley called and in egg yolk. Lack of it causes "its literary overalls," published ev- | rickets. Its presence in the diet apery book the famous Hoosier poet pears to determine the normal deever wrote, and all without ever a position of calcium phosphate in the written contract! It introduced Har- | bones. There is some connection beold MacGrath to the world with tween the action of this vitamin and "The Puppet Crown," and Meredith | ultraviolet rays, because animals Nicholson with "The Main Chance" | that are developing rickets on diets

Because of its early conspicuous "Backward Children" to "The Chi

nese"-too many to list here. Great Chemical Laboratory. Carved on the stone front of inates Indiana; Chicago pulls at it great laboratory at Indianapolis are on the north, Cincinnati and Louis- the same chemical symbols used ville on the south. Yet Indianapolis, by ancient alchemists-who took its capital and nearly its geographic them from the Chaldean — who center, is the seat of Hoosier power. | thought the earth's metals were re-

In this temple of scientific re-Settlers increased; the national search and in the giant production representing the best scientific brains of many lands, from England to China.

How to turn new ideas, theories, cal, well-balanced midwestern city. and discoveries about medicine into intersected by four national high- practical use is the business of this he had a few faults so that he'd ways used by three-fourths of all vast industry. It worked with the Toronto Insulin committee and with ly into doctors' hands.

Here is not only pure research in many things, from toad poisons to line railway built in America, and Chinese herbs, but such mass-pro- for marriage, "The good steady woman, and she doesn't play an inthe seven-acre Union station with duction problems as packing mil- worker," can be just as unsuccess- strument. She holds the checkbook. lions of doses of ground liver in cap- ful as his shiftless brother if he So while you won't see her with

reach the city; and it averages a is an astonishing example of how and his preoccupation with his job spirit. She is Ethel Goodman, eldconvention a day—five days out of highly organized, efficient business will get on the nerves of the woman takes up where science leaves of the woman that she has been with the hand takes up where science leaves off. | who has no ambition for him, and | that she has been with the band preached here in his small church, vaccinate against smallpox, but it very little money than be a busi- straight, she has mothered the boys, takes huge capital and infinite skill ness widow. Get up early, any morning, and to make enough vaccine and supply

You can think of many such ex-

But for such mass production of cash mart it leads in the United drugs, chemicals, and medicines, we could not check or control in-Some 840 factories make many fectious disease and epidemics, dethings, from insulin and inner tubes, spite the great discoveries of Koch, any magic, Bobbie, which will make automobiles and canned food, to Pasteur, Lister, Sir Ronald Ross, your lukewarm suitor a helpless vicbirdcages and popcorn machines. Schaudinn, Von Wassermann, and tim of love. And unfortunately there

chains—chains that went with Ad- the findings of a Hopkins, a Mendel, tirely. miral Byrd to the Antarctic; chains or an Osborne as to vitamins, nufor the first Wright plane; for the trition, and the prevention of nutri- woman under circumstances of this dirigibles Macon and Shenandoah; tional disease, nor dare to hope in sort, since it has always been womfor battleship hoists and elevators; face of tetanus, diabetes, and ane-

that come to this busy place—and look at the endless barrels, boxes, jars, and bottles of mysterious mix-Armored cars for the shah of tures that issue from it, and are

What good is any discovery in medicine—no matter how great its If wastebaskets gave up their potential value—unless some indusdead, what a place a great publish- try exists like this one, able to make ing house in Indianapolis would be the new serum, vaccine, drug or to trace Indiana's literary career! tissue product in big lots, and then

The Vitamin Family

A vitamin is any of a group of this house. Long ago it started Mary | constituents of most foods in their Roberts Rinehart, whose first work, | natural state, of which very small "The Circular Staircase," other quantities are essential for the norhouses had ignored. Lately it pub- mal nutrition of animals, and poslished "Oil for the Lamps of China," sibly of plants. Six distinct vita-which brought fame to Alice Tis- mins are recognized by the effect produced on animals when their Look over its lists, old and new, diets are deficient in these vitamins. and "The House of a Thousand Can- largely deficient in this vitamin can be cured by exposing their food to Other titles are remindful of days irradiation with such rays. The gone by. Here Brand Whitlock | constituent activated by ultraviolet brought "The Thirteenth District"; rays appears to be ergosterol.

### \*\*\*\*\*\*\*\*\*\* STAR No Such Thing as Good

Husband for Any Girl; Must Be Suited.

TEAR MISS DENE: I should like to know what you consider is | \*\*\* By VIRGINIA VALE \*\*\* good husband for any girl. My daughter has a chance to marry a fine young man, and so far as her father and I can see, he is about as good a type for marriage as any she is likely to meet. But she says ly, I wonder that he stays around. want to help her but I need an outsider's opinion to help me first. —W. Va.

ANSWER-There is no such thing as a good husband for ANY girl. There are plenty of good husbands in the world but their efficiency is founded on the fact that they found that their wives' love and adoration help to make them good husbands.

But a man can be honorable and fine and a good provider and a ten-Prepared by National Geographic Society. | Emerson Hough his "Mississippi der loving companion—yet bore his Washington, D. C.—WNU Service. | Pubble": Appe Ketherine Creek ROM atop a high build- "The Filigree Ball"; George Ran- less and dissatisfied for the remaining you see glittering Indi- dolph Chester, "Young Walling- der of her life. It's not that he anapolis spread over the ford"; Zona Gale, "Romance Is- does anything wrong. It's just that prairie. Nebuchadnezzar, who land"; George Ade, "The Slim Prin- he can't possibly do anything right viewed Babylon from his flat-roofed palace, would enjoy the roofed palace, would enjoy the r picture here, with all its tem- Bacheller, "The Light in the Clear- ing an easy mark—and longs for the primitive caveman type.

A man may be thrillingly romantic, passionate and possessive enough to satisfy any maiden's dream but if he doesn't find the right woman, he will be a loss on the matrimonial market. For the wife who doesn't love him will yown in the face of his most dramatic outbursts and | role for her, that of will yearn for a quiet, placid existence a girl who just canwith a nice, calm life-partner. Mothers | not tell the truth. and fathers of course look over their possible son-in-law with a practical eye. If he's a good provider and an honest, steady worker, they are at least relieved of any worry about their daughter's future and it is quite natural that they should OK the courtship.

But they must not forget that Mary will manage to make herself desperately unhappy even in a ten- | a year. Edgar Guest's "It Can Be room house with a garage and a smart car and two new frocks a week—if the man she marries isn't are slated for a long and successful her idea of a good husband. True life. Paul Wing's Sunday morning she will not know the suffering and spelling bee over NBC has a list of despair of utter poverty but if she applications yards long from peohas an imagination and the will to use it in the wrong direction she prowess. will arrange to have a special sort of suffering which will cast a blight on her marriage.

Very often we see a young man pointed out as a splendid candidate so that she was under contract to for marriage because he neither these exemplary characters—letters | made films. Now Jean can rejoice | the coming months. which complain bitterly: doesn't seem to be human. I wish be more like other people. He never wants to go out and frowns at

the slightest suggestion of frivolity.

I feel that I am getting to be an

old woman, without ever having had any fun." chooses the wrong mate. For his | the boys in "Hollywood Hotel" you In plain English, here in Indiana | industry and his untiring energy | can just figure that she is there in Jenner learned long ago how to | who would rather live simply on | she has not only kept all accounts

> TEAR MISS DENE: I have been going with a boy for a year now and while he says he likes me, he has never shown any signs of love. I however have fallen very much in love and want to do anything I can to win him. You have helped

others—will you help me?—Bobbie. ANSWER-I'm afraid I can't work are no active steps you can take, tires every day. Another makes Nor could mankind benefit from without upsetting the romance en-

It is certainly tough to be a mere an's lot to wait patiently and meekly until some great brute has made | Marek Weber Look at all the live animals on | up his mind that she will do. No

However, woman is a more complex creature than man and for that reason the tricks she plays on him are apt to work. Whereas few men are quick and clever enough to

Therefore, Bobbie, you might give your hero something to think about by inventing another beau. Stop being the steady, steady girl friend and begin to show signs of being elusive. Don't be so almighty easy to date. Talk vaguely about other plans. Keep a memo book around is which to jot down dates—instead of being eagerly ready to say "yes," whenever

your true love suggests an evening. It's just possible that this year's friendship has been too easy and matter-of-fact to strike a romantic note with the man in the case. Throw a little glamor around yourself and build up a few illusions to convince the boy friend that his dear old pal is after all an extremely attractive and rather mysterious feminine being.

A very little judicious feminine deception can work wonders with the tempo of a man's heart-beat. © Bell Syndicate.—WNU Service.

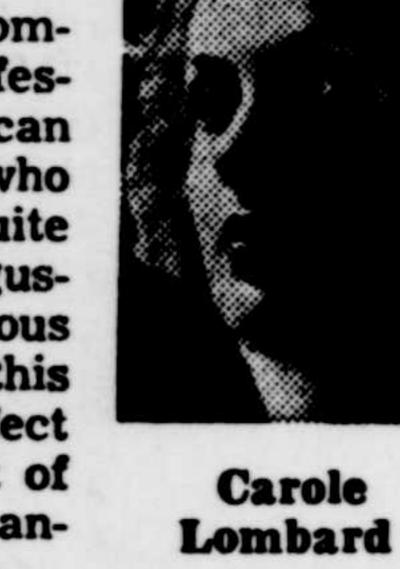
Indian Pottery Most Indians made pottery by simply mixing clay and water, re- cats, rabbits, mice and poultry. ity, and normal growth. moving stones and sticks, etc., shap- Many individuals are so sensitive ing by hand and leaving it in the | to chicken or duck feathers that sun to dry. But they couldn't cook they suffer from asthma when in it; it broke when heated. South- sleeping on a feather pillow. western Indians used colored clay and earth to make good luck symbols on their pottery. These symbols, pictures of clouds, rocks and desert animals, were supposed to bring rain and good crops. The greatest American Indian potterymakers were Pueblos.

Movie · Radio

NSPIRED by the swarm of locusts in "The Good Earth" and the terrific storm in Goldwyn's "Hurricane," several that he would not make her a good | motion-picture producers have husband, and she treats him so bad- set out to capture honors for staging spectacles that make your hair stand on end.

Advance reports indicate that Twentieth Century-Fox have topped | home. all in the matter of spectacular destruction. This company in filming | ter and a bathroom would add to "In Old Chicago," staged a fire the comfort of many farm homes, that destroyed a sixty-acre city. In and the effort and expense could be the midst of stampeding cattle and justified by the added protection afthe women best suited to them and terror-stricken crowds, gas mains forded the health of the farm famburst and shoot pillars of flame high | ily. into the air, oil gushes from tanks and sets the river ablaze, iron gir-

> catches up with our screens, w should give thanks to Carole Lombard edy, "True Confession." No one can girl who bright with the gusto of the beauteous Lombard and in this she has the perfect



Carole

Radio programs that introduce you to your neighbors, both famous and obscure, and act as community get-togethers are getting more popular every day. Charles Martin's "Front Page News" and "Thrill of the Week" have been renewed for Done," Bob Ripley's program and Gabriel Heatter's "We, the People" ple who are eager to test their

Jean Muir was a very unhappy girl when she left Hollywood a few weeks ago. For the three years or Warner Brothers she had been "He that Hollywood let her go. She

The most important member of And that other perfect candidate | Benny Goodman's swing band is a taking care of them when they were ill, bullying them when they wouldn't eat their spinach or get enough sleep, sympathizing with them when they were unhappy.

> Marek Weber, distinguished Viennese orchestra leader beginning his direction of the Car-"Contented Hour" this month,



succeeds Dr. Frank Black, whose duties as general musical forced him to relinas conductor, "The Contented Hour" enters upon its seventh consecutive

year on the air. In har, composer of "The Merry Widow," said of him, "I cannot wish a better interpreter of my works than Marek Weber."

ODDS AND ENDS-Jack Benny won't start working on his next picture for a few weeks, so Paramount has assigned his old dressing room to Marlene Dietrich. Jack and his radio script writers are no end upset because that is where they do their best work . . . Myrna Loy encourages the freckles on her face by going about in the sun hatless. The freckles serve as a fine disguise when she appears in public . . . Edward G. Robinson's new picture "The Last Gangster" is the best gangster film of all ... Glenn Morris who than slightly acid should be given stars in "Tarzan's Revenge" says exactly | two tons of finely-ground limestone four words in the whole picture. Tony, the back-stage bootblack at the C. B. S. playhouse in New York, has his own way of honoring Kate Smith. He keeps a special rag in his left hip pocket with which he shines her shoes just before she goes to the mike . . . Bing Cros. | may result in considerable damage by and George Murphy entertained the to the pasture itself. shoppers in a Hollywood store no end when George decided to play floorwalker and Bing decided to sell handkerchiefs. When customers balked, Bing threw in a

@ Western Newspaper Union.

Allergic to Animals Some people are sensitive to

High Blood Pressure Hypertension-high blood pressure-overworks the heart, imposes upon it an extra load, produces breakdown of the arteries, and an ultimate collapse of the heart.

# PARM

RUNNING WATER IN HOME FROM LAYERS

Well Managed Flock Would Pay for Equipment.

By H. H. Alp, Poultry Extension Specialist, University of Illinois.—WNU Service. A flock of 200 hens, properly managed and cared for, would in one year's time just about pay for the complete installation of a sink, running water and bathroom in a farm

Installation of a sink, running wa-

Poultry records show that the approximate profit from a 200-hen flock amounts to \$256. This amount represents about two-thirds of the total cost of a simple pressure water system installation, with the necessary fixtures for kitchen and bath-

A persistent determination to use poultry as a means to meet such an objective often has more to do with the success of a poultry enterprise than the flock owner's love for poultry.

Acquiring a flock of birds with the is important, however, that the slipcovers and dressing tables; inherent ability to lay well during | top of draperies be stiffened when | restoring and upholstering chairs, the winter months has a favorable | a French heading is used. A soft | couches; making curtains for eveffect on poultry cash income and canvas which may be purchased ery type of room and purpose. the realization of the flock owner's in drapery departments is gen- Making lampshades, rugs, otto-

start laying early, especially if they the top of the curtain material enclosing 25 cents, to Mrs. Spears, are of good type, size and of apparent good health. A hen so marked might eventually | curtain and plan the plaits to take disappoint the flock owner, but if

she is still laying when he selects

breeders, the band will be helpful

Urges Growers to Buy

in making selections.

Good Vegetable Seed High quality vegetable seed is always the most economical, for profits from any crop are directly proportionate to the yields, C. H. Nissley, extension professor of vegetable gardening at the New Jersey College of Agriculture, Rutgers university, reminds farmers.

The purchase and use of good seed are among the first essentials of obtaining high yields, Mr. Nissley they appear as shown here at D. smokes nor drinks nor fools around pleading for a good role in one of says, in urging vegetable growers Now turn to the wrong side and with women. Yet letters come to their big pictures, but they relegat- to spend plenty of time and thought sew a ring to the back of each me from girls who have married ed her to dull parts in quickly- on the selection of their seed during

Some concerns specialize in seed opened in a play in London and for certain kinds of vegetables and two talent scouts cabled Hollywood offer better stock seed than is oththat she was the big find of the erwise available, he reports. While year. She will probably come back | some vegetable seed, such as letwith a contract calling for a much tuce, is produced by a few large bigger salary, much better parts. | companies in California and sold by many seed houses, certified seed from such locally grown vegetable crops as tomatoes, egg plants and peppers is available. In many instances, the seed is produced and saved by local growers so that the quality is known and the strain adapted to local soil and climatic

If possible, order a quantity of seed a year in advance and plant a row or two of it as a test to make sure that it is true to name and

Approved Fattening Mash Following are the ingredients of a good fattening ration, supplied by a poultryman in the Montreal Herald: Five hundred pounds fine ground wheat, 600 pounds fine ground oats, 580 pounds fine ground barley, 200 pounds meatmeal 60 per cent, 100 pounds powdered milk, 20 pounds fine iodized salt (.05 per cent). The analysis of this mash shows the following properties: Total crude protein, 17.0 per cent; min. fat 4.0 per cent; max. fibre, 5.75 per cent; digestible protein, 14.0 per cent; digestible nutrients, 74.5 per cent. Serve in wet mash (3 pounds water for 2 pounds meal) three meals, of about 15 minutes, daily. Birds should fast 24 hours before commencing with this mash.

Down on the Farm Wool is bought while still on the sheep in Argentina.

A dairy cow uses about 41,000 jaw movements a day in chewing.

At a sale of prize cattle in Buenos Aires, Argentina, 55 head brought Feather picking of turkeys, as

with chickens, develops when birds

are not kept busy. The average soil which is more

an acre. Turning Ohio live stock on pasture during the winter months does not provide much feed for them and

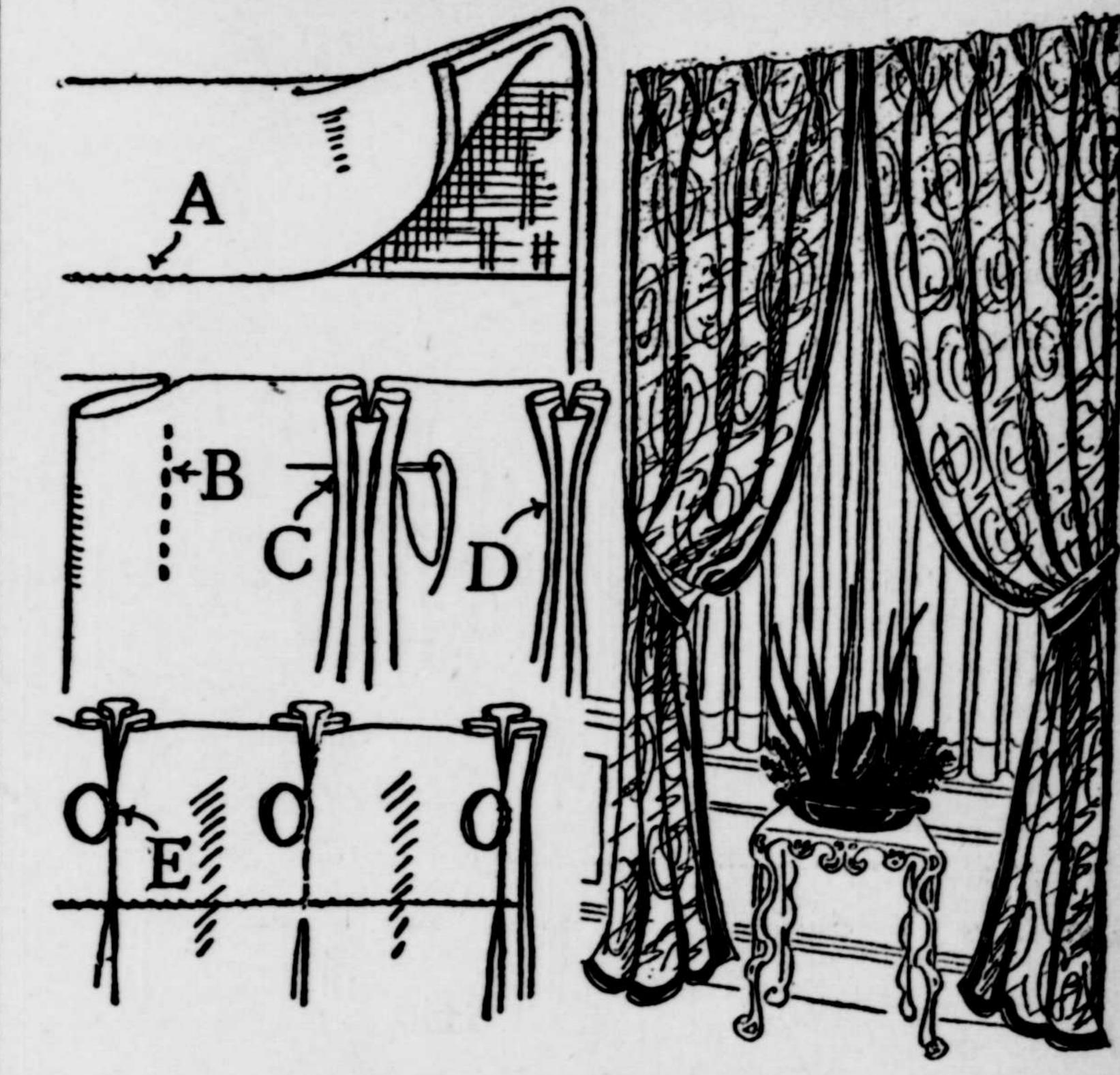
One foot of hopper space for every five hens in the laying house will tend to decrease fighting and to increase egg production.

Alfalfa hay provides vitamins A and G. Both are essential to good horses, cattle, sheep, hogs, dogs, health of the layers, high hatchabil-

> Some poultrymen feed their laying birds all the scratch feed that they will eat at night and about half that amount in the morning.

Some 400,000 persons throughout the United States co-operate with the United States Department of Agriculture in supplying reports on various farm crops.

# Ruth Wyeth Spears 3



A French Heading for Your Draperies.

TX/HETHER you line your new | a copy of Mrs. Spears' new book,

over it and sew as at A. Now measure the width of your Illinois. up half this width. In heavy material, four or five inches will be enough. It is a good plan to let the space between the plaits be the same as the amount of material the plaits take up. The first plait may come just inside the finish of the outside edge of the every known scientific method of drapery or it may be placed two

or three inches in. Start to sew the plait about an inch down from the top of the drapery and sew it the depth of the stiffening, as shown here at B. Pinch this plait into three small plaits and, starting two inches down from the top, sew through as at C. Sew these plaits the depth of the stiffening, so that

Our Presidents

7 ACHARY TAYLOR never stayed in one place long enough to qualify as a voter. During the panic of 1837 Martin Van Buren could not always get his salary.

Woodrow Wilson and his wife slept in Buckingham palace. Theodore Roosevelt, in commenting on living in the White House, said: "You don't live there. You're only 'Exhibit A' to the country."

Andrew Jackson was the first territorial governor of Florida. | orders which women must endure. type, Mr. Nissley advises growers.

Warren G. Harding went directly from the United States

Make a note NOW to get a bottle of druggist—more than a million women have rectly from the United States senate to the White House.

draperies or not will depend SEWING. Forty-eight pages of on how heavy the material is. It step-by-step directions for making erally used for this purpose. From | mans and other useful articles for In acquiring such a flock it is four to six inches is a good depth the home. Readers wishing a copy helpful to mark those birds that to cut the heading canvas. Turn should send name and address, 210 South Desplaines St., Chicago,

### Protected Gold

The main part of the gold depository built at Fort Knox, Ky., is below the level of the ground and the vaults are guarded by protection, including a torch-proof wall and a photoelectric eye which

detects any intruder. Four gun turrets of steel and stone flank the structure which is set within a steel fenced inclosure. Armed guards are on duty at all times. The depository is manned with machine guns and other modern methods of defense.

Train vs. Auto

The Canadian National rail-Every Homemaker should have ways, in the contention that its trains have the right of way, sues every financially responsible owner of a motor vehicle that strikes or is struck by its rolling stock. Moreover, it wins most of its cases .- Collier's Weekly.

Men can never understand a three-quarter wife—a wife who is lovable for three weeks of No matter how your back aches—no matter how loudly your nerves scream—don't take it out on your husband. For three generations one woman has told another how to go "smiling through" with Lydia E. Pinkham's Vegetable Compound.

## Written in letters reporting benefit. Why not try LYDIA E. PINKHAM'S VEGETABLE COMPOUND? Calotabs Help Nature

To Throw Off a Cold Millions have found in Calotabs | toxins. Second, Calotabs are a most valuable aid in the treat- diuretic to the kidneys, promoting

two tablets the first night and re- from the blood. Thus Calotabs peat the third or fourth night if serve the double purpose of a How do Calotabs help nature which are needed in the treatment throw off a cold? First, Calotabs of colds.

ment of colds. They take one or the elimination of cold poisons purgative and diuretic, both of are one of the most thorough and Calotabs are quite economical;

Importance of Duty There is nothing on earth so

tance.-Martin Tupper.

Opportunity Created Things don't turn up in this lowly, but duty giveth it impor- world until somebody turns them up.—Garfield.

tract of the virus-laden mucus and | trial package.-(adv.)



LIFE'S LIKE THAT By Fred Neher

dependable of all intestinal elimi- only twenty-five cents for the

nants, thus cleansing the intestinal family package, ten cents for the



"Haven't you got something softer, easier to digest? I lost a bet."