Largest circulation of any

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# COMBINATION TO FIX COTTON PRICES

FEDERAL TRADE COMMISSION TO INVESTIGATE COMPLAINT. FROM SOUTH.

BUYERS DIVIDE TERRITORY

North and South Carolina and Georgia Have Complained and Will Be Investigated.

Washington-Special agents of the Federal Trade Commission have begun an investigation of charges that cotton buyers in North and South arolina and Georgia have combined to keep down prices to producers. The complaints alleged that large purchasers of cotton in the states named have combined to divide territory in such a way as to allow the practically to fix the price to the grower. Commissioner W. J. Harris, who received the complaints, recommended a thorough investigation which was ordered | markets of the world will be profound-

by the commission. Members of the commission said that if the allegations of the complaints were substantiated, the com- which consists of: bination would constitute a restraint of trade, and the commission would brought through the commission since

Agents of both the economic and legal divisions of the commission will

has ordered an immediate investiga- young men to the different countries to letters had been received from several wounding of four others. Peace offition to determine whether there is a learn the language of the people, to such concerns, and at least one had cers said they had clues to other combination upon the part of cotton learn their wants, whims and pre-expressed willingness to grant its Mexicans connected with the roboers. buyers of South Carolina, North Caro- judices. If we are to win new trade, olina, and Georgia to hold down the we must do business as others desire the proposed organization. price of cotton. This investigation rather than to try and force upon Enlistments in the continental them. has been undertaken at the instance them our methods." attention complaints have come that only one rich neutral market in the years, but the men actually would be troops continued in pursuit of other such a combination does exist result- world will present itself, America. ting in his submission of the matter

a pound in two points not more than mercial rivals, will be irrestistible." 20 miles distant from each other.

"This difference in price, it is alleged in complaints which have the sole result of the workings of this combination. For instance, it is practically no live markets due to th

be confined to certain places, indicated in the complaint, to a greater within the state specified."

# LARGEST SUFFRAGE PARADE.

Thirty Thousand Ladies in Line or Fifth Avenue, New York.

New York.-Fifth avenue for four hours was given over to the largest woman's suffrage parade ever with nessed anywhere. It was the women's which have given women the right to

Washington Square to Central Park, Englishman was crushed to death. and although it began shortly after 3 o'clock, it was long after dark when the last marchers had finished.

Suffrage leaders estimated that 30,-000 women were in line. In addition. there were 5,000 men representing, the leaders said, only about half of the men who had signed pledges that they would participate.

# New Export Trade Plan.

Washington -- Plans for handling xport trade of the United States through a trust company, co-operating with the Federal government, in order were announced by Secretary Redretary Peters of the treasury departthe department of agriculture and a number of exporters trustees of the

Foreign Trade Convention. New York.-James A. Farrell, president of the United States Steel Corporation, and chairman of the National Foreign Trade Council, issued a call to business men to attend the third national foreign trade convention at New Orleans, January 27-29. He said that "commercial preparedness" will be the slogan of the convention, the main object of which is to discuss formulate plans by which American business men will be able to meet the keen competition that is sure to follow the war.

# Troops March to Eagle Pass.

Eagle Pass .- Five thousand Carranza troops arrived in Piedras Negras en route to reinforce the Carranza garrison at Augua Prieta, Sonora, which is facing an attack by General Villa. By arrangements with the United States government these troops will be permitted to cross the American border at Eagle Pass and proceed through United States territory to Douglas, Ariz., whence they will again enter Mexico. All arms, ammunition and supplies will be transported in bor cars sealed in Piedras Newros

# FAIRBANKS WARNS

FORMER VICE PRESIDENT SAYS COMMERCIAL INVASION MOST FEARED.

ESTABLISH AMPLE CREDIT

Even More Unprepared For Commercial Invasion Than a Military invasion He Says.

Louisville, Ky.-Warning that the United States should prepare for "a commercial invasion" as well as for a military invasion was voiced by Charles Warren Fairbanks, former Vice President, in an address delivered at a political meeting here.

"The present proseprity of certain industries based on war orders is inherently temporary," he said. "Within the period of the next administration, our own national life and the ly affected by the great conflict raging aboard. We must meet that with a constructive pro-American program

"First, the restoration of the protective tariff; second, adequate prebe authorized to proceed under the paredness for national defense; third, anti-trust law. That would mean in the restoration of the American flag stitution of the first suit of the kind to the oceans; fourth, organization to market our wares in the world mar-

> "We must not only have our own ships, we must establish ample bank-

difference amounting to one-half cent wielded by our impoverished com- ers of the country's young men.

## TO SERBIAN FRONT.

Will Go to Belgrade.

cited, many cities and towns have military attache of the American em- of an opportunity to spend two and leg. bassy here, has gone to the Serbian months in vigorous camp life with fact that divisions of territory for front in company with the military military training. buying purposes are made, one terri- attaches of the other neutral countries tory belonging to one buyer, another stationed in Berlin. The officers will make their beadquarters in Relevade "These alleged practices are said to from which city trips to the various fronts will be made.

Lieut, Col. Kuhn has just returned extent, possibly, than to other points from a two months' stay at the Western grand headquarters where he was presented to Emperor William last the American officer for 10 minutes the prohibition the recognized de he learned that Lieut. Col. Kuhn be- Carranza is Chief Executive. longed to the engineer division of the

American Army. Austrian Killed Englishman.

up by the European war and resulting those of General Villa, shall obtain appeal to place New York at the elec- in murder led to the arrest here of war munitions from this country. tion on November 2 among the states George Flaragrady, an Austrian, on In enforcing the embargo, the ed on unofficial returns shortly before Japanese had apparently been shot in tical way. Participated in by women from ed in a railroad machine shop. The justice. Orders will be telegraphed from 50,000 to 60,000. A majority of Eight American soldiers were woundevery state in the union and from police say that Frangrady, upon to customs officials along the border 23,671 was recorded on unofficial re- ed. learning that his brother had been and on both coasts of the United turns from 804 of the state's 1.891 diswomen from every phase of business killed by the Allies in Europe became States. Consular officers, agents of professional, educational, artistic and so enraged that he pushed Gray into the department of justice and United 80,347 against the amendment. official life, the parade extended from a powerful drill press where the States district attorneys on the bor-

Diaz Joins Zapata.

have been received in Juares is quot- Garrison just what the army is to do. by unofficial early returns from every ed as stating that Felix Diaz has iolned the Zapata forces and is now Villa agency here would be closed, at the head of 40,000 men with whom it became known that the consulates decisive. he is menacing Mexico City. Receipt established by the Villa faction in of the message was reported from two different sources.

Two Mexican Bandits Killed. Brownsville, Texas.-A detachment the train wreck.

Approves Defense Plan.

Washington. - Formal announce-

Italy Has Plenty of Cotton.

ed at aproximately \$50,000,000, con- an embargo on the export of steel, Franklin which for nearly 100 years has determined to press a shipping bill signed to Germany is in possession of according to a cable received here by has seen active service in the United a sa part of the legislative program the Italian government, according to The Iron Age. The message, dated J. W. Batchelor of the Liverpool Sal- London, read: "Unconfirmed rumors vage Association, who arrived here on that the British government may place Norfolk navy yard. The old ship was circles. Additional vessels flying the the steamship Balti: from Liverpool. an embargo on exports of steel for the recently placed out of commission American flag, the administration Captain Batchelor said that he but re- purpose of safeguarding the govern- and ordered sold. She was placed in holds, are uregntly needed to carry cently came from Italy where he was ment's requirements." At the offices dry dock but a naval board decided a American commerce needed to carengaged in looking after this cotton. of the United States Steel Corporation It would cost more than the ship was ry American commorce and as naval For sevearl months, he said, previous it was said nothing was known about worth to make repairs. She was tak- auxiliaries. Whether the shipping to Italy joining the Allies, all cotton the reported embargo. A similar en out of the dock and sank during bill will be the same as that advocatconsigned to Germany through Italy statement was made at Charles M. the night. Her hull is resting on the ed by the administration during the

## ANOTHER MYSTERY



# ENDORSE DEFENSE BILL ROBBERS FORFEIT LIVES

CITIZENS WHO HUNT FOR

MORE.

enty-Five Mexicans Who Shot

and Robbed Passengers.

Corporal McBee, Third United

Engineer H. H. Kendall, pinned

The injured were: Harry J. Wallis,

vealed the hiding place of Dr. E. S.

of the wreck. Four other Mexicans

More Than 50,000 Majority.

Princeton borough, voted against

and their action was a surprise

Washington .- President Wilson re-

Franklin Sinks After 100 Years.

bottom of the Elizabeth River.

against 150.

were hanged to trees

beneath engine

ETTERS COME FROM EMPLOY- TEN BANDITS ARE KILLED BY ERS WHO ARE WILLING TO ASSIST PLAN.

Although Men Would Be Required to Actually Serve One or Two Months in Each Year.

Washington.-Endorsements of the administration's plan to create a great | paid their lives for alleged complicity conduct the investigation. The trade ing facilities at strategic points in both continental army for defense are be- in the wrecking of a St. Louis, issued the following Hamisphere sto effect cerdits mare and ginning to reach Washington from Brownsville & Mexico passenger train more through our own agencies and large employing firms and corpora- on the outskirts of Brownsville, the "The Federal Trade Commission to extend credits. We must send tions. It was learned that approving killing of three Americans and the men leave on full pay for service in No secret was made that more would

army as contemplated in Secretary Several hundred civilians, county After the war, Mr. Fairbanks said, Garrison's program would be for six peace officers and United States required to serve but two months a members of the band. "To our shores will roll a tide of year for the first three years during After wrecking the train the outcommercial invasion which will be which time they would undergo in- laws, said to number about 75 men. "This information is to the effect paralyzing under a free trade or a tensive military training in field fired on the passengers and robbed that for years past in the three states traiff for revenue only," he said. camps. Officials realize that the suc- them of their money and valuables. in question and more particularly in "We are now even more unprepared cess of the scheme depends to a con- The passengers killed were: the two Carclinas there have been to resist commercial than military in- siderable extent upon co-operation varying prices for cotton, often this vasion. The weapon of cheapness, with the government by the employ- States Cavalry; shot.

One of the companies heard from wrote that it gladly would grant leave with pay to any of its men desiring Brownsville, shot in arm; R. Woodto enlist, not only for reasons of pa- hall, fireman, scalded and bruised reached the commission, seems to be American Military Attache at Berlin triotism but because it was regarded Claude J. Brishear, Troop A, Sixth had given her Holy Communion and Berlin.—Lieut. Col. Joseph E. Kuhn, permit the men to take advantage Troop D. Third Cavalry, shot in neck

# EMBARGO ON MUNITIONS.

No Shipment of Arms to Mexicans Except Carranza, Says Wilson. Washington.-President Wilson issued simultaneously a proclamation establishing an embargo on the shipments of arms and ammunition to Sunday. The Emperor chatted with Mexico and an order excepting from

and evinced particular interest when facto government of which General The proclamation makes it clear that the United States intends that no forces opposed to the recognized Denver, Col.—Race hatred stirred government in Mexico, particularly Suffrage Amendment Defeated By

der have been advised, and instruc-

probably be discontinued. Lend Mexico \$10,000,000. New Orleans.-New Orleans bankof the Sixth Cavalry fired on and kill- ers announced that as a result of the ed two supposed Mexican bandits who recognition of the Carranza governwere crossing the Rio Grande at the ment they closed contracts to lend ered. Lieut, T. R. Van Natta of Troop handle the entire Mexican sisal crop guilty in the United States District handling the raw product.

Paris .- Fifty-two persons are rement of army plans in the national ported to have been killed in an ex- turned to Washington from Princeton the American export trade, made durdefense program to be laid before plosion in a munitions factory in the after casting the first ballot ever giv- ing September, are shown in figures congress awaits word from President Fue de Tolbiac, while one hundred or en a chief executive of the United made public by the Bureau of Foreign Wilson that he has concluded his con- more were injured. Many of the vic- States in favor of woman suffrage, and Domestic Commerce. Exports for ference with congressional leaders on tims were women workers in the fac. The president's brief visit to his legal September, totalled \$297,766,705, an the subject. While the president has tory which was wrecked. President residence was marked by a more en- increase of \$141,714,417 over Septembuilding up an army of more than 1,- Illyy which were informed of the dis- ton students than ever before had balance of \$146,343,919 for the month stunted for any other reason. 200,000 in six years he has not yet aster visited the scene and gave direc. been given him in any of his numer- as against a trade balance of \$16,341, had an opportunity to discuss it with tions to the rescuing forces. The ous trips there since he entered the 722 for September, 1914. The favorall those members of the house and auto-truck was being loaded when White House. The young men gave able trade balance for the month was senste whose views he wishes to ob- workmen accidentally dropped one noisy evidences of their approval of only \$41,693,371 less than the entire grenade causing the explosion.

May Put Embargo on Steel. New York.—American cotton valu- New York.—Great Britain may place Schwab's office.

# PLEAU FOR LIFE OF MISS EDITH CAVELL

FINAL INTERCESSION FOR WOMEN.

### AIDED SOLDIERS TO ESCAPE

Wat Not Accused of Serious Charge. Germans Ignore Request From Whitlock For Councel.

London.—The full report of the sircumstances of the condemnation and execution of Miss Edith Cavell, an English woman and head of a training school is Brussels for helping English, French and Belgian soldiers to escape from Belgium, made by Brand Whitlock, the American Minister at Brussels, to Walter H. Page, the American Ambassador at London, was issued by the British government.

How the secretary of the American Legation, Hugh S. Gibson, sought the German governor, von Der Lancken, late at night before the execution and, with the Spanish Minister, pleaded with the governor and the German officers for the English woman's life is graphically related in a memorandum from Mr. Gibson. This document re-Passenger Train is Derailed by Sevfers to the German authorities' apparent lack of good faith in failing to keep their promises to inform the American Minister fully of the trial and sentence. Brownsville, Tex.—Ten Mexicans

Minister Whitlock telegraphed to Ambassador Page on the twelfth: "Miss Cavell sentenced yesterday and executed at 2 o'clock this morning, despite our best efforts contin-

ued until the last moment." Mr. Whitlock's final appeal was in the form of a note sent by a messenger late on the night of the eleventh to Governor von Der Lancken, te killed if civilians posses catch the translation of which reads as follows:

> to present my request myself, but I appeal to your generosity of heart to support it and save from death this unhappy woman. Have pity on her. "Yours truly. "BRAND WHITLOCK."

"My dear Baron: I am too slok

Mr. Whitlock also stated that Miss Cavell had nursed German soldiers. Mr. Deleval, Counselor of the American Legation, reported to Minister Whitlock:

"This morning Mr. Gahan, an English clergyman, told me that he had seen Miss Cavell in her cell yesterday night at 10 o'clock and that he a sa good business proposition to Cavalry, shot in the jaw; C. H. Lay, had found her admirably strong and

"I asked Mr. Gahan whether she Only meager reports of the killing had made any remarks about anyof the Mexicans were available. One thing concerning the legal side of her of the men was a passenger aboard case, and whether the confession the train and he is said to have rewhich she made before trial and in court was in his opinion perfectly McCain. When the physician refusfree and sincere. Mr. Gahan told me ed to leave the compartment in which she was perfectly well and knew he had taken refuge the bandits openwhat she had done; that, according ed fire through the door, mortally to the law, of course she was guilty wounding him. Sheriff Vann den!ed and admitted her guilt, but that she that the Mexican was killed, but it dewas happy to die for her country." veloped later that he was shot to death after the sheriff left the scene

# THREE AMERICANS KILLED.

Five Mexicans and One Japanese Also Killed on Border. WOMEN LOOSE IN NEW JERSEY.

Brownsville, Texas.-Three Ameri-Japanese were killed in a fight be- new breeds are no better in any way the shanks furnishes him one of the of mercury are two good ones. tween United States soldiers and Mex- than the old ones and as a general best indications he can have as to the Jersey City, N. J.—Indications bas- ican bandits at Ojo de Agua. The rule are not nearly so good in a prac- way in which these pullets have laid charge of killing George Gray, an treasury will have the co-operation of midnight were that woman suffrage the fight, but there is nothing to in-Englishman. Both men were employ- the departments of state, war and would be defeated in New Jersey by dicate that he belonged to the raiders.

The Rio Grande was used by separtricts, the vote being 56,676 for and ate sands of Mexican bandits to stop The defeat of woman suffrage in the bandits crossing into Mexico in New Jersey was conceded by Mrs. E. both instances. The first crossing was tions to co-operate probably will go to F. Feickert, president of the New in the retreat from the Ojo de Agua Major General Funston as soon as the Jersey State Woman Suffrage Asso. fight, six miles up the river, and the El Paso, Tex.-A message said to state department informs Secretary ciation. Her admiss n was borne out second about 30 miles up the river. Capt. Frank R. McCoy, of the With the announcement that the section of the state which indicated Third Cavalry, commanding the Misthat the majority against suffrage was sion Patrol District, reported his be-Mef that there were not more than President Wilson's own precinct. 30 Mexicans in the party which at-New York and other cities would the seventh election district of tacked Ojo de Agua

Moonshiners Are Sentenced.

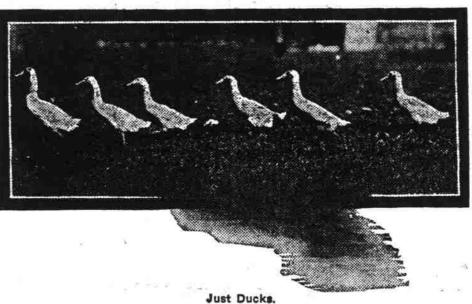
suffrage by a majority of more than 2 to 1, the figures being: For 64. Fort Smith, Ark.-John L. Casper of Kansas City, alleged head of the moonshine conspiracy, who pleaded Seven Plead Guilty "Moonshining." guilty in the United States District Fort Smith, Ark.—Seven men on Court, was sentenced to nine years San Pedro Ranch, 12 miles up the \$10,000,000 in gold to the Mexican ad- trail charged with conspiracy to de. and three days in the Leavenworth river from Brownsville. Both were ministration. It was also announced fraud the government in the manufac- penitentiary and ordered to pay a fine armed. The bodies were not recov- that arrangements had been made to ture of "moonshine" whiskey pleaded of \$33,000. Others were sentenced as follows: S. L. Williams. Winston-L, Sixth Cavalry, was in command of through New Orleans; that the sisal Court here. The case against Fred Salem, N. C., former government rev. dling on the farm where eggs are not ment. Assistant Secretary Vrooman of the detachment. Two Mexicans are operators of Yucatan and Campeche Bowles of Fort Smith, the eighth de- enue agent; Charles Brewbaker, Kanheld by the sheriff's department here were to erect a million-dollar manufac- fendant, was dismissed. The cases sas City, and George Hartman, Kanunder suspicion of being implicated in turing plant here for the purpose of against the defendants went to trial sas City, one year and one day in the penitentiary, fined \$1,000 each.

> New Export Records. Washington.-New high records in his stand on the suffrage question. fiscal year.

> Will Press Shipping Bill. Washington. - The administration Norfolk, Va.-The receiving ship of the coming session of Congress, ft States navy, sank at a dock at the was stated in well-informed official

> > last session but defeated.

# PROPER SELECTION OF FOOD FOR DUCKS



(By GEORGE E. HOWARD, United \$2.50 each to keep breeding ducks state Department of Agriculture.) The food of the duck is both vege-The three different methods of feed table and animal in nature. In the

ing ducks are as follows: (1) Feed. trouble. ing ducks for market (ten weeks old); (2) feeding young ducks to be kept as breeders; (3) feeding old ducks. venience and to explain more fully the vided into four parts, as follows: (1) From time of hatching to five

the food passing directly from the days old provide the following mixquence the food must be in a soft ture: Cracker or bread crumbs and mushy state. Too much hard food, such as grain, does not agree with hard-boiled eggs, 15 per cent of the these birds and they cannot thrive total bulk of crackers and meal; sand, on it. While some raisers use a 5 per cent of the total of crackers and small allowance of grain others do meal. Mix with water or milk, and not, and it as not been proved to feed four times a day. be of any advantage to feed it. Soft (2) From five to twenty days old, food is their natural diet, together with

the following mixture: Wheat bran, grasses, vegetables and animal food. The proper selection of the food is ex- two parts by measure; cornmeal, one tremely important to secure the rapid part; rolled roats, 50 per cent of this bulk; beef scraps, 5 per cent; sand, 5 growth of the duck, and the ingredients of the food must be such as will per cent; green food, 10 per cent. Mix afford a well-balanced and substan- with water to a dry crumbly state and tial ration. As a whole, it may be feed four times a day. said that the rations used by the (3) From twenty to forty-two days

largest duck raisers are essentially old, the following mixture: Wheat the same, differing only in the quan- bran, two parts by measure; cornmeal, tities used in the mixing. Investigation one part; beef scraps, 5 per cent of EFFECT OF COOLING ON MILK tions show the real value of the food this bulk; sand, 5 per cent; green to be the same for producing rapid food, 10 per cent. Mix with water to Illustration Given Herewith Shows growth and early development. The a dry crumbly state and feed four duckling grows twice as rapidly and times a day. is a much heavier eater than the chick. (4) From forty-two to seventy days and to produce the best results its old, the following mixture: Cornmeal,

It costs from 6 to 12 cents a pound feed four times a day. to raise a duck for market at ten | The hours for feeding are 6 a. m., weeks of age. It costs from \$1.75 to 10 a. m., and 6 p. m.

Legs at End of Their Pullet Year,"

Says Professor Barrows.

It is worth while knowing this when

culling the flock and deciding which

course, be on the strength and con-

yellow legs which are the poorest lay-

Age of Fowls Can Be Determined by

Punching Holes in Web When

Chick is Very Young.

the age of his hens. This can only

known as "web" marking. A small

Fattening Turkeys.

Never confine turkeys while fatten-

Keep Producers Only.

cream of the breeding flock and the

now and cull it down closely to the

producers. Fatten and market the

surplus stuff and cut down the feed

Temperature for Hatching.

A fertile egg will start to hatch if

The idea is to winter over only the

ers in the flock.

pullets to keep over to use as breed-

during their first year of life.

### RIGHT BREED FOR BEGINNER CULLING FLOCK IN THE FALL "200-Egg Hens Always Have White Well-Established, Long-Bred and Pop-

Greatest Success. Trap-nest records with many hun-New breeds of poultry are brought dred fowls at the Maine station make introduction of each the claims made it possible to say positively that no at 70 degrees. It is easy to see what

ular Varieties Are Best to Attain

wild state it gathers its food from

brooks and marshes, consisting of flag.

grasses, small fishes, water insects,

etc. When the birds are raised in con-

finement this diet must, in a measure,

be imitated to get the most satisfac-

tory results. The duck has no crop.

throat to the gizzard, and as a conse

out from time to time and with the for their virtues over long-established breeds is calculated to make any be- will have bright yellow legs at the ture makes. At 50 degrees the mulginner feel that he must have the end of the laying season. Prof. H. R. tiplication is five-fold, at 70 degrees new ones if he is to attain the great- Barrows says that "200-egg hens al. it is 750 fold. est success. new breeds are the ones that the be- ing matter in the legs and skin seems

They are yet in the making, in a so many eggs, and thus the skin and way, and require the skill of the ex- legs bleach out nearly white. pert breeder to develop into practical, true-to-type fowls. It is with the well-established, long-

bred and popular varieties that the ers the next year. If the poultryman standard coal tar disinfectants are can soldiers, five Mexicans and one beginner should generally start. The has no trap-nest records the color of Don't get the idea the poultry busi-

ERADICATE LICE AND MITES

ness is going to be revolutionized ev-

Whitewash Is Effective Against Vermin-Free Use of Lice Powder Is Always in Order.

The free use of an effective lice powder is always in order in the poultry house. A dust bath is very essential in rid-

ding the fowls of lice. In applying powder hold the fowl by the feet, head down, and work the powder well down into the feathers. The free use of kerosene on the roosts and in the cracks will exterminate mites.

Whitewash is very effective against vermin.

Loss by Faulty Methods. Forty-five million dollars a year is creases in size as the chick grows profit. It is the net result from a cow the loss due to faulty methods of han- larger. collected frequently and marketed reg- made and for this reason it is be- that net result is if we do not keep ularly, and because nests are not kept lieved that this system is superior to a record. clean and males are allowed to run marking with leg bands, for the reawith the hens in the warm months af- son that unnumbered leg bands can ter the breeding season. record but two readings.

November-Laying Pullets. Pullets hatched in May can be brought to laying by November, if ing. They will only mope around and they are properly fed and cared for fast rather than take on flesh if kept and crowded as fast as possible. It penned. Freedom seems to be necescannot be done however, if they are sary to their well being, and a certain half fed, tormented with lice, short of amount of exercise serves to increase approved the plan which calls for Poincare and Minister of the Interior thusiastic welcome from the Prince ber, 1914. They made a favorable trade fresh water or allowed to become their appetites and keep them growing. Even when finishing them it is best to allow them free range.

> will never build up a flock. The old saw: "The best is none too good," should be the slogan of the breeder winter layers. Look over your flock and fancier. Fix Up Winter Quarters. Fix up the poultry quarters now so bill. that the flock will be in clean, com-

Breeding From Culls.

Breeding from inferior specimens

fortable and sanitary conditions for the winter. Make the walls air-tight and afford good light and ventilation. kept at a temperature of 80 degrees. If kept at a temperature of 100 de-Cull Closely. grees blood will form in three or four Many farm poultrymen do not cull days. down their flocks nearly as closely as

they should. The chief reason for Growth Producer. this neglect is doubtless that on the A good quality of beef scrap is a general farn no account is kept of the growth producer for the developing chick. feed consumed by the poultry:

PROPER CARE OF THE UDDER

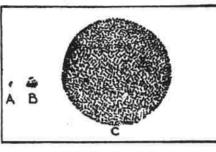
Cold Cement Floor, Bruising, Sudden Chills, Etc., Are Some of External Causes of Trouble.

Many good cows are lost to a use-'ul life on the dairy farm by the neglect of a little necessary care at a critical time. This is particularly true of heifers and extra heavy milkers. Sometimes it is true of mediocre cows that have been fed too stimulating foods for a time prior to freshening. writes I. B. Henderson in Farm, Stock and Home. Under normal conditions the udder of the cow should not require special attention, but the farther we get from natural conditions and the more we incline to forced production the greater the likelihood of

A cold cement floor, cold ground, etc., are some of the external causes The first method, for the sake of con- of udder trouble. The preventive remedies can be easily applied. But should composition of the rations, is subdi- the udder become congested or inflamed just before or after calving. immediate steps should be taken to effect a cure. Fomentations with hot water several times a day, a gentle massage with the fingers, and the apalleviate the trouble. The rubbing should be toward the milk veins so as to get the blood away from the udder if possible. A dram or two of saltpeter once or twice daily is also said to assist. In very severe cases, of course, the veterinary should be called, as it is poor economy to risk the life of usefulness of a good producer. For mild cases of udder trouble the average dairyman should be competent to treat and with a little observation it should be possible to develop a little skill in treating such troubles.

What a Difference 20 Degrees in Temperature Will Make.

The cut is a graphical representafood must be such as will be easily two parts by measure; wheat bran, tion of the effect of cooling on milk. assimilated. The various methods of one part; beef scraps, 10 per cent of A is a single bacterium; B shows feeding given in this article are rec- this bulk; coarse sand or grit, 5 per bacterial growth in 24 hours with milk ommended for raising ducks success- cent; green food, 10 per cent. Mix kept at 50 degrees. At C is the famwith water to a dry crumbly state and | lly of a single bacterium after 24 hours



Milk-Cooling Effect.

bird which has been a heavy layer a difference 20 degrees in tempera-

### ways have white legs at the end of The fact of the matter is that the their pullet year." The yellow color- TO DISINFECT COW STABLES

ginner should usually keep away from. to be used up in coloring the yolks for In Case of Contagious Abortion Any of the Standard Coal Tar Mixtures Will Be Found Good.

> For a disinfectant in cases of congood. Crude carbolic and bichloride

Contagious abortion of cows is a serious trouble and must be handled with extreme care if it is to be sup-His first selection should always, of pressed. The proper disinfection of the cow stables and the entire premises ery time some new breed is brought stitutional vigor, but after having that may become infected is very picked out the good, strong, healthy important. Under ordinary farm conbirds he should then choose from ditions the infected animals should be among those the ones which show the separated from the rest of the herd whitest legs. Poultrymen often make and kept where there is no chance for a mistake on this point, frequently the infection to spread. If it is found practicing just the opposite—that is, that they cannot be cured they should picking out carefully those which have be disposed of.

# MILK PRODUCER MUST KNOW

MARKING SYSTEM FOR HENS Many Dairymen Attempt to Make Business Without System-Records Ought to Be Kept.

(By WILBER J. FRASER.)
The chief obstacle to progressive A farmer should know to a certainty dairying is carrying it on in a slipshod manner without the application be determined by a marking system. of business principles. The milk pro-A good system of marking is what is ducer must stop guessing, and know for sure what the results will be of hole is punched in the web between the different operations conducted in the toes when the chick is very young. | different ways, and in each case adopt This hole never grows up and in the one that will return the most that tells whether she is making a Any number of markings can be profit or not. We cannot know what

> Getting Returns From Cow. If the cow eats just a little more than is required to keep her alive her yield will be small and the cost high while if she eats a large quantity above what is required to maintain her body, she will give returns from s larger proportion of her feed.

> Ideal Straw Shed. The old thick-walled straw shed for any kind of farm stock is about ideal, after all that is said to the contrary. The thick walls keep out cold and prevent drafts and still grant an ideal ventilation. You never find any frost ed inside walls in the straw shed.

Common Cause of Scours. A dirty feed pail is the commonest cause of scours in calves. A clean feed pail and a dose of castor oil is the best remedy.

Increase in Dairy Cows. The increase in the number of cown in the United States is by no means keeping pace with the increase in pop

Paint the Hayrack. It pays to paint the hayrack. Lum