WAR.

There's war in Europe, I've heard men

to pay,

There's passion's dance and murder's feast,

And the bridled war-horse frets.

And millions of men that bleed and plod;

And they've emperors for pets.

And they've captured cities, and ruined And they've killed their children and slaved their wives;

In Europe, they say, the war dog thrives, And God's own sunlight sets.

But suppose the warlord, drunk with blood. Mad and insane beyond all good. Starving for victory-and for food, And sick with power's blight.

Suppose he tries, in his passion's lust, To steal our homes, our hearts, our crust? Will we fight like men? We will-we must:

Though our dead lie still in the night; Though the warlord wins, with his wicked host:

Though God seems gone, and the world is Though the earth is numb in the killing

frost And the devil reigns in spite. But think you so the world will set?

Madness will meet its master yet; Insanity will pay its debt; God will uphold the right! CATHARINE WHARTON MORRIS.

LIFE STORY OF NEW HEAD OF DUAL EMPIRE.

Charles I of Austria, the new ruler of the dual Empire, was born on August 17, 1887, at the imperial chateau of Persenbeug, overlooking the Danube valley. His childhood training was entrusted to the Archduchess devoted from forty to sixty per cent. Marie Therese and the Archduchess of their editorial and news pages to Maria Josefa, assisted by an English the American situation. American governess. He is credited with havin learning to read and write and to quiring languages.

When he was 17 years of age the young prince joined the First Regilater transferred to the Seventh Regiment of Dragoons. His military ed-America on the seas. The experts today than was ever used before in the when he commenced the study of law at the University of Prague. He was at the University of Prague. He was showing as much as \$66 for counts state dematous affection of the seas. The experts today than was ever used before in the high prices which those popularly accepted: Washington, pneumonia (more correct accounts state dematous affection of the seas. The experts today than was ever used before in the high prices which those popularly accepted: Washington, pneumonia (more correct accounts state dematous affection of the seas. The experts today than was ever used before in the high prices which those popularly accepted: Washington, pneumonia (more correct accounts state dematous affection of the seas. The experts today than was ever used before in the high prices which those popularly accepted: Washington, pneumonia (more correct accounts state dematous affection of the seas. The experts today than was ever used before in the high prices which those popularly accepted: Washington, pneumonia (more correct accounts state dematous affection of the seas. The experts today than was ever used before in the high prices which those popularly accepted: Washington, pneumonia (more correct accounts state dematous affection of the study of law than was ever used before in the high prices which those popularly accepted: Washington, pneumonia (more correct accounts state dematous affection of the study of law than was ever used before in the high prices which the seas. The experts that the seas accepted is the seas accepted in the high prices which the seas accepted is the seas accepted in the seas acc turned to his regiment, being promoted to captain on November 1, 1910. Three weeks later he was married to Princess Zita of Parma, a member of the Italian Bourbons. He remained with the army, and in 1912 was pro- main American fleet will not serve reached the rank of lieutenant col-

The assassination of his uncle, Archduke Francis Ferdinand at Sarajevo on June 26, 1914, made him the heir to the throne, and on July 25 of the same year he was appointed colonel of the First Hussar Regiment.

The opening months of the European war were spent by the heir apparent at the headquarters of the Austrian commander-in-chief, Arch-duke Frederick. In January, 1915, he went to the headquarters of the German Emperor on a special mission, and in July of last year was promoted to major general and rear admiral. Subsequently he spent considerable time inspecting the troops on the various fronts by command of the Emperor Francis Joseph, and in March, 1916, was created field marshal and vice admiral, receiving at the same time the command of an army corps on the Italian front.

The Emperor took part personally in the great offensive against the Italians in May of the past year, and his services were rewarded by the German Emperor by the Iron Cross of the first class and the Order of Pour le Merite. In July of the past year he was transferred to the command of an army in East Galicia consisting of a composite force of Austro-Hungarians, Germans and Turks. Last October the new Emperor took charge of Austria's armies against Rumania.

Emperor Charles is reported to be a great favorite with the soldiers and to like to talk familiarly with the man in the trenches. He is tall and slender in build with a very round, ruddy face and a hearty laugh. He is credited with being a man of modern views and highly progressive tendencies, and it is believed that under his administration the Austro-Hungarian governmental system will undergo many changes.

PERSONALITY OF NEW EMPRESS OF

AUSTRIA. With the advent of the new Empress Zita, curiosity naturally will be aroused as to her personality and accomplishments. From her early days mit the co-eds to pass comfortably, she has been studious and is an ac- as the era of the hoopskirts was on complished musician and well versed in literature, history and philosophy. She also is fond of society and is a graceful dancer.

Empress Zita was born in the Villa Reale at Pianore, in the Italian Province of Lucea, May 9, 1892, the daughter of Duke Robert and Duchess Marie Antoinette of Parma. She is of Bourbon descent, but rapidly became Viennese, owing to the fact that life in the capital on the Danube interested her exceedingly. Her early training was in the hands of the Marquise Della Rosa. Later she entered pens.—Ex.

a convent at Zangbert, where she ad- Some Aspects of Munition Manuvanced rapidly in music, presiding now and then as organist in the convent chapel.

After her father's death the then Princess Zita in 1908 spent some time in the Rye Abbey, Isle of Wight, England, where her sister, Princess Adelaide, is a nun. Here among the French sisters who had been compelled to leave France owing to the And there's carnage, and havoc, and blood church reform law, she studied music, literature, Latin, history and

There's war to the west and war to the at Franzenbad, Bohemia, in 1909, Marie Annunziata, her cousin. Later, And they've lost their love for church and Princess Zita and Archduke Francis the Hofburg palace, and occasionally and the polar regions where civilization has only a fitful occupation can they would not part with the plan. They have succeeded so well with it And they've trenches and caves and cabins ess Marie Therese.
On the occasion of a court ball ear-

But they've somehow lost their hold on is reported to have declared his love Bartlett and Amundsen, in their for the Princess. Another version of plans to drift through the Artic this story, however, is that the Arch-

particularly graceful dancer, said: cost in normal peace times.

"Oh, I have liked her for a long time."

From the deep forcests On June 14, 1911, the engagement There's war in Europe, I've heard men expecting that ultimately they would felt. From the gas house and the tar duced \$75,000, while additional service There's war out there—but peace our way. The marriage took place in the castle at Schwarzenau. Cardinal, then Mon-

> and Archduchess was established at earth is ransacked for metals, rare which it was trying to supply the Kolomea, Galicia, where they had occasion to enjoy the splendid hospitality of the Polish nobility. Their first child was born November 20, 1912, and was named Francis Joseph Otto and was named Francis Joseph Otto. He is now heir apparent to the Australia of the sky itself, as it were, are forced to contribute to the great and greedy trian throne. The Emperor Francis
> Joseph was very fond of the boy.
>
> Tin is wide

> the Archduchess Adelaide, born January 3, 1914; Archduke Robert produce about one-half of the world's a year. Loan sharks have been driven Charles Louis, born February 8, 1915, and Archduke Felix Frederick August born May 31, 1916, the date on find other materials to substitute for municipal expense and turned into gust, born May 31, 1916, the date on find other materials to substitute for municipal expense and turned into

Turning Point in War, British Newspapers Think.

British newspapers think the turning point in the war has been reached. An indication as to how importhave developed a special ability in ac-fronts and discussion of Britain's exclusion of news from the various

own internal affairs. Naval experts' opinions were spread ment of Uhlans as lieutenant, and was Their discussions centered on the posover columns in the newspapers. sible aid that might be expected from America on the seas. The experts strength-and probably the same

pictures. Pictures, incidently, are printed in remarkable profusion.

The naval experts are practically any purpose which is not already adequately met by present forces of the allies. The greatest attention is centered on weapons which might be used to combat the submarine menace. Some opinions bewail the failure of America to provide fast cruisers; others take satisfaction in the large number of destroyers and gunboats

listed in the American register. The most interesting comment noted was the belief that something new will be produced from Thomas A. Edison's 'invention board,' appointed as a consulting committee by Secretary of the Navy Daniels. Some predictions were that a master weapon against the sumbarine would be revealed once the United States entered

the war. Without exception the most favorable attention was given to critics to the mobilization of volunteer motorcraft, whose recent maneuvers in mock warfare against submarines were apparently keenly watched from this side of the water.

The Britains call these motorboats adversaries of the submarine "sea wasps"

They hold that the addition in large numbers of these submarine hunters to the allies' effective naval forces would be of the utmost value at the present juncture. The organization of this force, the London Express observes, proves the "American navy department has not been slow to learn the lessons of this war." All British newspapers united in

lauding the spirit of the American navy.
"Everything justifies the confidence
"Everything justifies the confidence in its which the United States reposes in its naval strength," declared the Times.

'Its officers and men are real sailors," declared the Standard. "The standard of discipline is different from ours-it is democratic, although efficient, nevertheless."-Ex.

-At Ann Arbor, Mich., workmen recently repaired the outside stairs of old University Hall. The building was constructed in the seventies, and complaint was made at that time that then. The stairway, though rebuilt, is as narrow as the original passageway.-Ex.

To Be Abolished.

or before March 15. Director Krusen served notice on all pig owners a few days ago, that war. If there ever was a time when they must dispose of their animals

facture.

The National Geographic Society geography of munitions with reference to the war in Europe. In this bulletin the society shows how almost fabricate the thunderbolts of Mars.

ocean, find that it is costing them just plan was adopted shows that in three duke, having his attention drawn to a about twice as much to outfit as it

ere comes much of the rubber that of the Princess and the Archduke was announced, and on October 21 of the of the world there come the cheap same year they were married, neither furs which are used in the making of ascend the Austro-Hungarian throne. pot come those wonderful substances to the people valued at \$90,000 has at Schwarzenau. Cardinal, then Monsignor, Bisleti, Major Domo of the vertex of such extensive fashion. From Chile demonstrated to the people of Vatican, officiated, assisted by an uncle of Archduke Charles Francis.

An interesting feature of the event An interesting feature of the event locomotives and hundreds of thouswas the bringing of wedding presents by an aviator. The young couple spent their honeymoon in the castle of the event was the bringing of wedding presents by an aviator. The young couple spent their honeymoon in the castle of thousands of thousands of thousands of thousands of \$6,000,000, of which much went for such running expenses as street response to the provider of the event was the bringing of wedding presents and nundreds of thousands old administration had run up a debt of \$6,000,000, of which much went for such provider of the event was the bringing of wedding presents and so for the event was the bringing of wedding presents and so for the event was the bringing of wedding presents and so for the event was the bringing of wedding presents and so for the event was the bringing of wedding presents and so for the event was the bringing of wedding presents and so for the event was the bringing of wedding presents and so for the event was the bringing of wedding presents and so for the event was the bringing of wedding presents and so for the event was the bringing of wedding presents and so for the event was the bringing of wedding presents and so for the event was the bringing of wedding presents and so for the event was the bringing of wedding presents and so for the event was the bringing of wedding presents and so for the event was the bringing of wedding presents and the event was the bringing of wedding presents and the event was the bringing of wedding presents and the event was the bringing of wedding presents and the event was the bringing of wedding presents and the event was the bringing of wedding presents and the event was the bringing of wedding presents and the event was the bringing of wedding presents and the event was the bringing of wedding presents and the event was the event was the event was the bringing of wedding presents and the event was the are constantly moving in endless pro- pairing. There was a water system The first household of the Archduke cession toward the battle front. The designed for a town of 30,000 with

oseph was very fond of the boy.

The other children of the couple are ture of anti-friction metals, solders use of solder containing more than 30 have been recovered from scrap. The short ballot and numerous other imrestricted to cases where lapping, great success. riveting and electro-welding are im practicable. The Allied countries produce all but 12 per cent of the nickel in the world. Most of this comes from Canada. Nickel is an almost indiis chromium, an essential constituent of the chromium ore. Russia pro-

> the same quantity. Every manganese materials. Brazil alone has contracted to supply 200,000 tons of manits old rails for more than they cost when they were put down new. When Italy entered the war she combed the whole United States for old locomotives and car axles. Practically every old fuel dump in all of the coal districts is now being profitably worked rison, because of the high prices prevailing.

Practically every shop in the United States that has a lathe has found one way or another to participate in the munition trade. There are even cabinet factories which have gone into making one or another kind of munitions. In Canada a maunfacturer of undertaker's supplies joined the ranks of the munition makers, furnishing drop metal for the manufacture of shrap-

It is surprising how far-reaching the effect of the war has been on those countries which have not had facilities for counteracting some of its influences. It is said that if it had not life: "We have had pretty good times been for the corborundum industry in here too. One day we buggied out to stopped the supply of abrasive ma- lot where we baseballed all afternoon. terials from Turkey and Asia Minor, In the evening we sneaked up into the a thousand industries would have had attic and pokered until morning." to slow up. It is estimated that only one-fifth as many automobiles could have been turned out in this country during the war, if we had not been said: "I was having some fun about the conversation at this point and said: "I was having some fun about the conversation at the conversat independent of the ordinary supply of that time myself. I muled out to the natural abrasives. Likewise, it is cornfield and geehawed until sundown. said that a cessation of the supply of Then I suppered uptil dark and piped ferro-silicon would shut down every until nine o'clock, after which I bedsteel mill in America.

world were being equipped, there was an unprecedented demand for tung-This material practically multiplies three times the speed of every tool machine in which it is used Alloys of ferro-tungsten cut shavings one and a half inch wide, one-half inch thick and forty to fifty feet in a minute. England is said to have prosteel which is called reactol. It contains neither tungsten nor cobalt, requires neither forging, hardening nor tempering, but merely has to be it ready for work of the heaviest kind. With ordinary high speed tools at a rough a shell, but reactol roughed 14

similar shells in nine minutes. Wherever one turns, he finds such instances as these of the new invenbeing employed, and they will probably mean a very great deal to civilization in the years that follow the necessity was the mother of invention it is in the stress in Europe today. Dayton Insistent on its Reform.

In spite of predictions that Dayton's plan of city government, known has issued a bulletin dealing with the as the commission-manager plan, would soon go the way of all systems not supported by a determination to every nook and canny of the world has been called upon for materials out almost three years of the new plan, often never go at all.—Lord Avebury. of which the mations at war may to show the result of good management, says the Indianapolis News. And they've bombs and pistols and guns philosophy.

Princess Zita made the acquainthe charles Francis | rope has made upon the countries of that, naving set themselves that slay, philosophy.

Princess Zita made the acquainthe charles Francis | rope has made upon the countries of the reformation of what has been called the "one conspicuous has of materials used as in the quantities failure in American government," while the guest of the Archduchess required. One can scarcely travel far they are obliged to see the thing enough afield to get away from the through at any cost. But from the met at balls and other festivities at the Hofburg palace, and occasionally one get away from it. Even in going that some 40 other cities have adopt-On the occasion of a court ball ear-ly in 1911, Archduke Charles Francis demands of the war. For instance, cate that in the right hands the plan cate that in the right hands the plan is a success.

A report of conditions since the decreased from 124 a thousand—the immensely effective. From the deep forests of Brazil rate which prevails in the United ere comes much of the rubber that States at large—to 87.2; the death required. From the waste places thousand to 13; the tax rate from 14-4

adequate and placed on a paying basis; all garbage is collected by the city and disposed of in a reduction plant built under the supervision of engineer members of the city governwhich his father was a victor in the it. That country has prohibited the gardens. A workhouse with a new system of handling habitual drunkper cent of tin, and that so used must ards has been established. And the making of soldered joints has been provements have been adopted with

Our Presidents Long Lived.

The longevity of the Presidents of the United States is remarkable, says spensable part of gun and armor plate the "London Lancet." Their ages at steel, and of the modern bullet and death were as follows: 67, 90, 83, 85, armor-piercing projectile. It is doubt- 73, 80, 78, 79, 68, 53, 65, 74, 64, 77, 56, ing shown a considerable precocity news and analysis of American naval in learning to read and write and to 66, 63, 70, 49, 56, 71, 67, 58 years. tively, Lincoln, Garfield and Mcof armor plate and armor-piercing Kinley, who were assassinated. The projectiles. Rhodesia and New Caleages of these 24 men totalize 1,663 donia furnish between them the bulk years, or an average of 69 years each,

rison, bilious pleurisy; Tyler, bilious ganese at approximately \$7,000,000 attack (with bronchitis); Polk, laid down. All kinds of old scrap is chronic diarrhoea; Taylor, cholera much as it was before the war broke debility; Pierce, dropsy and inflamma-out. Many a railroad is able to sell tion of stomach; Buchanan, rheumatic gout; Lincoln, bullet wound: Johnson. paralysis; Grant, cancer of the tongue Bright's disease, paralysis and apoplexy; Cleveland, debility; B. Har- the dirt will be quite removed. pneumonia; McKinley, bullet wound

Fun All Around.

A city man recently visited his country cousin. The man from the city, wishing to explain the joys of urban life, said: "We certainly have been having the fun the last few days. Thursday we autoed to the country club and golfed until dark, then trolleyed back to town and danced until morning."

The country cousin was not to be stumped in the least and began telling some of the pleasures of the simple the United States when the war Uncle Ned's and went out to the back

And a sturdy old farmer, who was steaded until the clock fived, and then When the munition factories of the I breakfasted until it was time to go

Display-Type Faces Cast on Slugs by Machine.

One of the important improvements effected in the printing industry of late has been the invention of a maminute. England is said to have produced a new kind of high speed tool on slugs. Some of the advantages are that cost is reduced, an unlimited supply of clean, new type furnished for every piece of work, and time and ground into shape in order to make more, expensive foundry type is conity of the work. The matrices which recent test, it took fifteen minutes to are used are set by hand in sticks of a special kind, locked in the machine, and a slug cast. Sticks are made for lines as long as 10½ in., but when these are used, more than one casting tions and the new substances that are is made, the machine taking care of the justification automatically by indenting one slug and overhanging the next. When many duplicates are wanted, as in the cases of blanks, rules, borders, and similar things, the it is in the stress in Europe today. And Europe seems to be making the From the February Popular Me- baking powder. Beat thoroughly to vent chilling. chanics Magazine

FOR AND ABOUT WOMEN.

DAILY THOUGHT

However vexed you may be overnight, things will often look very different in the morning. If you have written a clever have clean government at any cost, and conclusive but scathing letter, keep it row all the pigs dead.

Perhaps the people of Dayton realize bon mines of ribbon wells or whatever If you have money invested in ribone calls the place from which ribbons by the yard emanate, you may feel perfectly free in planning a trip to Florida or Southern California, or anywhere else you choose. For ribbons are coming into high favor, and ribbon stock must be paying good dividends.

Quite the smartest finish for one's spring blouse is to have it completed with a square neck in front. This is make the best quarters. a very new idea and is shown on some perfectly exquisite new blouses of should receive only a light feed of French voiles, or cobwebby weave and bran fed wet. For the first thirty-six plan was adopted shows that in three shell pink tint. The collar was of hours after farrowing the sow should be fed very lightly. Heavy feeding at

New and fetching tailored suits are scouring in pigs. of midnight blue garbandine in a high-waisted style, with many fine hour period the sow may be started pleats and many black bone buttons. Collar and sleeves are rather tailorish, and the new, well-cut skirt was sweet skim-milk in the proportion of been provided out of equal expendi- not quite so short as last season's

> Among the attractive weaves for sports suits and other costumes are Poiret twill, crepe poplin, basket the United States Department of Agcheviots, velours and Bolivia cloth in riculture. The pullet that is hatched cream color.

Smart sports suits for young women are of wool Jersey in the new clay color, which, as you'd imagine, is a variation from the sand color of other seasons. The suits have pleats, belts and pockets in the approved sports style.

Poult de soie is a lovely white silk which is a combination of satin and taffeta. It may be used for sports

To a great extent the poult wide and but moderately priced.

less, soon be time for spring wraps, until late the following season and already the question begins to thus an unprofitable circle is formed concern fashionables.

Many of the new spring coats are lengths, but quite a number, especially motor wraps, cover the entire dress. Among the full-length models is the from his flock must break this circle. coat that pretends to be a frock, and this model is expected to meet with made this comparatively easier. There high favor.

and belts, and the high, normal and hens in the neighborhood. low waistlines apparently share equal approval.

having fitted, double-breasted lines in the upper section, with the fullness

of the chromium ore. Russia produces substantial amounts. More ferro-tungsten and manganese is used to have no effect on longevity.

The following causes of death are shorter. Lines vary, the coats somewhat was ever used before in the coats of the sports models are of three-quarter length, some slightly shorter. Lines vary, the coats somewhat was every the coats of the sports models are of the coats of the sports models are of the sports models. mine in the world is being worked 24 Adams, debility; Jefferson, chronic ture. The collars are round or sailor enough of this wonderful hardening debility; J. Q. Adams, paralysis; or closed. Sports materials this year and animal feed of some sort. Jackson, consumption and dropsy; are wide in range, many 1917 novel-Van Buron, asthmatic catarrh; Har- ties being shown, including wool velours in plain and fancy weaves; now worth from two to three times as morbus and typhoid fever; Fillmore, checks, hopsackings and tussahs, in plain color, polka dots and stripes.

The lace around the neck or collar of blouses or dresses often gets soiland throat; Hayes, paralysis of the ed. To clean, take boracic acid pow-heart; Garfield, bullet wound; Arthur, der, rub well into lace, and leave for a day or so. Then shake out, when

> The disagreeable smell which onions leave on pots and pans can quickly be removed by washing and drying the pans, scouring with common salt and placing on the stove until the salt is brown. Shake often, then wash the pan as usual.

When putting away best silver after might be left in, and leave lid open.

half gallon fruit jar, adjust the rubber and cover, wrap in a cloth to the bird can safely eat it. Test the avoid its slipping around, and place mash with your fingers; it should not it on the treadle of the machine. You may then either slip off the band and run the machine rapidly for a few minutes, or place the jar between be carried out diligently each evening, your feet on the treadle and go on as to obtain the best results it is newith your sewing, and in a very few minutes you will have a nice dish of butter. More than a half pound of I have re butter may be made in this way.

To keep the napkins in good shape take them by opposite corners when they are wet and twist round and round. Do the same with the other corners. You will find that this squares the linen better than all the pulling and coaxing into shape when ironing time arrives.

Don't wear thin shoes and gossamer stockings in cold weather, or you will have that pinched, chilled look which is so unbecoming. Don't economize in shoe leather, as it is economy that is likely to cost you dear.

Don't give up taking exercise, even if the weather is bad. A brisk walk on a cold day is a splendid complexion floor space materially saved. Furthermore, expensive foundry type is conserved, and without reducing the qual-served, and without reducing the qual-served. it is bad for the hair.

Do not let your rooms get hot and stuffy, and always have a window to dry your hands thoroughly after washing, if you wish to prevent them station states that eggs for hatching from getting chapped.

Eggless Cake.—One cupful of

FARM NOTES.

-The feed allowed brood sows just prior to farrowing is of vital importance. Sows should not be overfat at farrowing time. If too fat they will be feverish, constipated and may far-

A suitable grain ration recommended by the Pennsylvania State College school of agriculture and experiment station for sows prior to farrowing is one consisting of corn, 400 parts, middlings 300 parts, tankage 100 parts and bran 50 parts. Oil meal may be substituted for tankage and the amount increased to 150 parts in the mixture.

A week or ten days prior to farrowing the sow should be removed to a farrowing pen which should be dry, comfortable and roomy. Farrowing pens in a centralized hog house eight feet square, with lots opening outside

The day before farrowing the sow this time will produce heavy milk flow, which in turn is apt to cause

one pound of grain mixture to one

pound of milk. Early hatching is the secret of winter egg production, say specialists in riculture. The pullet that is hatched early matures early and is ready to lay eggs in the fall when the supply is scarcest and prices highest. Chickens that are expected to be revenue producers for their owners later in the year should be out of their shells by April 30 at the latest. If they are properly cared for thereafter they

will begin to lay eggs at the very time To a great extent the poultrymen suits, skirts, coats or blouses, is quite wide and but moderately priced.

of the country have overlooked this simple fact. For one thing, birds hatched later in the spring or summer Cold though it be, it will, neverthe- are not inclined to become broody thus an unprofitable circle is formed. Each year pullets mature too late to produce in the fall and winter, and in three-quarter and seven-eighth they sit too late for their offspring to do better. The poultryman who

The growing use of incubators has is no reason why incubators should Most of the new spring coats are not be filled in March and early April along straight lines, having less flare than those worn during the fall and If no incubator is available it winter. Not a few models have sashes may be possible to secure broady they will repay the trouble and expense necessary to obtain them, is Some charming and youthful indicated by results at the governmodels show the Directoire influence, ment poultry farm in Maryland. There it is not unusual to get a daily average of one egg for every five hens gathered on at a high waistline. throughout the fall and winter, and Moyen-Age lines are again suggested in some pens the average has been and characterize some very beautiful as high as one egg for three birds. If anything like this percentage could be obtained on farms, the ordinary three-quarter length, some slightly benefit from the high prices which

windpipe, or membraneous croup;) J. Fancy pockets are a noticeable feaduce a profitable number of eggs in hours a day in the effort to turn out diarrhoea; Madison, debility; Monroe, in effect, large, and may be worn open ing. These are exercise, green feed,

I have secured best results from scratch feed composed of corn, wheat and oats, equal parts-about one pint wool jersey, in plain colors and for each 12 hens, morning and night, stripes; English and Scotch mixtures, feed in deep litter. For a grain mash feed in deep litter. For a grain mash I use wheat middlings, 25 pounds; wheat bran, 25 pounds; ground oats, 25 pounds; corn meal, 20 pounds; and meat scrap, 10 pounds. This dry mash is fed from a dry-mash hopper.

When pullets are early hatched, properly housed, and are being fed a mash such as I am recommending and poor results follow, try giving them a hot mash just about sundown. Chop up fine green feed, such as turnips, mangles, turnip tops, young oats, wheat or rye from the field, or cabbage or collards, and mix this with the above dry mash mixture, then pour on boiling water or, if you have it, boiling buttermilk or sour skim milk, and thoroughly mix the mass. use try placing a piece of loaf sugar Make it crumbly moist, not too wet, in both teapot, coffee pot and hot and feed just enough so that they water jug to absorb any moisture that will clean it up in about twenty minutes. This will take about one ounce of dry mash to each bird, a bucket When you have a small amount of of fine chopped green feed for each ream to churn try putting it into a 200 birds, and nearly a bucket of boiling liquid. Give this mash as hot as be hot enough to burn the mouths of the hens and yet hot enough to warm cessary to care for the birds "like

I have recently tried out this feeding plan on six flocks of pullets. One flock producing one to two per cent of eggs increased to 10 per cent in ten days, and in another ten days they were laying 20 per cent, and this rate should be steadily increased as the weeks go on toward spring. Another lot increased to 30 per cent egg production in three weeks.

Eggs for hatching should be selected, and only those having normal shape and weighing at least two ounces, with clean, smooth, strong shells should be used. Cracked eggs as well as dirty eggs, rough shells, weak shells, abnormal shapes, and extremely long or short eggs should be

There is no means of determining vitality, however, is lowered but little when the egg is held for 10 days or two weeks. Extension Circular No. 47, slightly open at the top. Don't forget of the Pennsylvania State College school of agriculture and experiment should be kept in a dry, cool place (50 to 60 degrees F.) laid on their sides, and turned occasionally. The sugar, one-third cupful of shortening, three cupfuls of flour, one cupful of F. In cold weather eggs should be sweet milk, three tablespoonfuls of collected as often as possible, to pre-

-Subscribe for the "Watchman".