FARM FACTS.

(Compiled by Ernest A. Gerfrard.) Make a scrap book of your "Farm Facts.

The Illinois experiment Station says that corn can be grown, independent of rent, for \$ cents a bushel. That in-tons per acre, green weight. With a rent, for 8 cents a bushel. That includes husking. These people who can grow corn for 6 and 8 cents a bushel are marvels to us. That is all we can 都积火

Cut the herd down until every cow in it earns a good living, and then buy raise more of the same kind. Do not keep a boarding farm for poor cat-Let not your pride be in a large herd, but in a herd which pays a large of the soja bean as a fodder crop very profit.

It has taken over a century to bring the Jersey or Guernsey cow to her present perfection and over a thousand years to do the same work for the Holstein. Yet some foolish and unthinking owner can spoil a heifer of either breed in a year.

Apple and pear growers will be glad to know that it is proposed to import anese, but they are largely used in and breed a small bird which lives on the manufacture of a table sauce known the codling moth. The bird is a native as shoyu (soy), whence, probably, the of Germany and is of the greatest value names soja, soya, and soy. They are, also, largely used for the manufacture the orchards in this section this importation will be of incalculable benefit.

HOW TO KEEP UP FERTILITY. (Kansas Dairyman.)

To a true, conscientious farmer it is ever a momentous question, "How can I best keep up the productive power of my land?" To such a man it seems the colony, imported last year from her productive power, to live his short pickled and creamery butter. He placed life and turn over to the coming gen-it on the table and his guests had to eration and the state such proof of his eat it. The result was that it was lack of good ctizenship. For men of liked, and residents of the city

Crimson clover is a plant of wonderful Crimson clover is a plant of wonderful vigor, but it will not, usually, live through the winter north of the south-roll weighing one and three-fourths pounds, and it was taid down in Hong ern line of Pennsylvania. But it can be taken advantage of in a grand way by northern farmers to enhance the fertility of their soil.

At the last cultivation of the corn, sow on the fresh earth about eight to ten quarts of this clover seed. It will uminium shoes for cavalry horses. A mat of growth, and help to keep down were shod with one aluminium shoe the aftermath of weeds. Let it remain and three iron shoes each, the former as long after the corn is cut as possible being on the fore foot in some cases before the ground freezes, then turn and on the hind foot in others. The it under, and you have the equivalent experiment lasted six weeks and showed of many loads of manure to the acre that the aluminium shoes lasted longer on that land. The quick and luxurant than the iron ones. growth of crimson clover is wonderful In a corn field in New York, handled in this way, we dug up, in September, several roots, the size of a clay pipe stem, with from thirty-six to forty-one leaf stalks branching therefrom. We know of no method whereby a heavy coat of manure can be placed on a corn field and more cheaply than in the way above sugegsted.

FOOD COST OF BUTTER (Hoard's Dairyman.)

In answer to yours of the 17th inst. will say that I do not claim that butter can be produced at 4.2 cents per pound for feed. In my address in Connecticut I showed that with certain cows we could produce a pound of butter at 4.2 cents during the winter season; but on does kill many. the other hands, there were some cows

which cost us 10 cents. During the year 1896 with us the range of cost in producing a pound of Plymouth Rock will do the business. butter was from 4.1 to 10.8 cents. The average cost from the whole herd for the entire year was 6.3 cents, Dividing feed. the herd into two groups and placing There is more in giving chicks good those of the dairy type in one group care than there is in the kind of and those inclined to meat production feed. in the second group, we find that the average yield per cow from the dairy group was 460 pounds of butter, costing it at will,

heat producers (carbo-hydrates) as in given by the cow pea.

When, in the light of these facts, we consider further that the Medium Green soja bean has, upon an average, as grown here, produced as large yields as the cow pea, its superiority becomes strikingly evident. The crops of both yield of ten tons, the cow pea will give us the following number of pounds of the different nutrients per acre: Fat, 140 pounds; flesh-formers, 620 pounds; heat-producers, 1.720 pounds. The sola bean with the same crop gives us: Fat, 240 pounds; flesh-formers, 1,110 pounds; heat-producers, 2.400 pounds. These facts make the apparent superiority clear.

These beans are edible, and are the richest known natural vegetable prodert. I do not believe, however, they will be as well liked for table use as some of our older varieties of beans; they are too rich and oily to suit most tastes. They are not much used directly as food, even by the Japof a bean cheese, which is a favorite and largely used article as food for horses and cattle.

PROF. WILLIAM P. BROOKS. Massachusetts Agricultural College.

AMERICAN BUTTER IN CHIANA that kind of heart and brain, we have a into the habit of sending to him for rolls for their private use. He im-Kong for from 26 to 32 cents gold per pound.

ALUMINIUM SHOES FOR HORSES cover the ground with a dense few horses in the Linland dragoons

FOULTRY POINTERS.

It is said a good sign of the up-to-date farmer is his flock of poultry. The progressive farmer has no use for scrub stock of any kind.

Clean out the feed troughs daily. It is well to feed a mash at all sea-

Never throw soft feed on the ground. When hot weather comes stop feeding corn

Do not expect eggs from overcrowded flocks

Underfed or overfed hens are poor layers.

Frans make an excellent food for the hens. Fermented food will kill chicks, and

Serious consequences will result from

ot supplying grit to confined flocks. If you want eggs and meat, too, the Feed troughs should be large enough to give all the fowls opportunity to

There is more in giving chicks good

Keep your dust box full of dry dust and keep it where the hens can get at

Clean the henhouse from top to bot-

THE CALL TO THE COLORS.

"Are you ready, O Virginia, Alabama, Tennessee? ople of the Southland, answer! For the land hath need of thee. 'Here!" from sandy Rio Grande, Where the Texan horsemen ride, "Here!" the hunters of Kentucky Hail from Chatterawha's side, Every toiler in the cotton, Every rugged mountaineer. Velvet-voiced and iron-handed, Lifts his head to answer "Here! some remain who charged with Picket Some survive who followed Lee: They shall lead their sons to battle For the flag if need there be.'

Are you ready, California,

Arizona, 1daho? Come, oh come, unto the colors!" Heard you not the bugle blow?" Falls a hush in San Francisco In the busy hives of trade; In the vineyards of Sonoma Fall the pruning knife and spade; In the mines of Colorado Pick and drill are thrown aside; Idly in Seattle harbor Swing the merchants to the tide, And a million mightly voices Rolling from the rough Sierras, "You have called us and we come."

O'er Missouri sounds the challenge-O'er the great lakes and the plain; Are you ready, Minnesota? Are you ready, men of Maine?" From the woods of Ontonagon, From the farms of Illinois, From the looms of Massachusetts, "We are ready, man and boy. Axemen free, of Androscoggin. Clerks who trudge the citles' pave. Gloucester men who drag their plunder From the sullen, hungry wave Big-boned Swede and large-limbed German.

Celt and Saxon swell the call, And the Adirondacks echo "We are ready, one and all."

Truce to feud and peace to faction! All forgot is party zeal

When the warships clear for action, When the blue battalions wheel. Europe boasts her standing armies-Serfs who blindly fight by trade;

We have seven million soldie And a soul guides every blade. Laborers with arm and mattock,

Laborers with brain and pen. Railroad prince and railroad brake-

man Build our line of fighting men.

Flag of righteous war! close mustered Gleam the bayonets, row on row, Where thy stars are sternly clustered. With their daggers toward the foe.

GENERAL ANTONIO MACEO.

One more characteristic indicent in

the life of General Antonio Maceo. As the years roll by he will undoubtedly loom up as the heroic figure in the long and bitter struggle for Cuban free-dom. His patriotism was entirely untained with selfishness. His heart beat for Cuba, and Cuba alone. His whole family perished in the war. No cuelty stains his record. Of unquestioned for some time observing the sti military genius, his ceaseless energy scene in the valley below them. was second only to his tact and forrast. In recourse he was boundless; in of the electric lights they could see bravery unsurpassed; in prudence a that the activity among the Spanlards marvel. Obeying orders himself, he commanded obedience from others. Out- turned to the correspondent and said rages upon non-combatants were remorselessly punished. The black soldiers of Flor Crombet quickly learned to fear and respect him. Two of them were charged with assaulting defenseess Cuban women on the outskirts of

called you?" "Oh, no," the correspondent replied, "I was not asleep; I was only just tired—that was all." The general looked at him searchinga town garrisoned by Spanlards. The evidence was clear and irrefutable. On ly, and then said: "Don't worry, it all right. We are going through that the finding of a court martial they were town in a few minutes. There nay be a fierce fight and you will need a clear sentenced to death. In vain did Crombet and Quintin Bandera urge Maceo head. The egg will give you strength." | and Nordenfeldt appear to have been Within twenty minutes the little col-umns of 300 men were on the move. though other gun designers soon folto pardon them. The orders against The umns of 300 men were on the move tom. Do it thoroughly, and do not strictest discipline must be maintained. They led their horses down the bill and it was not a case where justice about an hour before daybreak with Both the general in the lead. Silently and men were hanged in front of the camp, stealthily they entered the outskirts of and henceforth Maceo's men were as the town. The columns passed two orderly and as obedient as solidiers of blockhouses without being observed and Sparta. No one was axcepted in camp at the break of day were beyond the regulations. Even the newspaper cor- town on the main road to Banabacoa. respondents were held to as strict ac-count in the line of march or elsewhere ered them. The town was aroused and as the humblest soldier. Macco was no 150 Spanish cavalry headed the pursuit. respector of persons when orders were the road wound through fields disobeyed, he had few or no favorites. A strong column of Spanish infantry Always thoughful and wary, he never followed the cavalry. Maceo held his and continued men in reserve bis march, the Spanish troopers trailing after them like so many wildcats. Suddenly, to their astonishment, Quintin Bandera's infantry arose on either side dinary interest. This incident occurred after the battle of Paralejo, where San-pursuing column. Those that escaped toclides was killed, and Martinez Cam-pos escaped to Bayamo, leaving his returned to San Luis and began to fortify themselves. Maceo and Bandera camped on the estate of Mejorana. this fight, and Marti had been killed in an insignificant fight at Dos Ross. Go-Marti, Gomez, the two Maccos, Crombet, Guerra and Rabi met not long before fire to the insurrection in the province of Santiago. To him was Campos in-Bandera and Macoe found plenty of provisions at the estate, but no bread. ture as if by intuition. A new snare had been spread for him Maceo after the death of Santoclides, and he was send some bread to visitors at the tively divining the situation, he came Mejorana plantation. The boy delivered the note and the Spanish commander asked him who sent him. Without a moment's hesitation he replied: "General Gomez." The Spanish official laughed and replied: "Very well, rapidly reinforced after the escape to Bayamo, and supply of bread will be sent. It will Maceo with Quintin Bandera began to not be necessary for Maceo to come fall back to his impregnable mountain after it." What is more remarkable retreat at Jarahulca. This was in the is the fact that Maceo told the cor-heart of Santiago de Cuba, over a hunwould be sent, as the Spaniards had Santiago. His war-worn army needed been so frightened by Bandera on the rest, recruits, and supplies. Once in previous day that they did not want his mountain fastness he was perfectly to invite another attack. That very secure, as no Spanish army would trust evening the boy returned conveying many bags of bread. The Spaniards remained within the town until Maceo has rested his army and departed for Jarahuica "By George, that was a savage fight! What was the trouble?" the Cleveland Leader quotes one of them as saying. "Oh, it was about the war. "Ah! one of them is a Spaniard, I suppose?"

RAPID FIRE GUNS.

Rapid fire guns are guns in which he manipulation of the piece is greatly facilitated by having the charge of to attention. A second order reached their ears. They were told to stand motionless with both feet on the ground powder and shot put up together as one, quite after the manner of small arm amunition. An essential to secure and to await further orders, with their this rapidity of fire is dispatch in hand-ling ammunition-loading. firing and loading again. Hence it is at matter of the first importance to have the ammunition arranged with this object in view. Copper cylinders are usually the many years, and who had parted with him at Port Limon in Central America means employed. This employment of metallic cartridge cases to hold the shot and shell renders unnecessary the sponging of the gun after each round. as must be done with other systems a loading, for any hot residue would b of great danger in ordinary guns if not removed or cooled by sponging. Such burning fragments could do no harm to his eyes closed and he found it impos-sible to keep awake. A moment later he fastened the bridle to his foot, wrapa powder charge sealed up in a meta case; so the time usually given to sponging the gun is saved. Again, in ped himself in his rubber coat and fell ordinary guns considerable delay usually occurs from having to insert in the had better get up, as they were going vent a primer, and from having to extract the old one. In the rapid fir attached to the base of the case, and ordinarily needed to prime the charge again aroused by the adjutant, who told s therefore saved.

The rapid fire gun was developed from the machine gun, the French mitraille being the first successful piece o this nature. It gained great notoriety during the Franco-German war, and sleep when startled by a peremptory shake, Jesus Mascons, Maceo's private secretary, stood over him, "eGt up this instant," said he_"The general wants to see you immediately." extraordinary results were expecte from it. The mitrailleus, nowever, was ticipated, still it showed the way, which

THE TORPEDO BOAT.

on the horizon. He went forward in some trepidation, fancying that the general was going to upbraid him for It was during this time-1875-78-that the torpedo bcat shot into priminence long, low, nearly invisible, as swift as an arrow, carrying a death dealing weapon to fright the souls of fearful adversaries. Everything in the way offensive sea warfare was expected of these craft, indeed they were thought by some capable men-notably Frenchmen-to be the one decisive naval ment of strength of the future. Hotek-kiss, a name synonymous with small callber rapid fire guns, came to the assistance of those who were deter-mined that some means must be found to annihilate these torpedo boats, bring. ing forward the revolving cannon of several sizes of bore. In pieces of this type each barrel, usually four in num-ber, was revolved by crank gear until it came opposite a stationary chamber, where the projectile was inserted and then fired, all by the turning of a crank. About an inch and a half diameter was found to the largest size of barrel that could be advantageously operated by the gearing; above that the weight was too heavy for the gun to be worked machine gun.

While the machine gun was growing in power and efficiency so was the torpedo boat; its size was increased and the boilers were arranged so as to be protected against these revolving cannon projectiles by coal; then it became necessary to provide guns possessing not only the quality of rapidity of fire. but discharging heavier projectiles with higher velocity. The success attending using of metal cartridge cases for holding the ammunition of the large revolv ing cannon demonstrated the practibiliity of constructing heavier guns to fire the same description of ammunition. and it was also recognized that better results could be gained by giving up the mechanical loading-such as was common to guns of more than one barrel-and instead to design the gun with only one barrel. Again Hotchkiss

HOW DEWEY WON HIS WIFE.

It was at Portsmouth that Lieutenant Dewey first met the sweet-faced little woman who afterward became his wife, She was Miss Susie Goodwin, a daughter of doughty old Ichabod Goodwin, the war governor of New Hampshire and known far and wide as "Fighting Governor Goodwin." In his way Governor Goodwin was a popular hero in the early days of the civil war, quite as much as is his distinguished sonin-law today. Like many another of the "war governors" of the north, Ichabod Goodwin was an old school democrat of the Jackson stripe. Nullifica-tion or secession he could not stand, and when President Lincoln's first call for volunteers came and found the New Hampshire legislature not in session, the loyal old governor put his hands deep into his pockets and at his personal expense fitted out a regiment of fighting men and sent them to the front, trusting to the honor of the people of New Hampshire to reimburse him at "Fighting Governor the proper time. Goodwin" was known far and wide in those days; village streets were named gun ammunition the primer is already in his honor, likewise babies galore; and to this day the old Portland, Saco is exploded by a firing pin just as n is, and in precisely the same manner as in a small arm, and hence all the time goes puffing and snorting along the road which connects Portsmouth shore

with points east and west. Two gallant naval officers were generally supposed to have been rivals for the heart and hand of Suste Goodwin. They were Lieutenant Dewey and Commander Rhind, the latter then preparing for a cruise in foreign waters as commander of the Narragansett. The not altogether so efficacious as was an- calls of the one alternated with those of the other, and the dear old gossips Gatling was not slow to follow, for in Portsmouth society wondered what would be the outcome of it all. The behind, and several other inventors were soon in the field lieutenant, however, won his suit. Commander Rhind sailed away in his fine old ship and Lieutenant Dewey and Miss Goodwin were married. recalled now that the odds were against the old and more dignified officer because, in addition to the greater favor which the young lieutenant had won in the eyes of the young woman, there was the aid which was thrown into the balance by her father, the "fighting governor.

"George is sort of reckless somethe old gentleman once retimen." marked, "but hand me if I can help liking him. He's honest and full of grit, and he'll be heard from one of hese days."

Lieutenant Dewey and Miss Susio Goodwin were married October 24, 1867, and following the wedding a reception was held in the fine old Gcodwin homestead, which is still standing on one of the quiet, elm-shaded streets of Portsmouth, and occupied by members of the Goodwin family.

Shortly after their marriage the young couple were compelled to separate for a time, Lieutenant Dewey hav-ing been ordered to sea. For two years was on the European station, his wife remaining in Portsmouth. Returning to America, he was, oddly enough, assigned to the command of the Narragansett, relleving his former rival, Commander Rhind, The one great sorrow of his life came a little later. This was in 1872. He had been promoted to be commander and luck seemed to be running strongly his way. The young wife was spending a summer in Newport and preparations were being made for an event which it was hoped would crown with joy their wedded life. A son was born December 23, but a week later the mother died. The boy was christened George Goodwin, in honor of his proud grandfather. He is now a splendid fellow of 28, a graduate of Princeton, and a "chip of the old block." This boy is George Goodwin Dewey, now well started on a mercantile career in New York, and whose alleged portrait has recently appeared in half the newspapers of the country After the loss of his wife, Commander Dewey faced the world bravely, but those who know him well say that his soul was sorely tried, while his sister is authority for the statement that he felt as if in no little measure his career had ended at the grave of his wife. Years have not entirely blotted out this feeling, but, according to a Washones used today in our service. Latterly ington story, our hero of Manila has not been entirely proof against Cupid's mischievous glances. As the story goes, it was not so very long ago that the gallant Dewey was eclipsed by a certain diplomat attached to one of the legu-tions in Washington, and a Spanish diplomat at that, 'Since then,' says my informant, "Dewey has shown little if any love for the diplomat in ques-The fact is, at least one may suspect so, he had something besides the Maine to remember when he lined up his ships before the Spanish fleet in Manila bay.

"Are you not hungry?" "No," the correspondent replied, won-dering what was in the wind. "I thought possibly you might want something to eat," General Maceo said, "I have a boiled egg here and I want to divide it with you." As he uttered these words he drew out his machete and cut the egg straight through the center. Passing half of it to the cor-respondent he said: "Share it; it will do you good." The newspaper man thanked the general and they ate the egg in silence. He said afterward that the incident reminded him of General Marion's breakfast with a British offi-He had read the story in Peter cer. Parley's History of the Revolution when a school boy. Marion raked a baked sweet potato out of the ashes

Macco's egg.

of anxiety. Finally he alighted and con-

ferred with Colonel Miro, his chief ef staff. A moment afterward came the

order to dismount. Three hundred

troopers obeyed, when they were called

hands on their saddles. In the moon-light beneath the scattered paims they

Among them was a newspaper cor-

a few months before. He hal joined the column just after the battle of Par-

In obedience to orders ac

with his arm over the back of his horse, blinking at the enlivening scene below

him. Exhausted by the day's march

asleep in the wet grass. The adjutant

soon awoke him, telling him that he

to have a fight. He thanked the adju-tant, who told him there were 3,000

Spanish soldiers in San Luis, and that

it was surrounded with fourteen block-

houses. The correspondent soon curled

himself on the grass a second time and

was in a sound siumber, when he was

him he was in positive danger if he per-

sisted in disobeying the order of Gen-

eral Maceo. A third time his heavy

eyelids closed and he was in a dead

In a second that correspondent was on

his feet. The whistles were still blow-

ing and the electric lights still glow-

ing in the valley, and the moon was

disobeying his orders. He was surprised

to find him very pleasant. Maceo aiways

spoke in a low tone, as he had been

of a camp fire and divided it with his

British guest. The officer regretted the

absence of salt, and the correspondent

said he experienced the same regret

when he ate his portion of General

After munching the egg both men sat

The

glow

for some time observing the stirring

was as great as ever. Suddenly Maceo

abruptly: "Were you asleep when Jesus

moon had gone down, but in the

shot twice through the lungs.

stood as silent as if petrified

alejo

cents per pound. The net return from the dairy cows, after deducting the cost for feed at market prices. Was in the herd Taking the cows that have a medium tendency of con-verting food into flesh, we find that earliest hatched pullets. the group produced on an average 209 pounds of butter in a year, costing 7.7 cents per pound. The return for dairy products from this group over and above the market prices of the food consumed is \$21.10 per cow. Taking the cows that have a strong tendency for flesh production we find that their anrual yield of butter was 197 pounds, costing 10.5 cents per pound. The net return per cow from this group, after deducting the cost of feed, was \$8.19. T. L. HACKER.

THE WORLD'S WHEAT

A few days ago the bureau of satistics at Washington issued a report that gives interesting facts about the world's wheat production, supply and distri-bution. The wheat crop of the world last year was only 3,139 million bushels, against 2,430 million in 1896, 2,546 million in 1895 and 2,676 million in 1894, the world's crop of 1897 being smaller than that of any year since 1890, while the 1897 crop in the United States is reported as larger than in any year since A table showing farm prices of wheat in the United States during a term of years gives the average farm of wheat in 1897 as the highest with three exceptions, since 1883, the exceptional years being 1888, 1890 and

WHAT IT COSTS TO SHIP THE WHEAT.

Chicago to New York-By lake and canal, 4.35 cents per bushel; by lake and rail, 7.37 cents per bushel; by rail costs, 5.8 cents per bushels.

Chicago to Liverpool-By lake, canal and sea, 10.15 cents; by lake, rail and sea, 13.17 cents; by rail and sea, 18.12 cents per bushel.

From New York to Liverpool-By sea coats, 5.8 cents per bushel.

East St. Louis to Liverpool-By New Orleans in barge, 12.89 cents per bushel; by New York, by rail and sea, 20.33 cents per bushel.

From St. Louis to New Orleans-By barge costs. 4.88 cents per bushel.

Wheat thus goes cheapest from Chl-cago through the lakes and the Erie canal at a rate of 4.35 cents to New York and 10.15 to Liverpool.

THE SOJA BEAN AND THE COW Pea

We prefer the soja bean to the cowpea, either as a fodder crop to be fed green, or to be put into the silo, for the following reasons:

The soja bean, a suitable variety being selected, will ripen in this locality, while the cow pea will not. This enables the farmer to produce his own seed, and, further, the plant can be allowed to reach a degree of maturity sufficiently advanced to make the fodder less watery, and richer in the most important constituents of plant-food than the cow pea in the immature condition in which it must be cut.

The soja bean is a considerable rich. er fodder than the cow pea

for comparison with the cow pea. It your strength to meet it .- Tryon Edwill be noticed that this variety gives us nearly twice as much fat, more than and two-thirds times the amount OTH of fiesh-formers (protein), and about and yet words are no deeds .- Shakesone and one-half times the amount of peare.

put it off another day. Early moulting makes early layers.

Milk, skimmed, sour or sweet, is excellent food for poultry, especially when you have no ground bone to feed them.

Have you a barrel of lime handy? If not, get one. Make you a good stiff wash and add a little carbolic acid, then exercise yourself.

A Hasty Army Marriage.

The romance of young Lochinvar, who came out of the west, and kid-naped his bride by horseback, has been revised and modernized, even to the present war with Spain, by Cecil Stanley Newberry, a soldier boy from Elizabeth, N. J.

Cecil was betrothed to petite and pretty Adeline Norton, one of the fairest daughters of the New Jersey town from which the gallant Cecil enlisted. Last week she visited him in camp They had a dismally happy half hour together, and when the last train rumbled down the track their tears mingled with their kisses.

'Hurry, Addie." said Mrs. Lake, Addie's sister and chaperon.

C cil helped Mrs. Lake upon the plat-Cecil helped Mrs. Lake upon the platform of the car. It took his a marvellously long time to perform the same office for Addie.

The train started. The girl waved a tearful farewell to her lover, and was surprised to see him run toward the rear car.

'He's going to throw himself under the train," she screamed.

Instead he ran through the rear car, seized her by the waist and sprang from the train. Mrs. Lake, breathless protesting, looked from the but window to see the couple surrounded by cheering soldiers. Years of maternity had made Mrs. Lake too portly for the athletic feat young Newberry had accomplished. She simply did what another chaperon has donemany nothing.

"I couldn't let you go," said New berry, when they recovered their breath after their leap from the train.

They found the Rev. Mr. Glazebrook, the "fighting parson," of the Third reg-iment, and were wed with neatness and dispatch, in the presence of Major De Hart and Captain Bickel.

The next morning Mr. and Mrs. Chas Norton, stern parents, arrived in camp "Oh, papa!" exclaimed Mrs. Cecil Newberry, before he could make any thunderous remarks, "who do you suppose performed the ceremony? Guess' You never can. It was Dominie Glaze-brook." The stern parents started. brook. Mr. Norton looked reminiscently

Mrs. Norton. Mrs. Norton gazed pleadingly at her spouse. "It's a good omen that the chaplain married them who joined us when you were leaving for the other

war. Let's forgive them for being has-Charles. ty. And so they did.

The Medium Green variety, which I believe is the very best sort for this latitude, constitutes the better basis waste; if it is to come, best keep all wards.

It is a kind of good deed to say well;

such outrages were imperative. could be tempered with mercy. slept unless he fancied himself in perfect security

Any story that sheds light upon the character and career of this extraordinary man must prove of more than orrouted army behind him. Flor Crombet had fallen in battle several days before mez had passed into Camaguay to add of Santiago. To him was Campos in-debted for his defeat. He escaped capalready within its meshes, when intuito an about face and fled to Bayamo by an unused road, covered by an impassable thicket in the rear of Maceo's victorious troops

The Spaniards were dred miles northeast of the port of itself in the rocky range. News of his movements had reached Santiago, and tremendous effort was being made to head him off at San Luis, a railroad town fifteen miles northwest of that city. Nothing, however, escaped the observation of the Cuban general. With wonderful prescience he anticipated the movements of the Spaniards. His troopers were armed with machetes and the infantry with rifles and ammunition captured at Paralejo. Bandera commanded this band of blacks. The march day evening when Dewey took Manila, had been terrific, and horses and men were nearly fagged. With sparse supplies the pace had been kept up for hours. The sun had gone down, and thing of that kind. Which do you think the moon was flooding the fronds of the was right?" palms with pale, silvery light. Maceo held a short conference with Quintin Bandera, and not long afterward the blacks wheeled in column and disap-peared. Meantime the Cuban cavalry time. Now let me expla-" ontinued its course. By midnight it had reached Cemetery hill, overlooking half way down the sky. Macco sat upon his horse surveying the scene be-low him long and silently. The little "Say I want you to understand that The little low him long and silently. town was aglow with electric lights and I know just as much about these things the whistle of locomotives resounded in as the next man. You may think you the valley. Over three thousand Span- have a copyright on human knowledge, ish troops were quartered in the town, but there are a few others. Now, if and their movements were plainly dis- you're not incapable of listening to arcernible. Trains were arriving hourly gument, I can convince you in just a from Santiago bearing strong rein-forcement. Through a field glass he "Oh, who cares for your explanation? watched the stirring scene. He turned Let me tell you how it is. You seeglars beyond the town and gazed through it patiently, betraying a trace

"No; one of them claimed it was Sunand the other held that is wasn't done until Monday morning, our time." "What blamed fools to fight over a

"I think it was Sunday evening. You see

"I beg your pardon, sir, but you are away off there. It was Saturday, our "I've looked this matter up myself.

and know just what I am talking about. the town of San Luis. The moon was if you'll just give me a chance I can

"Say, I want you to understand that pounder.

"You're a blamed fool!" Bang! Thwack! Z-z-r-r-rip! !!! lowed suit.

THE THREE AND SIX-POUNDERS. The results of the labors of these wo inventors were the production of the first rapid fire guns using shot weighing three pounds and six pounds. Subsequently the one-pounder was manufactured. These calibers are the the six-pounder has been supplied alone to our new ships. From the threepounder and one-pounder about thirty shots a minute can be fired by a trained crew, and from the six-pounder about This speed will not be twenty-fire. considered too great when it is recol-lected that a torpedo boat has to be repelled or destroyed from say 1,000 yards to 400 yards, during an interval tion or for the Dons in general, of less than a minute. Moreover, as fact is, at least one may suspect orpedo attacks will probably be made by several boats at the same time and from different quarters, it is evident that a large number of quick firing guns must be included in the arma ment of all men-of-war.

They are therefore placed on board ship wherever there is room for them. and in such positions that several guns can always be concentrated on any point. Thus they are found in the tops. on the poop, forecastle, superstructure, on bridges, in any spare port, on the main deck, and in the ports of the captain's cabin, where they protect the stern and the propellers.

The Hotchkiss three and four-pounder guns mounted on board our ships are made at the Colt works, Hartford, Conn., entirely of steel, in two principal parts, the barrel and the jacket, the latter being shrunk on the firearm. The jacket carries the breech mechanism. which is on the falling breech principle. and is worked by a two handled lever on the right of the gun.

TO MAN THE GUN.

To load the piece, point it, fire it, etc. in other words, to man a three or six-pounder gun-requires a crew of four men. No. 1 is the captain of the He does the sighting, pointing gun. and firing, and he commaands the men

of that gun. No. 2 attends at the breech, opening and closing it and wiping it off. No. 3 does the loading, and inserting the cartridge, and generally ees to the ammunition at the gun. No carries the ammunition from the boxes where it is kept and hands it to No. 3. He also takes off the empty case and lays it aside out of the way. isually there are two more men assigned to each gun. Their duties are to provide ammunition and keep the supply equal to the demand. One man, of course, car do everything himself. but not so quickly as two or three or To have sufficient ammunition on

hand is a most important matter, for if will need to get his gun quick. The ammunition is stored in wooden boxes, each cartridge so that it cannot touch the base of the cartridge case carrying measures the primer shall be in contact with anything. Usually there are about a dozen six-pounder rounds in a box, about sixteen rounds in a three-pounder box and nearly twice as many in a one-

The oyster is one of the strongest of creatures, and the force required to Grant, but he waved her aside witho open it is more than 1,300 times its own giving her an opportunity to say Weight

is This Grant's Son.

Colonel Grant, who has been the ideal of his men, developed a streak of rigid discipline on receipt of orders to take his regiment scuth and it increased during the lay. The fact that his battalions were not mustered in until late in the afternoon, though it had been intended to have the ceremony early in the morning, may have ruined him Private John C. Heicht of company C

aroused Colonel Grant's anger by a request for leave to go home to visit his mother, who, he said, was dying. He approached Colonel Grant in person, with his sister.

"I cannot grant your request," Colonel Grant said. "Do you know that I have a margin of only four men in this regiment?

"I'll join the regiment in two days," pleaded the soldier, "and pay my own ailroad fare."

Colonel Grant was obdurate, Heicht said

"I must resign, then, sir, and go home anyway.

"Step back three paces and stand at attention." thundered the colonel. He sent for Captain Avery of company C. When he arrived Colonel Grant said: "Take this man to his company, strip him of his uniform and send him out of the camp in disgrace. I intend to make an example of him.'

As Heicht left I asked Colonel Grant what caused his sudden harshness.

"The camp is overrun with women's begging leave of absence for men," hes

answered. "I am going to stop it." I found among the men entire sympathy with Heicht. Not a member of the drum corps would have consented to beat a note for his disgrace and Capfour. More than four cannot be util-ized to any advantage about the gun. himself, would have left the carrying out of the order to Colonel Grant. Th captain sent Heicht's sister to Brooklyns a torpedo boat be coming on Johnny for his clothes and left him in his tent. during the mustering ceremony.

Officers of high rank, who naturally refused to criticise Colonel Grant's acthe adjoining one, and also so that tion, said they knew of no section of neither the point of the projectile nor the military code authorizing such tion, said they knew of no section of

When the men returned from the mustering Captain Avery had a talk with Colonel Grant and Heicht was allowed to go home in perce. Miss Heicht said to me as she left that she had never been so heartlessly treated in her life. She said she had tried severall times to explain mattres to Coloneit Grant, but he waved her aside without word