

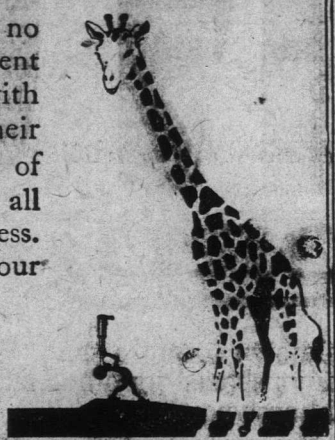
**The Abnormal Development**

of the GIRAFFE is remarkable, but the abnormal development of the demand for **SUNLIGHT SOAP** is still more remarkable. It is not known how many people have never seen a Giraffe, but it is known that there are millions and millions of careful house-wives all over the world using

**SUNLIGHT SOAP.**

These housewives no longer dread the advent of wash-day, for, with **SUNLIGHT SOAP** as their ally, they are assured of a quick despatch of all dirt and uncleanness. **SUNLIGHT SOAP** saves your clothes.

TRY IT IN YOUR  
NEXT WASH.

**How Big Guns Are Made.**

TELLING THE PROCESS FROM  
ORE TO ORDNANCE.

Ironstone, from which iron comes, has a greenish silvery lustre. The best in this country comes out of the Cleveland Hills in Yorkshire.

Each truckful, as it is raised from the mine, is weighed and checked; then the truck is pushed into a huge wheel which turns slowly over and empties its contents into a big iron railway wagon waiting below.

Thence to the furnace, and since the furnace depends on fuel, this is usually close to the coal. Also, if possible, near to the sea, for besides ironstone and coal, limestone also is essential to the reduction of the ore.

First, the ironstone is calcined in a kiln, then from the kiln it is swung up in huge lifts to the top of the tall blast furnace which burns unceasingly day and night, year in and year out.

Ironstone, coke and limestone, in their appointed proportions are flung into the great "bell" which covers the mouth of the furnace, then the bell is lowered. There is a great gush of super-heated gas, and down go the tons of stuff into the flaming heat below.

Go back to the base of the enormous pile of brickwork, and the first thing you will notice is a steady stream of white-hot liquid pouring from an opening about ten feet above ground level.

But this is not iron, merely "slag"—that is the dross which rises to the top, leaving the heavier iron beneath it. The dross is run away to the slag heap.

**A CATARACT OF FIRE.**

Four times in each twenty-four hours the furnace is "tapped." A hole which has been carefully plugged with fireclay is opened, and the iron glowing with a beautiful rosy light, comes rushing out in a cataract of fire.

Ready to receive it are numbers of little trenches made with river sand. There is a main run in the middle, and smaller ditches called "sows" running off it at right angles. Each "sow" has ten crucibles called "pigs," and here the molten iron lies until it cools into "pig iron."

Pig iron is a long way still from being steel. Such iron as is reserved for steel goes to the "melter," a huge reservoir fit to hold 2,000 tons of metal.

No need to enter here into the methods by which a small amount of pure carbon or charcoal, as well as various other ingredients, are incorporated with the iron. The process

is a long one, but when it is finished we have steel far harder than iron, but somewhat more brittle.

Steel for gun-making is made in a Siemens-Marten open hearth furnace from which ingots weighing up to 70 tons can readily be cast.

Then comes the forging of the ingot. For small guns the ingot is forged solid, but for six-inch and larger the ingot is forged hollow. The steam hammers which do the work can give blows equal to 700 tons.

**IN THE JAWS OF THE PRESS.**

Tests begin. Small pieces of the steel are cut off, hardened in oil, and pulled asunder in the jaws of a hydraulic press. The strain runs up to forty-six tons per square inch.

If the tests are satisfactory the ingot goes on to the lathe to be "rough bored" inside and "rough turned" outside.

Then the barrels are hardened by being heated in oil at a temperature of 1,500 degrees Fahrenheit. For this purpose rape seed oil is used. The cooling must be very slow, and this is managed by burying the barrels in sand.

Then comes the final boring, which leaves the barrels smooth inside and out, and next a fresh heating and cooling. This is called "annealing," and is most necessary to preserve the toughness of the steel.

Now the heart of the gun is ready, and it goes elsewhere to be built up to the required strength by adding successive layers of steel hoops. These are put on hot, and when they cool shrink into place.

Our big naval guns are all "wound." The barrel revolves on a lathe while steel tape a quarter inch wide and one-eighth thick is wound on at a tension of something like forty tons. This process gives the guns enormous strength, and entirely does away with any possibility of an accident due to any flaw there might be in the body of the gun.—Pearson's Weekly.

**Farmers!**

Book your orders NOW for Potato Manure and Potato Phosphate (for potatoes), Bone Fertilizer, Animal Fertilizer and Dissolved Bone (for all root crops), Ground Bone, Nitrate of Soda, (for hay).

The time is getting short when you will receive the above.

FRANKLIN'S AGENCIES, Ltd., Agents for Swift's Fertilizer Co. mar10/14

When stitching quilts in a hat first pierce a few holes through the stems with a hot baton. This enables them to be sewn securely to the hat by passing the needle through the holes already made, and prevents the quilts from slipping about.

Surely so powerful and curative a liniment as Nerviline offers, perfect security against pain.

Nerviline is the only guaranteed pain remedy sold in Canada. Forty years of success in many countries warrants its manufacturers saying, "If it does not relieve, get your money back."

No curable pain, not even neuralgia, lumbago, sciatica or rheumatism can resist the magic power of Nerviline. Try it to-day. Rub it on your tired back, let it ease your sore muscles, let it take the swelling and stiffness out of your joints. It's a marvel—thousands say so that use Nerviline.

The large 50c. family size bottle of Nerviline is more economical than the 25c. trial size. Buy the larger size to-day. Sold by dealers everywhere.

When the pain is very acute, Nerviline has a chance to show its wonderful penetrating and pain-subduing power. It strikes in deeply, and its strike-in-deep quality proves its superiority to feeble remedies. Then this goodness is magnified by its strength, easily five times greater than most liniments.

**War News.****Messages Received Previous to 9 a. m.**

OFFICIAL.

LONDON, March 12.

The Governor, Newfoundland: General French reports the situation between Armentieres and La Bassée materially altered by the success at Neuve Chapelle, where the Fourth and Indian Corps advanced, roughly, three-quarters of a mile on a four thousand yards front, capturing all the hostile positions and trenches and taking over seven hundred prisoners. The enemy's repeated counter-attacks were repulsed with heavy loss. Steady progress and hard fighting continues. This morning further counter-attacks were repulsed and sixty prisoners were taken. The village of Lepinette was captured in a night attack.

British aircraft have destroyed the railway junction between Courtrai and Menin.

The French Government reports further appreciable progress in Champagne.

The Russian Government reports extremely obstinate battles between the Niemen and Vistula. In the Carpathians, Austrian units have been annihilated.

HARCOURT.

**GENERAL FRENCH REPORTS.**

LONDON, March 12.

General French's semi-weekly report describing the fighting which led to the capture of Neuve Chapelle, is as follows: Since my last communication, the situation on our front between Armentieres and La Bassée has been materially altered by successful initiative on the part of the troops engaged. Shortly after 8 a.m. on March 10th, these troops assaulted and carried German trenches in the neighborhood of Neuve Chapelle. The co-operation between the artillery and all branches of infantry was very good, with the result that the losses incurred were not great in proportion to the result achieved. The mutual support which individual battalions afforded each other during the operations was a marked feature of the attack. Our heavy artillery was very effective. Apart from the suggested results, prisoners statements confirm the accuracy of our fire and the damage caused by it. Before noon we captured the whole village of Neuve Chapelle. Our infantry at once proceeded to confirm and extend the local advantage gained. By dusk the whole labyrinth of trenches on the front of 4,000 yards was in our hands. We had established ourselves about 1,200 yards beyond the enemy's advanced trenches. The number of German prisoners captured and brought into headquarters during the day was 750. There are probably more to come in.

During the 11th the enemy made repeated efforts to recover the ground lost. All his counter-attacks were repulsed with heavy losses. We continue to make steady progress, and hard fighting continues. The local initiative displayed by our troops daily is admirable. It says much for the spirit which animates the Army. The success achieved on the 10th and 11th form a striking example.

**THE BRITISH VOLUNTEERS.**

PARIS, March 12.

At least five thousand men were lost by the Germans when they were defeated at Neuve Chapelle by the British on Wednesday, according to a despatch received to-day from St. Omer. This report is corroborated by another despatch to the Echo de Paris. Major Cizeaux, writing for the Matin, declared that the battle was the baptism of fire for Kitchen's army. The British Volunteers, he said, made a historic entry into the firing line, winning the battle.

**ANOTHER SUBMARINE GONE.**

LONDON, March 12.

The destruction of the third submarine, lost by Germany within a week, was reported by the captain of the trawler Alx. Chase, upon her return to North Shields to-day. He stated that the craft was apparently trying to ram his vessel on Thursday night, when she sank. The captain's report was immediately transmitted here by the trawler's owners.

**COMMENT OF AMERICAN PRESS.**

NEW YORK, March 12.

Commenting editorially on the sinking of the American sailing ship William P. Frye, by the German cruiser Prinz Eitel Frederick, the New York Herald declares that "it was an act of vandalism that escaped a charge of piracy mainly because no lives have been sacrificed. This affront to our national dignity and this contempt for the rights of our citizens demand not only an apology, but satisfaction." The Tribune says, "It was a gross violation of neutral

**SHOOT A GREENER!**

single barrel Trap Gun and watch your scores climb. No dusted birds, no misses through patchy patterns.

Greener Pigeon Guns have been winning Live Bird Events for the past forty years all over the world.

The Greener Single Barrel Hammerless is an ideal gun for trap shooting, well balanced, ventilated rib, large grip, 30 or 32 inch barrel, guaranteed to throw 75 per cent. patterns. Price delivered Montreal.

\$100.50.

Catalogue 105 mailed free.

**W. W. GREENER,**

Gun and Rifle Maker.

63 and 65 Beaver Hall Hill,

MONTREAL, P.Q.

rights on the high seas to jettison the wheat which the Frye carried and then to destroy the vessel." The Tribune adds that President Wilson pledged himself to take any steps necessary to safeguard American lives and property and to secure to American citizens full enjoyment of their acknowledged rights on the high seas. That pledge should now be made good. The Times says, "unless promptly dissavowed, the unwarranted sinking of the Frye will add another grave offence to a list already too long." The World says, "Germany's own note to the United States of Feb. 18th, leaves Germany without legs to stand on, and makes the act of the Prince Eitel's commander a deed of wanton lawlessness."

**EXPECTS TO START BOMBARDMENT.**

LONDON, March 12.

It is learned through diplomatic sources in London that the Russian Black Sea Fleet is expected to start the bombardment of Bosphorus Port to-day, in co-operation with the allied fleet, which is attempting to force its way to Constantinople through the Dardanelles from the south.

**AMERICAN AVIATORS FOR FRANCE.**

PARIS, March 12.

Le Journal announces that Glen H. Curtis and three other American aviators have arrived at Pau to serve with the French Army during the war.

**HERR VON MULLER RESIGNED.**

LONDON, March 12.

A special to the Daily Express from the Hague says that Herr Von Muller, the German Minister at the Hague, is leaving his post because of his indiscretion, when talking to a German friend, in saying that Germany made a terrible blunder in attacking Belgium. This statement reached the ears of the Imperial Chancellor, who telegraphed Von Muller to send a denial of the report or his resignation.

**DURANGO LEFT.**—The Durango, Capt. Chambers, left Halifax for this port at four o'clock yesterday afternoon.

**MRS. LYON'S ACHEs AND PAINS**

Have All Gone Since Taking Lydia E. Pinkham's Vegetable Compound.

Terro Hill, Pa.—"Kindly permit me to give you my testimonial in favor of Lydia E. Pinkham's Vegetable Compound. When I first began taking it I was suffering from female troubles for some time and had almost all kinds of aches—pains in lower part of back and in sides, and pressing down pains. I could not sleep and had no appetite. Since I have taken Lydia E. Pinkham's Vegetable Compound the aches and pains are all gone and I feel like a new woman. I cannot praise your medicine too highly."—Mrs. AUGUSTUS LYON, Terro Hill, Pa.

It is true that nature and a woman's work has produced the greatest remedy for woman's ills that the world has ever known. From the roots and herbs of the field, Lydia E. Pinkham, forty years ago, gave to womankind a remedy for their peculiar ills which has proved more efficacious than any other combination of drugs ever compounded, and today Lydia E. Pinkham's Vegetable Compound is recognized from coast to coast as the standard remedy for woman's ills.

In the Pinkham Laboratory at Lynn, Mass., are files containing hundreds of thousands of letters from women seeking health—many of them openly state over their own signatures that they have regained their health by taking Lydia E. Pinkham's Vegetable Compound; and in some cases that it has saved them from surgical operations.

**Flannelettes!**

All You Who Buy of Flannelettes should come to Our Sale this week. Pinks, Creams, Mottled and Striped, in fact our entire stock of Flette at very tempting prices.

**A. & S. RODGER**

55 Water St.

**NEW SHIPMENT of BABY CARRIAGES 1915 PATTERNS.**

These Carriages have just arrived and include the very latest in style and workmanship. Come early and make your choice.

**Folding Go Carts,  
Folding Runabouts,  
Pullman Runabouts,  
English Carriages.**



All well finished and upholstered in various colors. Also in stock: Wheels, from 10 to 16 in. diameter.

**Ayre & Sons, Ltd**  
HARDWARE DEPARTMENT.

**For SPRING 1915**

LATEST FASHIONS IN

**LADIES' COATS!**

Exquisite Shades. New Designs.

**\$3.95** each.

WORTH UP TO \$8.00 EACH.

NOTICE WINDOW.

**S. MILLEY.****Flannelettes!**

All You Who Buy of

**Flannelettes**

should come to Our Sale this week. Pinks, Creams, Mottled and Striped, in fact our entire stock of Flette at very tempting prices.



**A. & S. RODGER**