

ALLIES CONTINUE TO CRUSH ENEMY

BEAT OFF COUNTER ASSAULT BY GERMANS—FIELDS OF STRIFE COVERED WITH DEAD AS TERRIBLE BLOW IS BEING DEALT.

London, April 18.—After bearing off German counter assaults the Anglo-French steam roller again smashed forward today, taking strategic roads, fortified villages and dominating heights from the Teutons all along the line.

Russian soldiers are fighting with French in the terrific drive against the Germans in Champagne.

From the Lens-Loos section, where Field Marshal Haig's army is crushing the German positions, to the St. Soup let-Auberive line, in Champagne, more than 150 miles away, the guns were flaring all night and the Allied forces cut deeper and deeper towards the heart of the Hindenburg line.

Since the British push opened on April 9 the Anglo-French forces have captured 30,000 German prisoners, counting the 2,500 taken by General Nivelle's men in the fighting yesterday.

All reports agree that the engagement which developed on the line from Soissons to Auberive is one of the fiercest since the beginning of the war. During the past 24 hours the French have been driving home their attacks in storms of rain and snow.

It is estimated that the Germans concentrated about 20 divisions (400,000 men) along this front and the most determined efforts were made to check the French advance north and south of the Aisne river.

Dispatches from Paris today quote military criticism as predicting that the Allies are "on the threshold of their biggest victory since the Marne." It is evidently the hope of the French and British high command to break up the whole Hindenburg line, driving the Germans from Lille, Loos, Douai, Cambrai, St. Quentin and Leon to Belgium and the German frontier.

The retirement of the Germans on both sides of Rheims has left a salient in that sector and there is danger that this historic and ancient French city may be battered to pieces by the artillery duels which rage round it night and day.

Wounded soldiers arriving in Paris from the Aisne battlefield and German prisoners picture the field over which Monday and Tuesday's fighting raged as an inferno of noise and confusion. Amidst the clamor of thousands of cannon and machine guns and countless thousands of rifles the armies surged back and forward in the reeking mud and blood of fallen soldiers. And the days were gray and sunless, the battle smoke adding to the pall. Corpses were everywhere. Small craters and crumbling trenches were piled up with them. Darkness brought no lull for the fighting continued beneath the light of star shells.

ANOTHER OFFER OF MOTOR-BOATS TO UNITED STATES

St. Louis Men Ready For the Work of Submarine Chasing.

St. Louis.—More than a score of motorboat owners of this city have offered their services and their boats to the navy, it was announced by Nelson Thomas, secretary of the St. Louis Yacht club. Some of the boats are large and swift enough to be used for submarine chasers, and others are of such construction that anti-aircraft guns can be mounted on them for harbor duty.

Albert Bond Lambert, a wealthy aviation enthusiast, and 125 other expert fliers of this city are at the service of the country, the offer having been made a short time ago.

A number of St. Louis manufacturers are advertising for girls to enter their factories and learn the work in order that a large number of men may be released for service. The Western Union has established a class for the training of girl operators and already has an enrollment of fifty, which will be raised to 200 if possible. The chamber of commerce began the enrollment of all able-bodied men in this district.

Awkward.
A pretty schoolteacher, noticing one of her little charges idle, said sharply: "John, the devil always finds something for idle hands to do. Come up here to me and let me give you some work."

The Wanderer

Novelized by William A. Page From Maurice V. Samuels' Great Biblical Drama of the Prodigal Son, Presented at the Manhattan Opera House, New York

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NAVAL MILITIA, FIRST IN WAR SERVICE, BOARDS VESSELS IN PHILADELPHIA YARDS



NAVAL MILITIAMEN FIRST OFF FOR ACTIVE SERVICE

Fifteen hundred of the country's naval militia, first of the militia forces in all likelihood to see active war service, have arrived at the Philadelphia navy yard for active service with the fleet. The first contingent to arrive was that drawn from Yonkers, New Rochelle and New York city. They were placed on board

the Ohio. Three hundred members of the militia from Erie, Pa., marched down Broad street, Philadelphia, to the navy yard with band playing and flags flying. Three hundred men from Camden were placed on the Kansas, which is to be an all-Philadelphia ship. Five hundred men arrived in Philadelphia from the United States training

school on Lake Michigan. The neighborhood of the navy yard is crowded with relatives and friends of the men who have arrived for war service. The New Yorkers, some of whom are seen in the picture, made a great impression on the navy men in the Philadelphia yard. They had a stern, business-like appearance and seemed well trained.

ARMORED VESSELS

How the Great Steel Plates That Protect Them Are Made.

A SEVERE TEST OF SKILL

The Various Processes That Produce the Conflicting Properties Necessary in These Modern Projectile Resisting Warship Jackets.

Only armored warships could live in a naval battle with modern big gun projectiles in use, and hence the making of armor plate has become a science. The manufacture of armor plate has developed considerably in recent years, and in no branch of the steel industry is there greater opportunity for engineering and mechanical skill, coupled with metallurgical knowledge, than in the operations of forging and rolling, followed by the exact heat treatment essential to produce the almost conflicting properties necessary in modern armor.

The plate must be hard, glass hard, to resist penetration by heavy projectiles moving at tremendous velocities, yet tough and fibrous enough to take up the momentum without cracking or distortion. Mechanically, then, the plate must have an extremely hard surface and a fibrous backing. These requirements were attained in part by the old compound armor. Molten steel was poured on to a wrought iron plate and cooled. The slab was then reheated, forged and rolled to the required dimensions. If the operations were successfully carried out the line of demarcation was scarcely visible.

Recently a modification of this process was introduced to cheapen and render less tedious the production of armor. A layer of hard steel was poured into a cooled mold, the underside quickly setting. On the still fluid or pasty surface a thick layer of soft steel was poured. By careful manipulation the union of the surfaces was almost complete, and it was impossible to detect the break in composition on viewing the fractured section. This method of manufacture was undoubtedly an improvement on the old compound method.

The increasing size, velocity and hardness of modern armor piercing projectiles have necessitated the introduction of the modern armor. The process of manufacture essentially consists in case hardening to a depth of about two inches the surface of a homogeneous tough nickel chrome steel. Special air or self hardening nickel and more complex steels are used for lighter armor, gun shields and cast armored structures.

The steel is made in Siemens furnaces and carefully cast into ingots up to eighty tons in weight. These ingots are then slugged under powerful hydraulic presses (18,000 tons) or rolled direct to the required dimensions, depending on the power of the mills and appliances. During the rolling operation, which lasts about an hour, the slab is reversed and inverted to attain uniformity of working, and scale is removed by wood fogots and water jets. After rolling the plate is

put face to face, separated by a layer of the carburizing reagent if it be solid, or if gaseous hydrocarbons be used the plates are slightly separated, to allow free passage for the hardening gases, by bricks arranged in rows. The plates are maintained at redness in a car furnace for three weeks and withdrawn after the hardening carbon has penetrated to the required depth. The plates are thus carburized and so made capable of being hardened, but they are not yet actually hard. At this stage all holes are drilled and plugged, and any bending or machining necessary is carried out.

From this point onward the treatments differ. Some makers insist on heating and quenching in oil or water to remove any coarse structure that may have been formed during the long annealing while carburizing. The next essential operation is that of hardening, and this is usually carried out in one of two ways. Either the plate is uniformly heated to the hardening temperature and quenched by a series of water jets playing on the upper surface with sufficient force to prevent the formation of steam or by a process known as "differential quenching," by which the carburized surface is heated to a temperature from which it will harden and the under side kept well below, maintaining a gradual fall in temperature from the top to the bottom. The whole plate then immersed in water, the hotter surface alone being hardened, while the back is toughened. Further mechanical operations can be carried out only by grinding or cutting with oxyacetylene, as the plate has now undergone the treatment conferring maximum hardness.

In resume, it will be noted that there are three distinct operations in modern methods of manufacture—the mechanical working of the plate to the required dimensions, the carburization of the surface, quenching the carburized surface to harden it. These operations call for exact manipulation, supervision and control, for the skill of the engineer and metallurgist may be put to the severest tests, not of the laboratory or the testing machine, but out in the "gray mists," when failure of a unit may imperil the safety and cohesion of the whole.—Chambers' Journal.

One that confounds good and evil is an enemy to good.—Burke.

Norway's Capital.
The name of Christiania dates back only 200 years. The city which preceded it was Oslo, the site of which is now included in the area of Christiania. Oslo was the ancient capital of Norway and existed some 600 years before its name was changed to Christiania, in 1624, after Oslo had been destroyed by a fire. King Christian IV, resolved, in spite of the protests of the citizens, that the site of the capital should be moved a couple of thousand yards westward to be nearer the fortress of Akershus and at the same time decided that the town when rebuilt should be named after himself.

Her Great Fear.
"What is it that makes you so nervous, dear?"
"Why, Jack is to have an interview with papa this afternoon."
"I see, and you are afraid your father won't give his consent?"

Giant Spider Crab.
The giant Japanese spider crab is the ugliest looking shellfish in the world. Its body measures about one foot across, and the claws have a "spread" now and then of over twelve feet. These spider crabs inhabit the Japan sea and often live 2,000 feet below the surface of the waves.

Bobby's Reason.
"Why did you spell 'bank' with a capital, Bobby?"
"Cause pa says a bank ought always to have a good big capital."—Boston Transcript.

Yes, indeed.
Blossis—The average wife tells her husband everything she hears. Blossis—And a lot she doesn't.—Philadelphia Record.

BRING US Your Old Hat

For a Few Cents We Thoroughly Clean and Reblock it—Make It Look Like New.

MEN'S HATS.
Stiff 35c Straw 35c
Soft 50c Panama 75c

LADIES' HATS
Cleaned, Reblocked and Dyed Any Color, 50c and 75c.

SHOES DYED BLACK.
Tan, White, Gray or Any Color, Dyed Permanent Black, 35c.

Bring them to any of these three shoe shining parlors:

Corner Jefferson and La Salle Sts.
107 Madison, east of Interurban Sta.
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ALL WORK GUARANTEED.

HE IS NOW HERE!

OUR NEW EXPERT

Candymaker

Alex Fakos is the man who is a leader in his line. He has worked in the best stores of New York and the middle west. He makes everything in candy and makes it well. Already he has sprung some delightful surprises on the people of Ottawa and vicinity and there are more to follow. We are now introducing some delicious confections new to this section, and we want you to try them.

"Spanish Pride," "Ladies' Delight," "Lunch Caramels," "Calif. Fruit," "Fruit Rolls," "Charlie Chaplin," "Sea Foam Kisses."

We guarantee best materials and strictly sanitary conditions.

TRY OUR PURE HIGH GRADE ICE CREAM.

COLONIAL Chocolate Shop
718 La Salle St., Near Crescent

SALESMAN'S WIFE HAS FIRM BELIEF FOLLOWING TRIAL

"TANLAC HAS GIVEN ME HEALTH AND I'M SURE IT WILL AID OTHERS," MRS. PATTERSON ASSERTS.

Freeport, Ill., April 18.—"Tanlac has given me health and strength and has put me in condition to do my housework properly and I want to recommend it for others," Mrs. J. G. Patterson, 38 Douglas avenue, wife of a traveling salesman for a Perry, Iowa, manufacturing concern, said on March 21.

"I was in such a nervous run down condition that I felt tired all the time," Mrs. Patterson continued. "I didn't feel like doing my housework and the little work I did do was simply drudgery. I was so nervous that I couldn't stand any noise of any kind."

"I read about Tanlac in the newspapers and decided to give it a trial. Tanlac has built me up in every respect and has benefited me in every way. I sleep soundly and peacefully at night now and get up in the mornings feeling fine and strong. My work is getting to be a pleasure to me now."

"Tanlac has helped me so much that I am sure it will aid others and I want to recommend it."

There is no season of the year when Tanlac can be taken to better advantage than right now. All mankind, after weathering the storms of winter, is in need of an uplifting tonic. Tanlac has proven the reconstructive tonic without a peer. It cleanses the system, purifies the blood and gives new strength and vigor. It also is very beneficial for stomach, liver and kidney trouble, catarrhal complaints, nervousness, sleeplessness, loss of appetite and the like.

Tanlac is now being introduced in Ottawa at W. D. Duacan's drug store where a special Tanlac representative is explaining the new medicine to the public daily. Tanlac also is being introduced by experts in La Salle at Clancy's drug store and in Streator at the Gant Drug Co., and is sold in Peru at Nadler's drug store and in Spring Valley at Thompson's drug store.—Ad.

The Culprit.

A schoolteacher complained to the principal one day that one of the big boys was flirting outrageously with the music teacher, who came in once a day. The principal spoke severely to the class and ended by saying that out of consideration for the feelings of the culprit he would not name him in public. At the close of the session, however, he was to come to the principal's office for an interview.

Yes, you guessed it. All the boys in the class showed up.—Chicago News.

Practical Health Hint.

Catarrhal Jaundice.
The most common form of jaundice is that known as catarrhal jaundice because it is caused by an inflammation of the mucous membrane of the bile ducts. That affection is usually the result of some indiscretion of diet or of exposure to inclement weather. Sometimes the symptoms are very slight.

The patient merely feels a little out of sorts or bilious; he loses his appetite, his tongue is furled, there is perhaps a little nausea, and his bowels are sluggish. He hardly regards himself as sick and is quite surprised to be told that he has grown yellow. The yellow color affects the whites of the eyes as well as the skin, and sometimes it is almost entirely confined to the eyes.

The treatment of this form of jaundice is simple. A light diet, a blue pill or a dose of salts and rest in bed for a day or two will usually suffice. If the symptoms persist consult a physician, for they may be the first indication of some grave liver trouble. Indeed, it is safer to consult a physician at once and let him take charge of the case from the very start.

State of Ohio, City of Toledo, Lucas County, ss.

Frank J. Cheney makes oath that he is the senior partner of the firm of F. J. Cheney & Co., doing business in the City of Toledo, Ohio and State of Ohio, and that said firm will pay the sum of ONE HUNDRED DOLLARS for each and every case of Catarrh that cannot be cured by the use of Hall's Catarrh Cure.

Sworn to before me and subscribed in my presence, this 6th day of December, A. D. 1886.

A. W. GLEASON, Notary Public.

Hall's Catarrh Cure is taken internally, and acts directly on the blood and mucous surfaces of the system. Send for testimonials free.

F. J. CHENEY & CO., Toledo, O. Sold by all Druggists, 75c.

California and the End of a Delightful Journey

Your journey's end in golden California is a fitting climax to the delights of a trip on the "Golden State Limited" or "Californian"—superb limited trains. En route—El Paso, now the military center of the United States, Douglas, with its giant smelters, Bisbee, the unique mining town, the Old Apache Trail and Roosevelt Dam. Over the direct line of lowest altitudes to Los Angeles.

No quicker time—no better service via any route to Southern California.

Route of the United States Mail

For a wonderful, thrilling journey, go to California on one of these famous trains.

Automatic Block Signals
Finest Modern All-Steel Equipment
Superior Dining Car Service

Tickets, reservations, information on request, WARREN COWLES, Division Passenger Agent, Peoria, Ill.
R. A. LYNCH, Agent, Ottawa, Ill.

En route—the great military encampments at El Paso—largest since the Civil War—a thrilling and continuous panorama every loyal American should see.

HOT WATER Unlimited Quantities

is available from any hot water faucet any time, day or night if the house is equipped with an **AUTOMATIC WATER HEATER**

The operation of creating a high temperature quickly in the circulating water in the machine's copper coils, by means of a strong gas flame, is begun by the opening of any faucet and hot water continues to flow while the faucet is open. When you close it the gas flame is again reduced to a glimmer and the machine is ready to respond to the next demand for hot water.

Numerous discriminating buyers in this town have installed in their houses this machine that secures hot water on tap. Most of them purchased it on the plan of **Monthly Payments** That plan is in operation now.

Public Service Company of Northern Illinois

Our Unlisted "Asset:" GOOD WILL

The "good will" of a business has been expressed in figures and sold with the business. It is the biggest single asset any business can have.

If the "good will" of this bank enjoys from its customers could be expressed in figures and added as an asset it would increase its resources probably more than fifty per cent.

Good Will springs from the "care free" feeling our customers enjoy, as to the safety of their funds and from the spirit of good service which makes every customer one of us—his interests ours.

Such "Good Will" cannot be built in a day. The First National Bank pays attention to the little details that help make the customer's account profitable.

It is building for all time. Build with it.

The First National Bank

Ottawa, Illinois