

ARTILLERY IS STILL WAR'S DECIDING ARM

FRENCH EXPERT SAYS IT WILL HOLD PLACE IN NEXT WAR.

140,000,000,000 Francs Was Spent by France in the Last Conflict.

Artillery will be a deadly factor in the next war just as it was in the last, according to Gen. Gaston Gasconin, head of the French branch of the Standard Oil Company and director of transport for the French army during the war, who has prepared a report on France's wartime manufacturing effort for the Society of Civil Engineers.

Gen. Gasconin, who is a firm believer in preparing for war in time of peace, says that the nations should not be misled by the frequently made statement that cannon have become obsolete, as the last war proved that it is impossible to have too many of them.

Statistics compiled during three years of study of the question of by what means the soldiers in the various French hospitals were wounded show that in 1917 77 per cent. were due to artillery fire. But this dropped to 55 per cent. the following year, due to the diminution of guns, while the infantry wounds jumped for the same period from 17 to 35 per cent.

Early Casualties of War.

Other wounds caused by such agencies as grenades, flames, and gas, in the same period increased from 6 to 10 per cent. Gen. Gasconin takes this opportunity to kill the legend that during the first four months 600,000 Germans were killed on the western front, while the French losses were only 400,000. Of these only 100,000 on each side were killed by infantry fire, the French 75's with their high explosive shells taking off nearly 500,000 Germans in the first mad rush toward Paris.

The report shows that a tremendous financial effort was involved in France's conduct of the war, the total expenditure reaching 140,000,000,000 francs, of which 25,000,000,000 went for munitions, 17,000,000,000 for engineering and aviation material, 2,000,000,000 for artillery, 4,000,000,000 for rifles, 12,000,000,000 for transportation, 50,000,000,000 for the upkeep of armies and 80,000,000,000 for incidental civilian expenses due to army operations.

The munitions totaled nearly 6,000,000 tons, the average weight of each shell being 50 pounds—therefore 300,000,000 shells were fired by infantry and artillery combined. To manufacture these munitions during the four years of the war required 5,000,000 tons of steel, 3,500,000 tons of iron and other metals and 1,000,000 tons of explosives. In the manufacture of these munitions 3,000,000 tons of fuel were required.

With the natural progress toward artillery power and efficiency the next war will demand a far greater output, estimated at present as at least 2,000,000,000 tons of steel a year and at least 2,500,000 tons of coke a year. Should a war break out to-morrow France would not be embarrassed in this respect. Gen. Gasconin believes, as now, that the coke furnaces in France have been restored as well as the coal industry in Pas de Calais—ample supplies are available.

Voices of the Voiceless.

The fields were full of summer sound: The lambs were gaily bleating; Small birds were gossiping around; Their joyful news repeating; In tones vociferous clear, Rooks chattered overhead.

"Sweet creatures! How I love to hear Dumb animals," she said.

And as they parleyed, each with each, Their thoughts and fancies showing, It seemed as if some flood of speech This earth were overflowing;

Methought with every breath that moved A gift of tongues was shed.

"How beautiful! I've always loved Dumb animals," she said.

—Henry S. Salt

Over the Line.

There's some difference between being thrifty and being mean," said Mrs. Carler, on her return trip from the village, "but there's not so much difference as there might be sometimes. Folks seem to think Bill Gates has stepped over the line on to the wrong side."

"I knew he would some day," said Mrs. Mahitabel, briskly. "What's he done?"

"He took a mouse-trap from St. New-ton's store 'on approval' last month," said Mrs. Carler. "He kept it nearly five weeks, and yesterday he fetched it back to St. and said:

"Well, I've caught 'em; it worked all right, but there wa'n't but two, St. I caught 'em the first day, and I've waited ever since to see if there'd be any more. There are not, so you see I've got no use for the trap. Let's see, you said the price was ten cents, didn't you? If I pay you two cents for hire and give the trap a good recommendation, 's'pose that'll be fair, won't it?"

To do the right thing in the wrong way is not right.



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Queen Anne's Lace.

Up through the rocky pastures, Where the blackberry globes hang low.

A stately dame has come wandering Back from the long ago—

Back in her sable velvet, With its shimmers of ancient lace,

In its pearls and curls and ribbons That mock her weary face.

What says my Lady Marlborough, As the Queen goes here and there?

Is not dame Abigail angry? (She has those robes to wear).

While as the bloom of the berry, Fine as the cobweb's trace,

Scattered on thorn and bramble, Glistens our Queen Anne's lace.

Far and wide o'er the meadow It shines where the sunbeams fall,

It waves where the brooklets ripple, It droops by the old stone wall;

Wherever the Queen may wander, Tired of court and crown,

Her way is marked by the lily lace The briars tear from her gown.

—B. M. Powell

Night Trains.

Like wind, across the stillness comes An engine's purring, first remote,

Between its wooded banks it hums With mounting rhythm to a note

Of throbbing clamour. Then with shrill, Sharp shrieks hurli'd to the sky, it

draws A Titan breath, and, climbing still, It takes the tunnel. — There's a

pause.

And then a smothered droning sound That swells up to a sudden burst

When, with a roaring, clanking bound The train leaps out; and wide dis-

persed, Tumultuous echoes rise and roll— As down the hill it rushes on

And on toward its distant goal, Round a far curve, and then is gone.

—B. M. Powell

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From End to End of Canada Dr. Williams' Pink Pills Doing Good Work.

There is not a nook or corner in Canada, in the cities, towns, villages and on the farms, where Dr. Williams' Pink Pills have not been used and

from one end of the country to the other people sound their praise. You have only to ask your neighbors and

man, suffering woman, ailing youth or unhappy anaemic girl who owes their present health and strength to Dr. Williams' Pink Pills. The success

of this medicine is due to the fact that it acts directly upon the blood, making

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weak nerves, begin taking Dr. Williams' Pink Pills now, and note how

your strength and health will improve. You can get these pills through any

dealer in medicine, or they will be sent by mail, post paid, at 50 cents a box

from The Dr. Williams Medicine Co., Brockville, Ont.

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Canada's Oil Refineries

With the exception of the United States, Canada ranks as the greatest user of automobiles in the world, on the basis of population. The amount of fuel which these metal vehicles annually consume is millions of gallons, and to supply this enormous demand a very extensive and lucrative industry has been built up in Canada. According to the Dominion Bureau of Statistics there were in operation in Canada in 1918, 10 petroleum refineries, three of which are located in Ontario; three in Alberta; and one in each of the provinces of Nova Scotia, Quebec, Saskatchewan and British Columbia.

Capital invested in these various refineries during the fiscal year 1918 amounted to \$35,745,410, of which \$23,535,257 represented land, buildings, fixtures, machinery and tools. Bills