

Choked Drains
and Disinfects
Old Paint
Soap



The Two-Hour War

The New Republic Magazine Carried An Article Recently That Gives a Vivid Picture of What the Next War Will Mean

By STUART CHASE

On August 13, 1928, the "Northern Power" opened its attack on London. Seventy-five airplanes, each carrying 500 pounds of "bombs," swooped down upon the city from the northeast. They were met by an equal number of defense planes, by batteries of antiaircraft guns, by an extensive balloon system—by every known defense against an air attack. But within less than 30 minutes after crossing the coast-line, the defense planes had been eluded, the attack had centered directly over London, "bombs" had been dropped on predetermined targets and the attacking force was whirling back into the north without a casualty.

Every specified objective was honored. Fifty thousand pounds of incendiary explosives were dropped through 16,000 feet, with the accuracy of an fire. Had these 25 tons of bombs been filled with incendiary chloroform, half the population of London, men, women and children, would have been wiped out.

This whole drama, to be sure, was minute warfro, but it was carried out with great care. And he results I have cited are the sober conclusions of ardent. All known methods of defense were helpless before 75 pilots. No single attacking plane was lost. Incendiary what might be done with 500 planes—a force that every one of the leading nations can readily mobilize, France for instance, is now in position to bring 1,000 planes into action at the call of the radio. These are at least four varieties of poison gas against which no mask is of protection. Gasoline benzene is in the possession of all the great powers, a gas so terrible that many even admit to reporters that they do not see how they could bring them selves to use it. Government purchasing agents can also take their choice of bombs filled with deadly phos or benzene, or with a thorax for the extermination of milk cows and horses. Meanwhile the "raumion" aircraft just discovered, is a more powerful explosive than TNT, and with a newly invented motor compound, a 400 horse-power airplane can be built so light that it can easily pick it up.

Now that war has started, In Britain, Canada, a thousand men climb into the cockpits of their aircraft. A sharp signal, an hour or two of flight, a little steering, dropping and dousing, as the defense planes rise, a usually or too as the rafting action of the anti-aircraft guns tries valiantly to fill a space 100 miles square in four miles deep, one hundred roar as another as the bombs are dropped per schedule and so, to all intents and purposes, the civilization founded by Bacon, Newton and Watt to the world comes in something like heaving to a coke. Finished and in London, Liverpool, Manchester, Bristol—each now vanishes from the list of habitable places on the planet. Not even a rat, not even an ant, not even a roach can survive; every living thing has ceased to breathe, by virtue of diaphyl chloroform.

Airplane, in effect, has reduced all other war weapons—batteries, torpedoes, tanks—to so much scrap metal. The only thing it cannot be used for is submarine with a hundred feet of ocean over it. Yet a good submarine costs about \$5,000,000. It requires a crew of 30 men; its speed does not exceed 20 knots an hour submerged and it is not a very swift shooter at best. A good airplane may be had for \$5,000, its crew is not. It can travel at 200 miles an hour and it can drop a bomb with remarkable accuracy.

In short, it hardly pays to discuss any mechanism of warfare except the airplane. It is more deadly than any other weapon, all factors considered, and it is cheap. It can be built in a few days and its cost, relatively speaking, is trifles. The primacy comes, as I see it, from the fact that it can operate in three dimensions, where all other weapons are limited to one or two. A submarine can operate in three dimensions but only by slow and cumbersome rollings, nor can it fit much of a belligerent nature to operate upon, except sharks.

For a three-dimensional offense there is only the spiritiest kind of defense, that is, the attack on London showed. Some geniuses has suggested that piano wire be suspended from balloons to trap an air offensive. He could receive a prize from a comic weekly. And these blustering pictures of anti-aircraft guns in the Sunday supplements, together with accounts of their range and accuracy, are an insult to the intelligence. The only way to keep airplanes out of a metropolis is to have enough anti-aircraft guns to fly 140 cable miles electrically with steel splinters and TNT. This would involve first, a fantastic number of guns, and second, grave discomfiture for, if not the patriotic shanty of the metropolitan population, who could just move the streets without umbrellas of heavy steel.

Military strategy, however, has an answer for the three-dimensional attack. And so, the instant the thousand planes leave Hamburg for the cities of England, 1,500 planes leave London for the cities of Germany. Their ways may cross, but, owing to the slipperiness of space and to the limits of each squadron to be on its way, the casualties will be few, and the end of two civilizations, instead of one, not long delayed. As such things go, another ten minutes at the outside.

There is at least one good thing to be said about the next war: it will not keep us long on edge. We shall not have to worry about finding the money for Liberty Bonds, or wonder whether George is going to get his

commission. The whole business will be over in a couple of hours. With lungs full of diaphyl chloroform, we shall not need to worry about anything ever again. Personally, though it may be contrary to the code of the sportsman, I know when I am beaten. And against a three-dimensional war-machine, I have no confidence or anything except that the unique association of electrons which comprise myself is about to form new and interesting chemical combinations.

The persons capable of imagining a general holocaust in advance are so few, and of such slight influence, that the world will not realize what it now faces until it has faced it, in a "fait accompli." Then, and not until then, realization will come—possibly, as the extras bring one incredible horror after another, it will come very fast. A few days, perhaps after the two bellwethers have been laid to rest, the neutral world will be in a sufficient state of shock to see that this sort of thing must stop forever.

The surviving West, together with the East, will then banish the machine from war—which means, of course, the banishment of war. Or so the conclusion hangs, neatly balanced between the hope and the belief,

Caught Napping

According to a "Gossips" column, the afternoon nap of our grandmothers is now becoming the rage for the Bright Young Thing today, who is worn out with her all-night junketing.

Young girls of the moment whose shoes

are constantly tapping. Whose language runs riot, and who's son Gom-chaser endlessly tapping. Can it really be true?

What they're hinting at you? And shall we at last catch you napping?

So vital of late years you've been. So absurdous when you go napping. With intent, as is plain to be seen.

The licence of age to be camping—

And now your high jinks.

End in twenty twenty winks.

Every afternoon, when you're caught napping.

For the manner of life which today You're napping in your teens begins

spending.

A great many moralists say,

That what you want's a jolly good shapin'.

But we took you (instead of

Of a spanking) in bed.

Since all babies are born for

napping. —Daily Herald.

—

The army should take only mace.

"Why?"

"Because they're trained orders, of course."

—

Tom is a vito insect!"

"Send him some insect powder—he may take the hint."

—

An English writer advises young

women to look favorably upon those

engaged in horticultural pursuits,

assigning as one reason

that their mother

Eve was a gardener. He got to add that in consequence of the flower.

This is a hard annual about

two feet high, producing large dif-

ferent-coloured blooms, through man-

uals of bloom for indoor decoration.

This regret, however, will be tem-

pered if provision is made now for

the growing of certain flowers, the

blooms of which can be dried and

will last indefinitely. Chief among

these is the helichrysum, a straw-

berry, which is being pro-

duced, which will grow well in soil.

Where one gets a load of the

ordinary manure, he must be prepared for

a fresh crop of weeds. Sheep manure

is another advantage. In

that it is located white being pro-

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The deadly citrus fly has made

its appearance in Florida, but

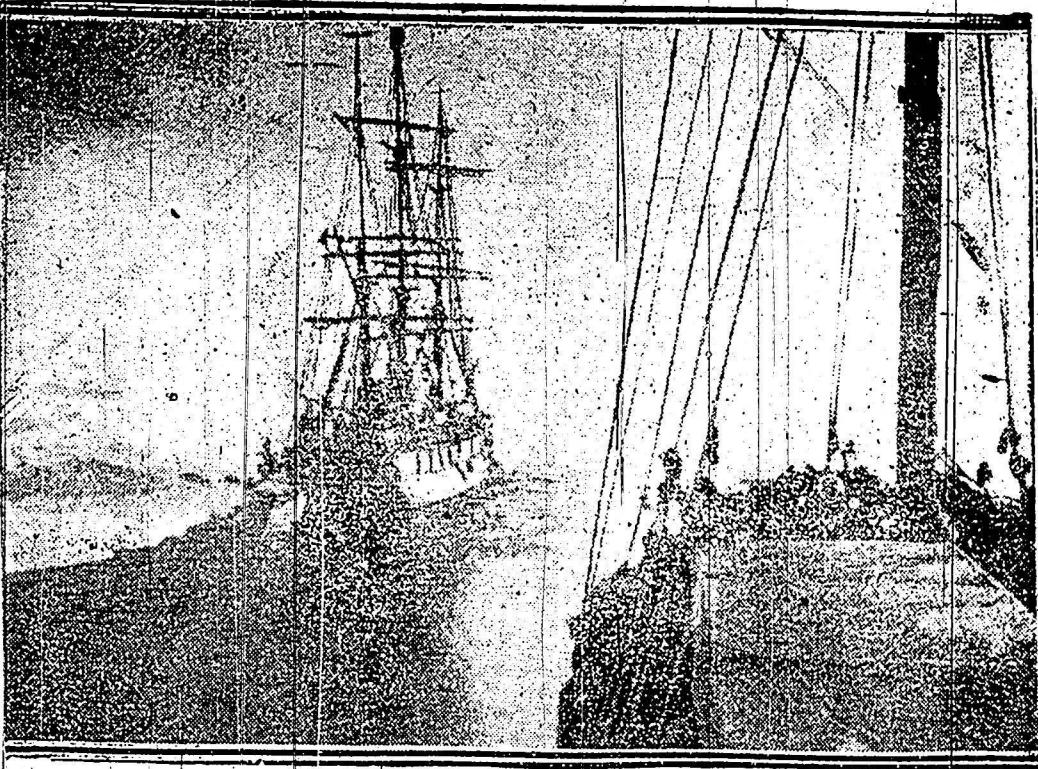
for to know that no matter what hap-

pened the orange drink industry will early fall as well. For preserving the

orange juice in cans will be well.

The New Yorker

The Romance of the Byrd Antarctic Expedition Visualized



PHOTOGRAPH FROM THE ANTARCTIC SHOWS BYRD NEARING HIS GOAL

A view from one of Commander Byrd's ships on his Antarctic expedition, showing the flagship approaching the great ice barrier, which can be seen dimly in the distance.

Garden Service

All the Latest Wrinkles for the Amateur Gardener to Help Make the Home More Beautiful

Flowers for Shady Corners

In some dark, warm place to dry. The Chinese lantern-plant, which is a sort of an ornamental variety of winter cherry, is also grown for permanent indoor decoration, as the pods turn bright red and puff up like Chinese lanterns when dry. The perennial and annual larkspur can also be dried, and will make a fair bouquet, although it is inclined to be a little more ragged than those regularly recommended for this purpose.

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Each Counted

One On Driver

Here are a couple of motoring stories: subtle, or not as you please about "one on the driver." In one case a piece of insulated wire was bared at both ends. One end was connected to the earthling terminal of the magneto and the other was led to a spot just under the accelerator pedal, so that when the driver put his foot down a connection was made and the magneto earthed. To the driver the symptoms seemed exactly those of a choked jet to the carburetor. The other trick was less subtle. A man had just taken delivery of a new car. While he left it unatched some boozing friends firmly wired a clipper round the car's exhaust pipe. As soon as the pipe heated up the clipper began to cook, and the smell worried the driver immensely! He even put some fresh oil in the pump.

—

Says Leisure is Worse Than Work

London.—The subject of leisure and the right use of it was dealt with by H. Hamilton Fyfe at the Congress of the National Union of Students, at Aberystwyth, recently.

There were some problems as old as the human mind, he said, but this was a new one, because not until recent years had the mass of the people enjoyed leisure to any great extent.

It was a problem that arose out of the industrial revolution.

During the 150 years which had passed since that event, machinery had been more and more developed, and workers in factories had become more and more parts of machines.

It was that lack of interest in the work that promoted the demand for more leisure. That demand was natural and inevitable. Eight hours pre- vailed in some trades; there was talk of six and even four hours in the future.

But with all this extension of leisure, a few knew how to use it.

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Stolen Treasures Found In Valise

Austrian Crown Jewels Said To Be Worth Millions of Dollars

Casablanca, Morocco.—The Austrian Crown Jewels, stolen in 1921, were discovered in a valise checked in the town of Safi.

The valise contained the famous imperial necklace, worth millions of dollars, and many other valuable articles belonging to the Maltese, Italian, and Spanish crowns.

It was believed that Maltese, Italian, and Spanish officials had been trying to recover the jewels, which were merely a tool for an international band of thieves, and confidence men.

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They Get Ready to

Buy Imperially

Saint John Telegraph (Ind.): Canada's products those of the north, temperate Canada has no tropical produce. Modern conditions make commercial dependence between tropic and temperate producing continental. This is the foundation for strong trade activity between Canada and the West Indies. The products of eastern Canada are mainly those of eastern Ontario, Quebec, and the Maritime Provinces. The products of western Canada are mainly those of British Columbia, Alberta, and Saskatchewan. The products of southern Ontario and Quebec are mainly those of southern Ontario and Quebec. The products of western Canada are mainly those of western Canada.

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HARD JOE

When Noah sailed the waters, he had trouble, same as you. For forty days he drove the Ark. Before he found a place to

Flying for Less Than a Cent a Mile

An achievement for which

aeronautical engineers and

aviation experts have been wait-

ing and working for years

in the daily press the other day

when Capt. L. M. Woolson and

assistant flew in Stinson

equipped with a heavy

fuel cost of \$4.68. Aviation gas

is estimated, would cost \$3

for the same journey, fuel

to Langley Field, Virginia

Explained, the ability of this

designed by Captain Woolson

Diesel principle and manufacturer

the Packard Motor Company

fuel is only one of its elec-

tricity, which is marked by less

appetite, dullness and high tem-

perature. Swelling of the body above

the waist at any point is a common

symptom and is accompanied by a