OUR DEFENSE

Big Guns

its accurate and powerful weapons proper name and address of the in support of the main fighting enemy requires uncannily accurate arms, the Infantry and Cavalry. The fire-control instruments. This was a standbys of the new artillery regi- troublesome product in the last war. ments will be thirty-six new 75 mm. We just didn't have the supplies of guns and sixteen 155 mm. guns. The optical glass for range finders and 75 hurls 166 three-inch shells an similar instruments. The Defense Adhour, each weighing about 15 pounds. visory Commission has already found 8 through 12, manager J. S. Dorton, duction on Tony Vitale for we behis mind on his business, can nestle States, with increased plant capacity enemy's lap at a distance of seven quate supply.

various loads of high explosive, of center has done its job of locating shrapnel, smoke, gas, or whatever the enemy, the burst does the rest. the enemy would least like to have Three batteries of light artillery at the moment.

Problems In Gun Production.

simple task. In order to stand up regiment with upwards of 1,000 men under the terrific pounding of rapid consists of two or three battalions fire they must be made of the finest depending again on the size of the steels available. To be accurate the guns. The new Infantry divisions will watch, but rugged as a battleship, commander who runs the whole show, for they must catch the bump de- artillery and infantry. livered by several hundred thousand foot-pouds of exploding charge, yet infantry who are going places in return the gun to position in a frac- trucks and tanks, the artillery has tion of a minute.

coil mechanisims, and their car- ers. But that's only the beginning riages are built in Government of the problem. For a 75 mm. gun arsenals scattered around the coun-firing at a normal rate during a try. These plants are equipped with three-hour battle slaps out some 500 the necessary special tools, and have shells, weighing over five tons. So to the men experienced in manufacture. keep the wherewithal handy requires The job of the National Defense Ad- a large truck train. That's easy. visory Commission in this phase of Trucks are an item this nation really the work is to see that the arsenals knows how to produce. get the metals they need when they need them, and to see that properly trained personnel is available for ex- Ain't Gonna Pick Cotton panding the working force.

Edward R. Stettinius, Jr., in charge of raw materials from the source to but the gravy, and makes no bones the factory, has already determined about his wants. that there are adequate supplies of The subject walked into the Wayne all necessary steel ready for use welfare office recently, marched up when needed as the program prog- to the desk of Supt. J. A. Best and

To insure an expanded supply of manpower the Commission has cooperated on setting up a youth-training program. Under this program, thousands of young men and women throughout the country are attending trade schools this summer, learning the techniques of operating modern machine tools so that they will be ready to step into place on the production lines set up throughout the

Productive Coordination Necessary Although the Government has arsenals that turn out shells for the it to shreds, right under the superartillery, the vastly expanded army will use far more than they can supply. To take care of expansion, the Army has long had a policy of giving "educational orders." Under these orders, a manufacturing plant usually devoted, let us say to sewing the paper says a man went to the machines, tools up a production line for making 75mm high-explosive shell cases. A few hundred shells are produced in a few days. The production line is shut down, but the tools all remain in the factory ready to go to work. These have now been called into action, but that is not enough. New plants are to go into operation west of the Alleghenys, handy to supplies of raw materials, along the lines of transportation, and where there is already a supply of surplus labor available. As these plants expand their activities a steady supply of materials must reach them, be processed, and flow smoothly along to the shell-loading plants, out the other end, and on to the man who feeds them into the

This calls for tight coordination all along the line, not for today or tomorrow, but looking ahead into next year, so that every time that Joe Smith of Battery X, Field Artillery, reaches for a shell he will find one of the right kind, ready to be stuffed into his gun. That means an unbroken, unclogged smooth flowing production line running from the gun back through the plants to the iron and coal mines. And that is the job of the Defense Advisory Commission.

Feeding the Artillery.

Since the men at the guns almost never see their targets, the control of field artillery is conducted from observation posts connected with the batteries by radio or telephone. At the posts, rapid computations are made for aiming the gun, and fire is adjusted to hit enemy targets. In

In battle the Field Artillery fires order to see that the shells have the And the artilleryman, when he has that new sources in the United announced today. one of those shells right into the already under way, will give an ade-

the artilleryman unlimbers the 155 ordinarily does not fight as an inmm. howitzer gun, just twice as big. dividual, nor is his gun fired as a Then he is prepared to land a 100-single units. To make fire effective 200 feet long and 30 feet high, and takes and costs so little to be kind, basket 10 miles away. An artillery guns are employed in groups. Over regiment is also supplied with a 100 men serve a battery of four whisper on their way to deliver post or the battalion fire direction make up a battalion with almost 500 men, battalions of heavy guns being Production of these guns is no made up of two batteries. And a gun barrels must be shaved down on have two artillery regiments, one lathes to within fractions of a thou- light and one heavy, 60-odd guns in sandth of an inch. The recoil all. And on top of the heap over the mechanisms must be built like a artillery general, we find the division

Now, in order to keep up with the to be mobile also. It keeps up with In the main, these guns, their re- horses, trucks, crawlers, and creep-

Found: the man who wants nothing

"I want to get on WPA."

Knowing the subject both personally and by reputation, the superintendent asked:

"Do you want WPA or do you want a private job?"

"I want WPA," was the reply. "Well, WPA's full," the welfare head said. But I'll write you a letter to UCC folks who will assign you to a cotton picking job.'

Initialing the finished letter, Superintendent Best presented it to his caller who calmly and promptly tore intendent's nose. Turning his back the subject mumbled as he walked out: "Derned if I'm gonna pick any

Teacher: "What does it mean when convention as a delegate-at-large?" Bright Boy: "It means that his wife didn't go with him."

* FASHION PREVIEW *



Ideal for the college girl is this paddock-plaid tweed coat, as shown in the September Good Housekeeping. Note the simplicity of the cu The colors are a mixture of tomato red, sage green, and beige.

N. C. State Fair Will Show Burning of City

RALEIGH, Sept. 18.—A sweeping tion will be presented by Tony Vitale volcano erupting to destroy a huge offered "The Men From Mars". city will be depicted in the fireworks display, entitle "The Earth- have had in connection with the quake", to be presented nightly at Men From Mars' presentation last

following the grandstand perform- gram this year," Dr. Dorton said. ances, which include nine thrilling Joe Smith, Artilleryman, unlike acts and a colorful revue presented If that doesn't seem to do the job, his brother John in the Infantry, under the direction of George Hamid of New York City.

pound shell in the enemies' bread against moving men or columns, the in addition special set-prices from to be thoughtful, to be considerate; three sections of the field will be it takes so little to cheer others up collection of in-between-size guns for guns, firing as a unit and covering with hundreds of bombshells being a helping hand, yet it means so much seen in three-ring circus fashion who are discouraged, so little to lend special jobs. All these guns can use a considerable area with a single fired continuously from the start of to others as well as ourselves. the display to the grand finale.

The fireworks for the 1940 exposi-things that make up life?

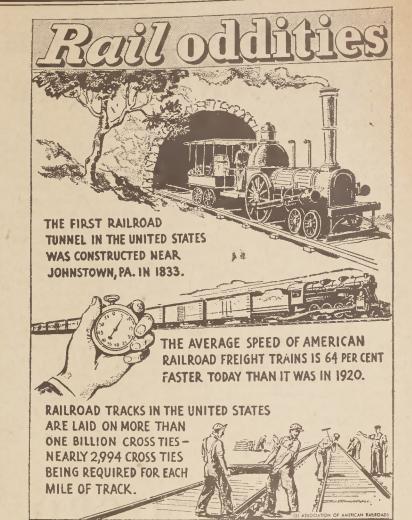
river of larva flowing from a giant of New Castle, Pa., who last year

"Based on the compliments we lieve his displays will be in keeping The fireworks display will be seen with the usual entertainment pro-

LITTLE THINGS

It takes so little to make us glad,

We think too much about doing One of the most spectacular scenes things that look big in our lives and of the display will be the destruction we think too little of the everyday of a city, sound effects and the rumbl-small acts of thoughtfulness, of ing of the larva stream being fur- kindness, the little helpfulness to nished with the firing of huge bombs those who are disheartened and down and out. After all, is it not the little



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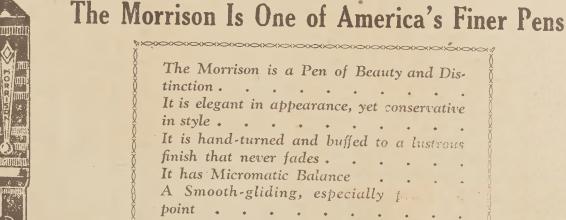
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