TRUCKS BIG FACTOR IN SUGAR INDUSTRY

Three Whites Enact Role in Conservation Work.

FLEET HELPS FEED ALLIES

Freight-Haulers Perform Tasks o 160 Horses, 20 Wagons and 40 Able-Bodled Men.

tenings on drums which are operated by means of hand wheels at the back of the driver's seat. Thus each of the sides is in the nature of two gates opening outward for the release of the load. The unloading process is simplicity itself. The gate locks are unfastened, the gates swing out, and by gravity the beets drop on either side into hopper bins whence endless belt conveyors lift them to a chute down which they pass into the freight cars of the railroad. One man only is all the help required to operate the truck and trailer.

The routine of one of these trucks as follows:

A day's work for a White truck, as cut out for the vehicle by the equipment now, and hitherto in use, is to dement now, and hitherto in use, is to de-liver at the railroad what three 75-horsepower tractors and three eight-horse wagon teams haul to the clean-ing station. The three White trucks and trailers with three men are de-pended on to deliver at the railroad 360 tons to 400 tons of beets daily. In so doing these trucks release for pro-ductive agricultural work the energies of 160 farm horses, together with 20 horse-drawn heavy wagons, and 40 men. 46 Able-Bodied Men.

of 186 farm horses, together with 20 horse-drawn heavy wagons, and 40 men. Each truck completes its round trip cvery 75 minutes, including loading-time, and, when loaded only to its rated capacity, it delivers 15 tons each trip.

Were tractors employed on this haul instead of the White trucks, seven 75-horsepower tractors and 14 men would freighting wagons, and of 40 be required to do the work. Such trac

ment of Troops.

SCIENTIFIC METHODS USED

Return to United States as Good Roads Boosters.

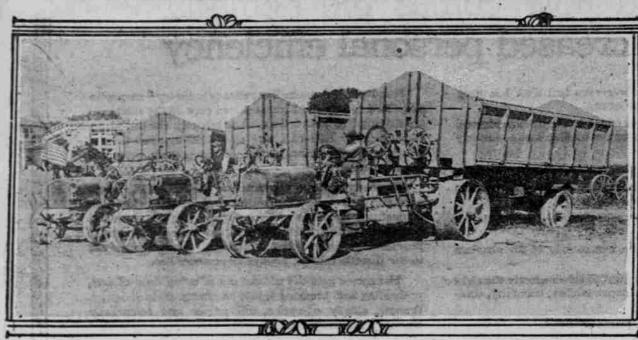
"As far as being able to Orient one's self, I think from now on I can drive blindfolded any place in the United States, as most of my driving on the front has been at night, and the roads wind around considerably over here. I don't have lights and neither do the trucks and other walks and other trucks.

trucks and other vehicles coming in opposite directions. We are not al-lowed to use the klaxon horn, as this is

the method employed for a gas alarm. Sometimes I really wonder how we get through with it all, but it shows how

EXPERTS

FLEET OF WHITE TRUCKS DOES YEOMAN SERVICE IN CALIFORNIA BEET FIELDS.



FREIGHTERS OPERATING WITH 15-TON TRAILERS, HAULING SUGAR BEETS FOR SPRECKELS SUGAR COMPANY, SPRECKELS, CAL.

are hauled from the field in wagons of four and a half to five tons capacity, each in trains of three wagons, by caterpillar tractors. It requires four wagonloads to fill the bodies of the trailers on the trucks.

intracts of make the round trace.

The making White motor trucks their two instances. The making White motor trucks their two instances. The making White motor trucks are considerably influenced by an economic wasn't if I was an antherement. You agree, of course yea do. You've been delivered to be a considerably influenced by an economic wasn't if I was an antherement. You agree, of course yea do. You've been delivered to be a considerably influenced by an economic wasn't if I was an experiment and in the war, the Food Administration told us. We believed it. This is a conservation story. It is far instance by modern means and methods: it tells what a big succar combinates by modern means and methods: it tells what a big succar combinates by modern means and methods: it tells what a big succar combinates by modern means and methods: it tells what a big succar combinates by modern means and methods: it tells what a big succar combinates by modern means and methods: it tells what a big succar combinates by modern means and methods: it tells what a big succar combinates by modern means and methods: it tells what a big succar combinates by modern means and methods: it tells what a big succar combinates by modern means and methods: it tells what a big succar combinates by modern means and methods: it tells what a big succar combinates by modern means and methods: it tells what a big succar combinates by modern means and methods: it tells what a big succar combinates by modern the particular is a construction of the could be introduced by the particular is a construction of the could be introduced by the particular is a construction of the could be introduced by the particular is a construction of the could be introduced by the particular is a construction of the could be introduced by the particular is a construction of the could be introduced by the particular is a construction of the could be introduced by the particular is a construction of the could be introduced by the particular is a construction of the could b

terial. Ranch Number 11 is 40 miles

Transportation Problem Poser.

The comparative remoteness of some of the sugar company's productive beet lands in relation to the railroad has for some time past furnished that corporation with a transportation problem of no trivial proportions. This problem has hitherto had its most acute angle in a certain two-mile haul with a beet-cleaning station at one end and a spur track of the Southern Pacific Railroal at the other, and with the Salinas River between the two. As a usual thing the stream bed is as dry as a W. Hohen-zellern sermon. It is empty of water except in the rainy season, but it has been known to be full of trouble the whole year through whenever there was hauling to be done between those two points. The most persistent form which this copious trouble took was sand. Strong currents of wind are in perpetual afternoon motion along that channel, and these winds are forever scooping the sand out in grooves and

the Spreckels company's engineers were called on to answer. Three modes of transportation suggested themselves as follows:

barriers, 200 feet apart, and extending
the width of the river, and from six
to 10 feet in height, were erected as
a protection against sand drifts which
construction and maintenance. erwise would soon obliterate the

The approach to the cleaning station is on an incline with a grade of 6 per cent. Coming out of the river bed on the railroad side of the stream is encountered an incline \$80 feet in length with a grade of 12 to 14 per cent. Between these grades the road is practically level. A sprinkling waron is anti-glass week observed by the tically level. A sprinkling wagon is constantly at work laying the dust, and the broad wheel surfaces of the trucks in passage back and forth over the soft yielding face of the road have operated to reduce it to an almost ideal traction condition

be operated over the paved highways. Then these convertible all-purpose trucks will be hauling great loads everywhere for the sugar company's fac-tory and for its numerous ranches. And, by the way, these big 15-ton units turn around in a diameter of 60 feet.

HIGHWAY CONGRESS WILL CON-VENE IN CHICAGO.

Government, State and Association Leaders Will Map Out Development Programme.

perpetual afternoon motion along that thannel, and these winds are forever scooping the sand out in grooves and ridging it up in drifts and piling it high in dunes.

How to get a large tonnage of beets between the cleaning station and the railroad was the question which the Spreckels company's engineers were called on to answer. Three modes of the most proper sentence of the United States the process of the control of the presentatives of the United States the spreakels company's engineers were called on to answer. Three modes of the most notable gatherings of its kind ever assembled. In addition to the officials of the various that the presentatives of the United States the spreakels company's engineers were called on to answer. Three modes of the most notable gatherings of its kind ever assembled. In addition to the officials of the various that the presentatives of the United States Government, the following organizations will be officially represented:

"One hundred million dollars a year appropriated by the Federal Government appropriate app

as follows:

First—By a narrow-gauge railroad with a bridge approximately 100 rods in length reaching across the river.

Second—By an aerial cable tramway.

Third—By motor trucks with trailers.

Engineers Choose Trucks.

After a thoroughgoing survey of the obstacles to be surmounted, the engineers in the sugar company's employ accided upon White trucks as the most efficient means by which their task

The Lincoln Highway Association, the ment on a definite tangible national highway association, the National Old Trails Road Association, the form of from five to 10 thousand miles of splendid highway, made up partly of sections aircady sufficient in quality, partly in sections to repair, partly of sections rebuilt, and partly of entirely new construction. State and local appropriations will be encouraged, and these subdivisions, largely because of Federal roads, will be devoted to the most important

HIGHWAY CLEARED OF GLASS

LOS ANGELES, Cal., Nov. 30.—The "anti-glass ,week" observed by the Automobile Club of Southern California in Los Angeles resulted in the collection of 186 pounds of bits of glass on the streets, each piece of which was a constant menace to motorists.

to reduce it to an almost ideal traction condition.

Large Trailers Are Used.

The trailer bodies designed and built by the sugar company are constructed each with an inverted V shaped bottom. The sides of the bodies are divided perpendicularly in the middle: they are hinged at the top; and they are fastened at the bottom to wire cables running on pulleys. These cables pass through the false bottom to fas-

able-bodied men—work that might eas-ily and innocently have been misdi-rected, and wasted, but was not wasted.

Utility Deciding Factor.

valuable. In my mind there is no doubt that the good roads of France saved her in two instances."

ROAD BOOSTERS TO MEET

Government, the following organiza-tions will be officially represented: The Lincoln Highway Association, the

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Cheap rates. SUPPLIES PORTLAND BUICK REPAIR CO. Cor. Sixteenth and Jefferson St.
Portland, Or. Main 3419

Cole Aero-Eight ANNOUNCEMENT

Government restrictions removed: Prices reduced \$300: Production increased 100%

I Effective at once the prices of all Cole Aero-Eight models will be reduced \$300. We have been able to double our production and can make immediate deliveries at the restored prices. While our production was curtailed by Government order, we were able to supply less than 50% of the constantly increasing demand for our cars. The readjustment in our sales and production program for 1918-1919 will make it possible to meet the requirements of our patrons with greater certainty.

NORTHWEST AUTO CO.

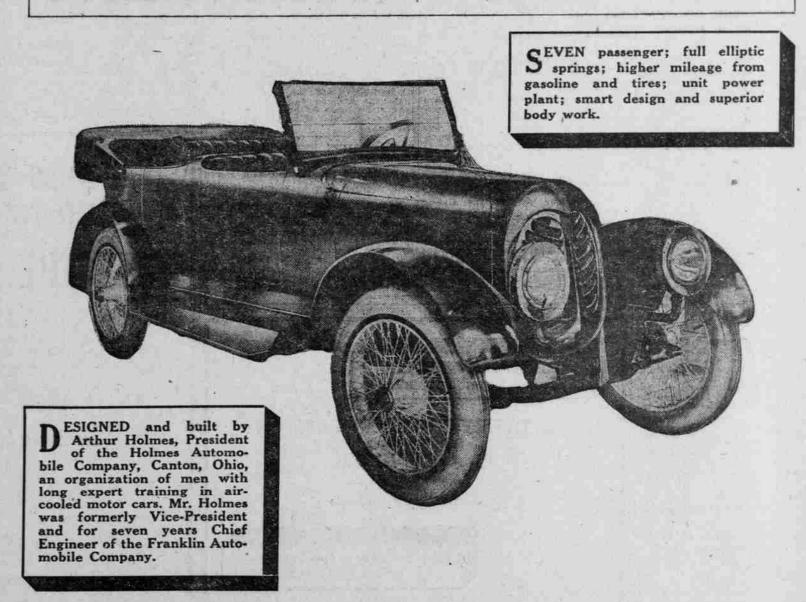
Alder at Chapman Broadway 1460-A 2336

COLE MOTOR CAR COMPANY, Indianapolis, U.S.A.

ure distances with the eye.

"One of the great things they do here is to repair a road and even make colored. There is a mountain composed in one campaign we were in, over a thousand trucks pageed my regiment, and the stream of traffic, in one campaign we were in, over a thousand trucks pageed my regiment, and the stream of the first thousand trucks pageed my regiment, and the stream of the first thousand trucks pageed my regiment, and the stream of the stream

THE HOLMES CAR



McNeff Tractor & Auto Company, (Inc.) 225 Pittock Block Northwest Distributors Portland, Oregon