

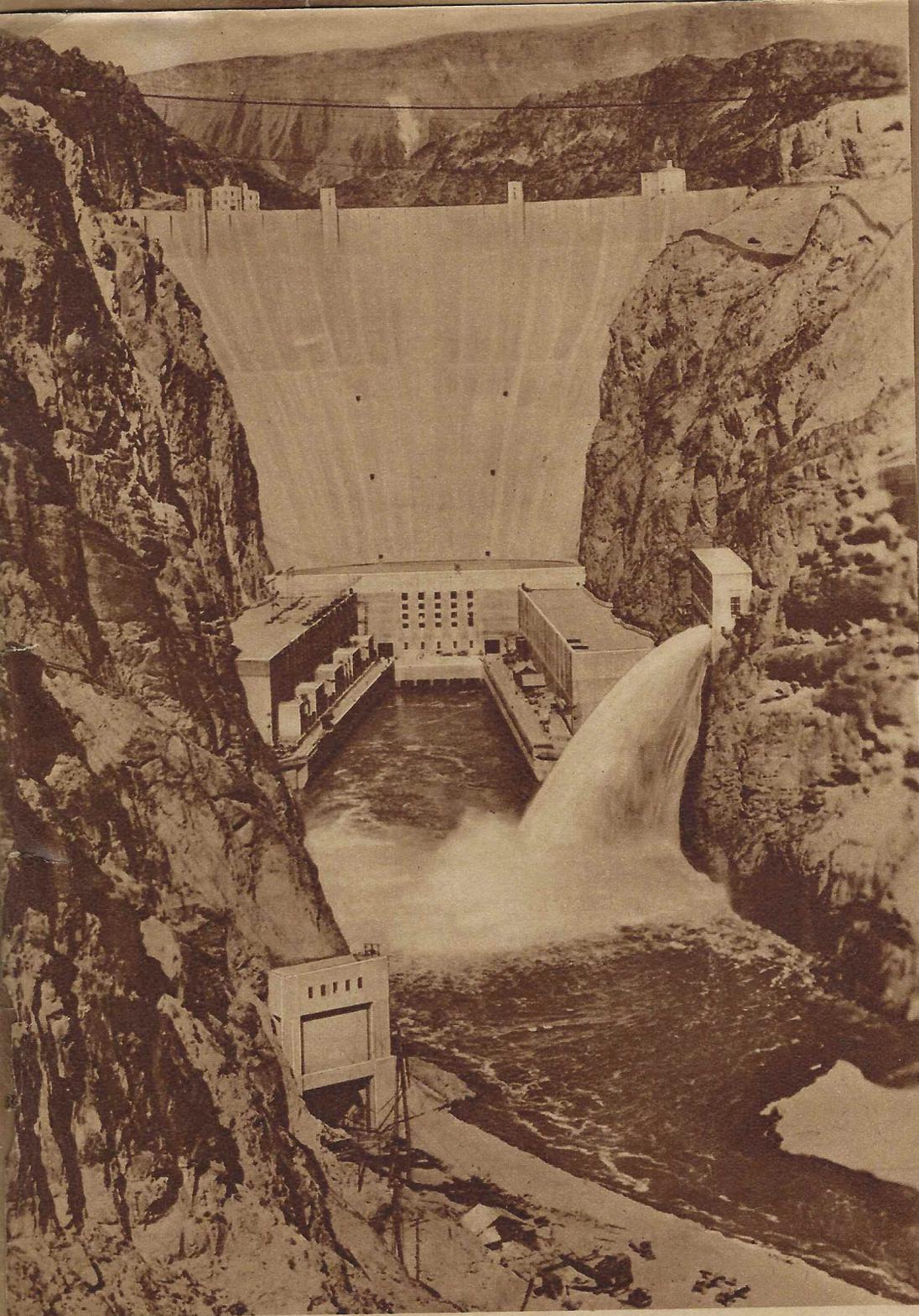
ALLIS-CHALMERS

WC

Full 2-Plow Tractor



ALL CROPS—ALL PURPOSES—ALL CONDITIONS—ALL FARMS—ALL SEASONS



Boulder Dam . . . where the world's largest hydro-turbines, each capable of developing 150,000 h. p., convert water into electric power. Designed, built and installed by Allis-Chalmers.



Wherever wheels and shafts turn—wherever power is generated, transmitted or harnessed . . . in agriculture, industry or transportation . . . the name Allis-Chalmers is known and respected.

Specialists in the design and manufacture of power producing and power operated machinery, Allis-Chalmers has, by its contributions to the advancement of practical science, made the world a brighter, and more pleasant place in which to live. The daily lives of many millions of people in every section of the globe are made easier, happier and more secure by the necessities, lux-

uries and conveniences which Allis-Chalmers machinery makes possible.

The electrical energy that lights our homes and cities, turns the wheels of industry and transportation, and provides millions with employment; the pure water that flows from faucets in countless homes; the sanitation that protects the health of great city pop-

ulations; the food on our tables; the clothes we wear; the roads and highways over which we travel; the farm equipment that simplifies the farmer's work; the oil, coal and minerals that serve endless useful purposes; these . . . and many other advantages of modern civilization . . . are universally enjoyed by poor and rich alike, because Allis-Chalmers machinery has made them cheap and plentiful.

The Model "WC" tractor is a typical Allis-Chalmers product—worthy of the name it bears—modern, simple, efficient . . . well built . . . to do good work.

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Your Tractor

YOU . . . the farmer . . . are the designer of the Model "WC" tractor!

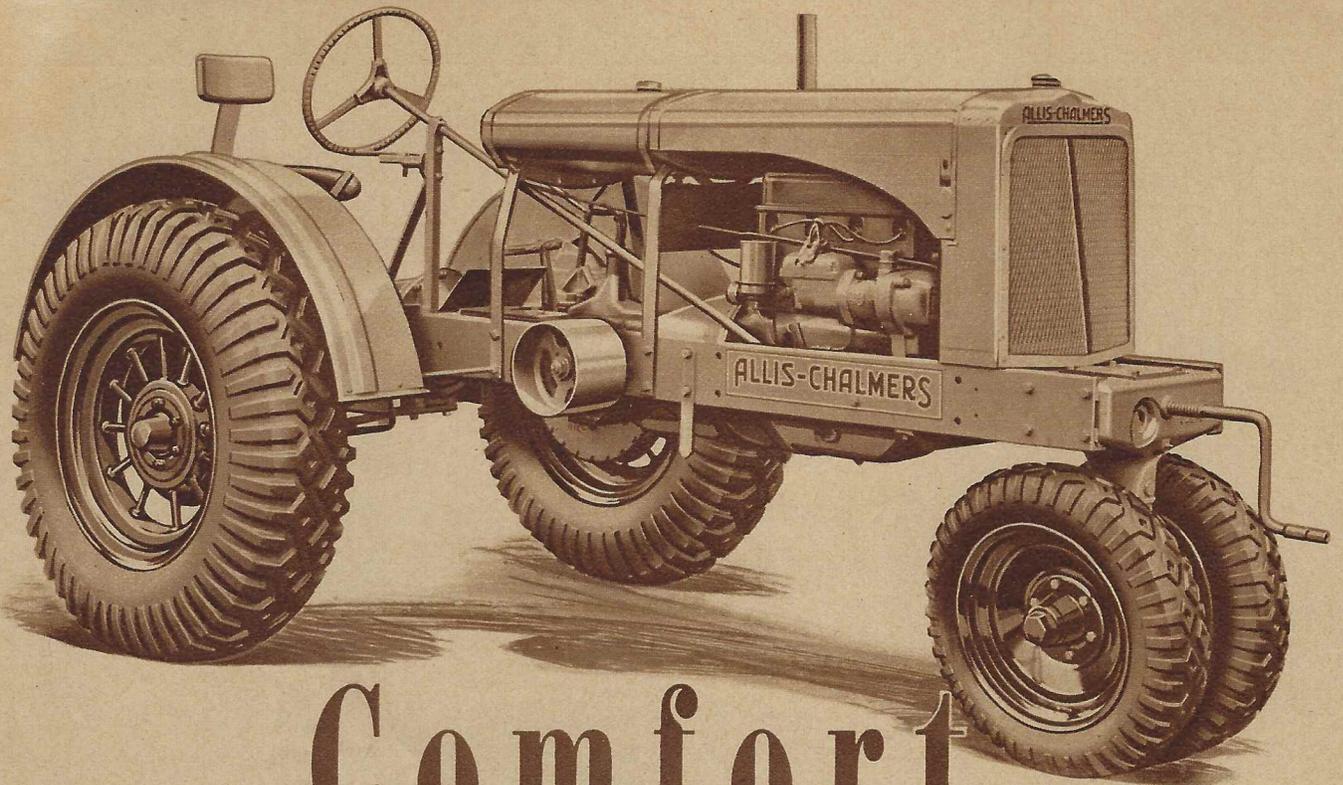
With your intimate knowledge of crops and field conditions . . . with your long experience in farming . . . YOU have written the specifications for this most modern of farm tractors. Allis-Chalmers engineers have taken your ideas and blended them into a harmonious, coordinated unit . . . capable of the efficient performance you asked for, and built as only Allis-Chalmers can build a tractor.

Here are the features you have put into your tractor—features that give to the Model "WC" a distinction and character that make it outstanding among farm tractors—*comfort; convenience; ease of operation; full two-plow power; speed; light weight; strength; simplicity; fuel economy; adaptability; safety; protection against dust; resistance to wear; accessibility for adjustment and repairs; streamlined styling; smart appearance; quick-hitch, power-lift implements . . . and . . . a price that farmers can afford to pay.* These are the things you asked for in your tractor—and they are exactly what Allis-Chalmers has given you in the Model "WC."

Many of you asked that your tractor be equipped with rubber tires, others expressed a preference for steel wheels. The Model "WC" is offered with either type of wheel equipment. Allis-Chalmers pioneered the rubber-tired farm tractor, and was the first manufacturer to place this new type of farm power on the market. That was in 1932. Today, the rubber-tired tractor is found on farms throughout the world. Its outstanding advantages—greater comfort, increased operating economy, superior performance, longer life, faster working speeds, and year 'round usefulness—have been generally recognized.

The Model "WC," equipped with rubber tires, has given the world a new conception of tractor performance. The credit for this is all yours. YOU designed it—it is YOUR tractor!





Comfort

On the average, each year you spend about 200 hours in your automobile. It is equipped with scores of devices that make driving a pleasure. On the other hand, you may spend from three to six times as many hours a year in the seat of your tractor, so it is even more important that it, too, should include features which add to your comfort and make your daily work easier.

In the Model "WC," Allis-Chalmers has included many modern devices that make tractor operation more pleasant and comfortable. The spring seat, with its adjustable back rest, doesn't put kinks in your back. It is located enough to one side so that you always have an unobstructed view of your work, without twisting yourself into uncomfortable positions.

The big steering wheel and shock-proof steering mechanism on the "WC" are comparable only with those of the finest motor cars. No longer do you need to nurse sore fingers and hands after driving your tractor all day. The "WC" has a steering wheel that won't kick. Large, sturdy fenders protect you from flying



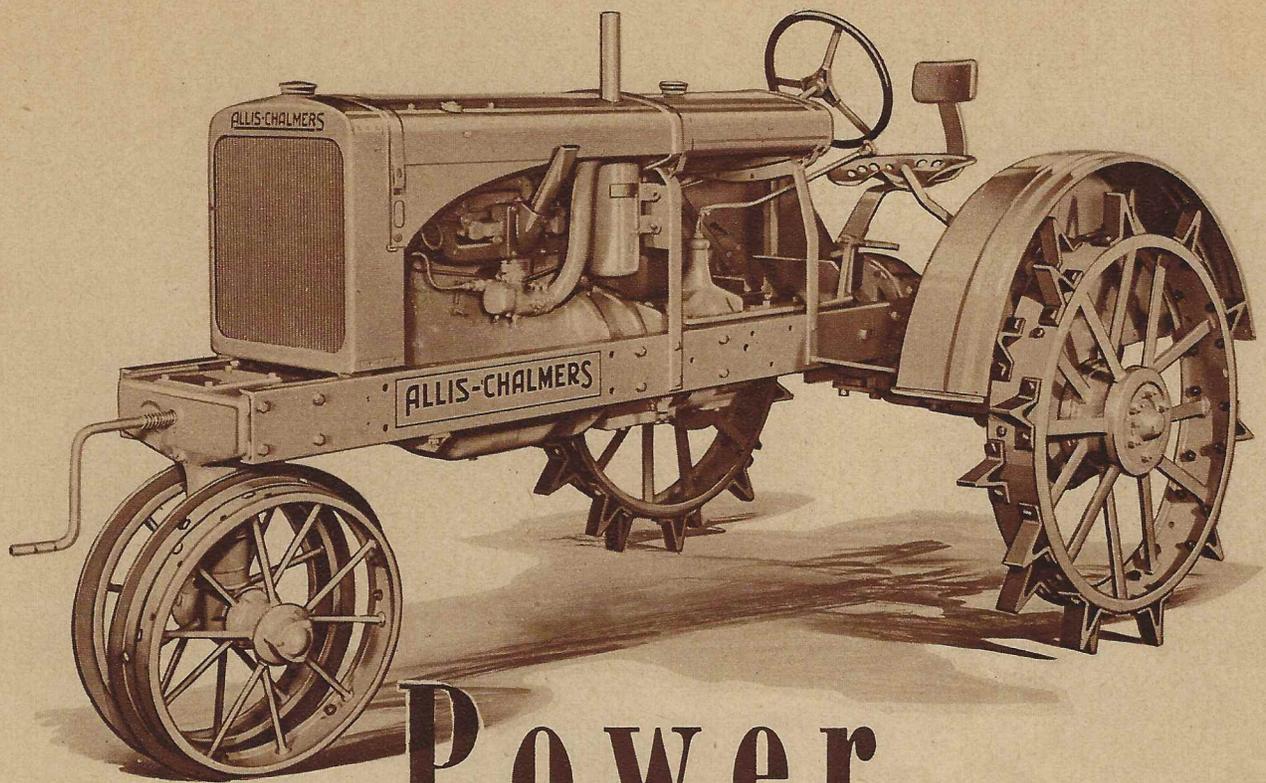
mud or dirt. And convenient control levers, within easy reach of the operator, make driving the "WC" as pleasant as driving an automobile.

On rubber tires, this ace of two-plow tractors rides smoothly over uneven ground. The cushioning effect of the big low-pressure tires protects both tractor and operator. Furthermore, the old discomforts of starting your tractor have

been removed . . . the automatic impulse coupling starts the "WC" quickly and easily. A quarter of a turn gives just as hot a spark as a spin. Inserted valve seats reduce valve leakage and improve compression, assuring quick starting.

The quick-hitch implements for the "WC" eliminate the old back-breaking change jobs. Instead of lifting heavy sections into place, you simply drive into the cultivator, or other implement, fasten a few bolts, and you are ready to go to work. With a Model "WC," tractor jobs become a pleasure instead of a chore. You'll feel better at the end of a day on this modern tractor, because your comfort has been kept in mind throughout its design.

700



Power

The energy exerted in lifting a weight of 33,000 pounds a distance of one foot, in one minute, was established as the unit of horsepower by James Watt over a century ago, and is still the standard used today in rating the power of engines. Watt's tests proved that the average horse could maintain a working rate of only 22,000 foot-pounds per minute. He increased this figure by 50 per cent as a factor of safety, and arrived at the established formula.

Modern tests check closely with those of Watt. In draft tests conducted at various agricultural colleges, it has been proved that only heavy draft horses in prime condition, weighing from 1,500 to 1,800 pounds, are capable of developing one horsepower for eight hours a day. In other words, a team of two horses—3,600 pounds of horse flesh—is capable of developing, for a limited time, only two horsepower.

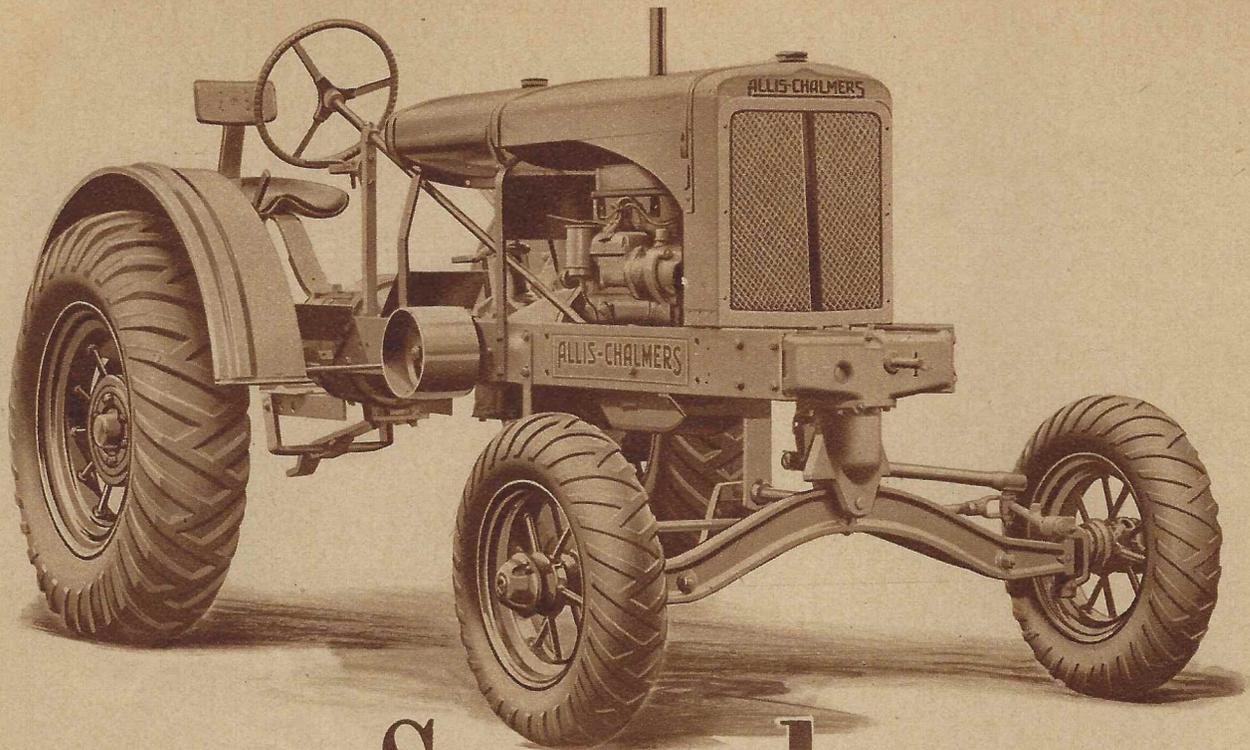
Contrast with this your Model "WC" farm tractor, weighing only 3,400 pounds, which develops 14 (or more) horsepower at the drawbar, and is capable of pulling two 14-inch moldboard plows at average plowing depths in ordinary soil



and ground conditions, at speeds of from $2\frac{1}{2}$ to $4\frac{3}{4}$ miles per hour—not for eight hours—but for 24 hours a day, if necessary . . . without regard for heat, cold, flies or dust.

With a rubber-tired Model "WC" tractor on the farm you become the absolute master of your power problem. No longer do you need to be a slave to unreliable animal power, its ills, afflictions, uncertainties and in-

efficiency. Now, in one inexpensive unit, modern science has given you a concentration of mobile and stationary power that meets every farm requirement . . . a unit that combines power, speed and adaptability for every power job on the farm. Heavy work of plowing is done with greater ease and speed. Lighter field jobs are done in less time, at lower expense. Work around the barnyard or in farm buildings, for which horses were once used exclusively, can now be done more quickly and simply with the "WC," and its speed makes it the ideal hauling unit on the road or around the farm. Here is eager, tireless power—always ready, always willing to perform the task at hand.

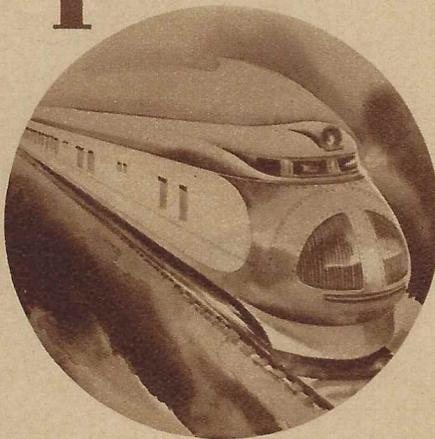


Speed

To meet modern demands, a tractor must have a wide range of speeds. To handle efficiently the ever-increasing number of farm jobs being done with mechanical power, it must provide the proper pace for each task—slower speeds for field work, higher speeds for road travel.

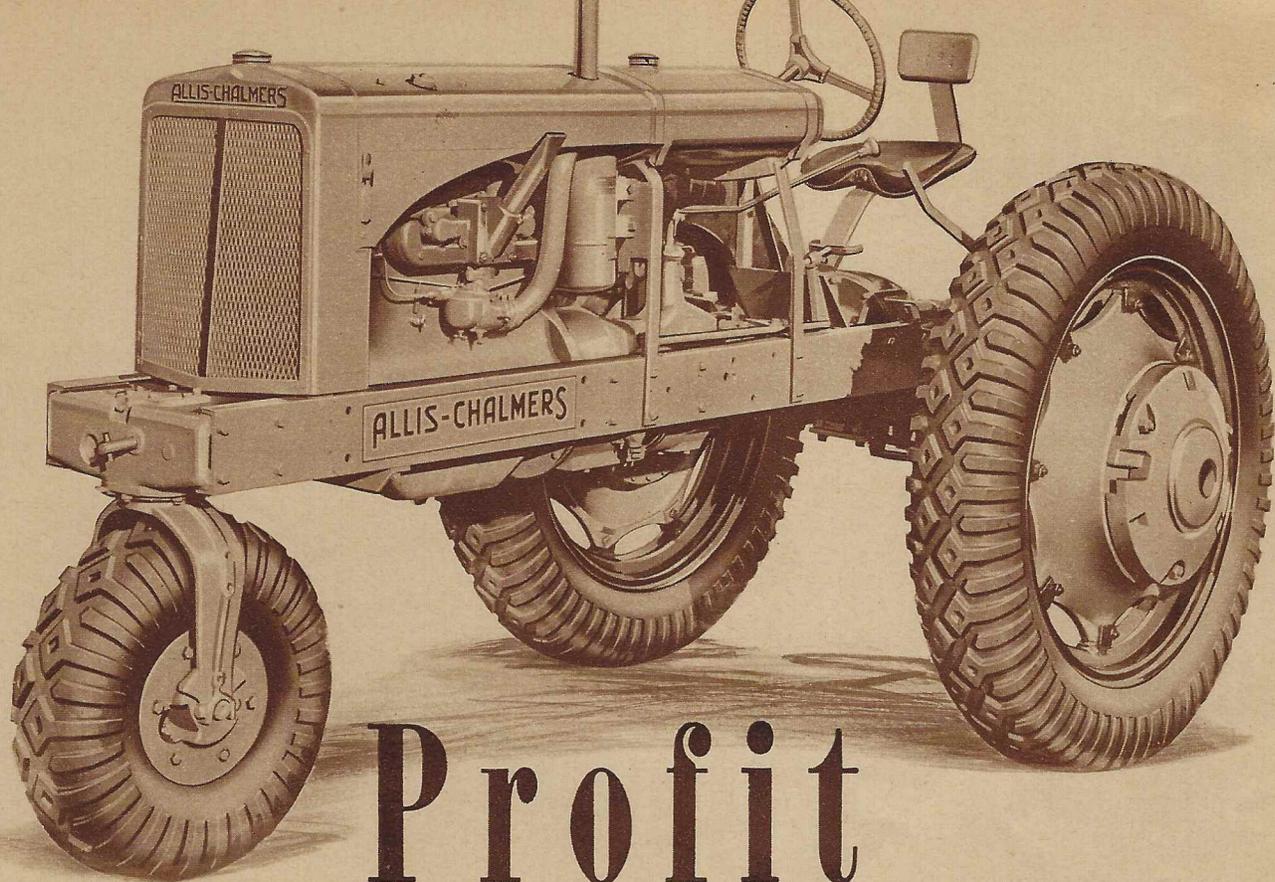
But to have simply speed, or even a wide range of speeds, is not enough in the efficient modern tractor. It must have the *right* speeds for every job, speeds which do not cut down the tractor's power. In the Model "WC," speed and power have been skillfully balanced, so that you will have an abundance of power for all your jobs . . . available at speeds which will enable you to do a good job, and to finish your work in the shortest possible time.

The "WC" has three working speeds— $2\frac{1}{2}$, $3\frac{1}{2}$, and $4\frac{3}{4}$ miles per hour . . . and a road speed, on rubber tires, of 9 or more miles per hour. Many farmers have found that by traveling at these higher speeds, they can do a much better job of cultivating, discing, harrowing or other light field work. The extra power of the lower speeds is ideal for plowing and the heavier



jobs about the farm. In high gear, the "WC" travels swiftly over the highways when hauling a farm truck or trailer. Getting from one job to another on a rubber-tired "WC" is but a matter of minutes . . . you don't have to waste valuable time.

The wide range of speeds in the Model "WC" tractor is an important advantage to you when stormy weather threatens to delay your farming operations. Because the "WC" enables you to do your work in the shortest possible time, you can make the most of every hour of fair weather between storms, keeping more closely to schedule than you could with a slower, more cumbersome tractor. In addition, its rubber tires enable it to go into wet fields sooner after a rain without damaging them. The speeds on the "WC" have been carefully planned to meet your requirements, to do your work as quickly as possible without sacrificing the power that you need on the regular jobs and in the pinches. With a "WC," you will get your work done better, sooner and more economically, because speed ranges were *built* into it, and not added as an after-thought.



Profit

Farming, like industry, in this modern age, must be profitable if it is to continue. Closed factories in cities and abandoned farms in the country bear mute testimony to the truth of this statement. Successful industries today rely principally upon modern manufacturing methods, supplemented by the latest labor-saving machinery, to build up their profits. And every successful farmer employs scientific farming methods supplemented by the use of modern labor-saving farm equipment, the most important unit of which is the farm tractor.

Authoritative tests in many crops in different sections of the country, conducted by government and agricultural college experts, have definitely proved, over and over again, that tractor farming reduces production costs. The tractor, by reason of its superior speed, power, economy and tirelessness, gives to the farmer the advantage of timeliness, which is the essence of profitable farming, in seed bed preparation, planting, cultivating and harvesting.

Twenty years ago, a two-plow farm tractor

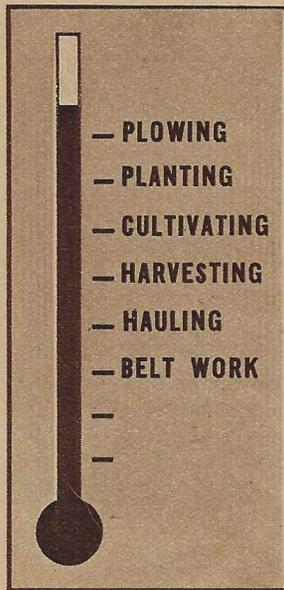


... slow, ponderous and having a very limited range of usefulness . . . cost twice as much as the modern, high-speed, rubber-tired Model "WC" tractor with its wide range of usefulness, and few farmers could afford them. Today, for the same cash outlay you can buy a Model "WC" with a full equipment of tillage, planting, cultivating and harvesting machinery to go with it. Thus, not

only has the farmer's investment in farm machinery been materially reduced, but the equipment he buys is faster, better adapted to all kinds of farming, longer lived, more dependable, more efficient, more versatile . . . and with it all has come the reduction of production costs to far lower levels.

The new Model "WC" represents the finest farm tractor that modern science and engineering can produce. By using it on your farm, you can hold your costs to the lowest levels you have ever known, and by the same token you can materially increase your profits. For you, it opens the door to better farming, better living and greater independence.

Adaptability



A tractor's value to you, as a farmer, is in direct proportion to its usefulness. You want a tractor that will do the work on your farm easily, quickly . . . on time. The

more jobs it will do, the more days it will work every year, the more valuable it becomes as a money-making, money-saving investment for you.

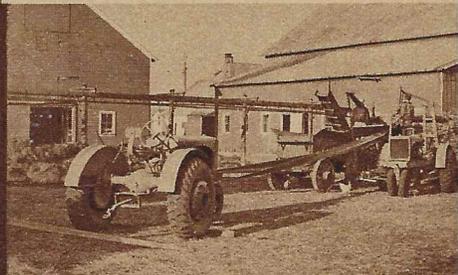
Versatility and year 'round usefulness are the keynotes of "WC" design. In the field it will do your plowing, discing, seeding, cultivating and harvesting at economical speeds. On the belt it readily adapts itself to threshing, hulling, silo filling, feed grinding, sawing or any other job . . . its sensitive governor maintains steady, constant speeds. On the road, it hauls grain-filled trucks or trailers to market quickly and economically. It will do your odd jobs, too . . . hauling feed, moving hog houses, pulling stones and many others.

It is so compactly built, so easy to maneuver, that it will work in tight places . . . differential hand brakes enable it to pivot on either wheel in its tracks. Your wife or boy can easily handle the "WC". On rubber, it will work in farm buildings without damage to floors, and it will not cut up your drives or barnyard.

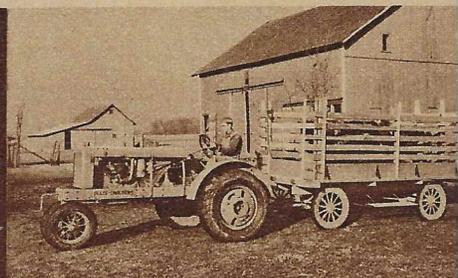
The Model "WC" is adapted to all types of farming . . . small or large acreages; one-crop or diversified farms; broadcast, drilled, or row crops. Its many different wheel spacings adapt it to almost any row width desired. Built in four models, there is a "WC" for every type of farm where two-plow power is needed.

You'll get more work per dollar invested out of the "WC" than any other unit of farm power. And you will invest less money. It takes the place of horses, and on rubber it will even displace a motor truck when hitched to a trailer or wagon. To you, "WC" adaptability means that your tractor will do more work . . . faster, better, more economically.

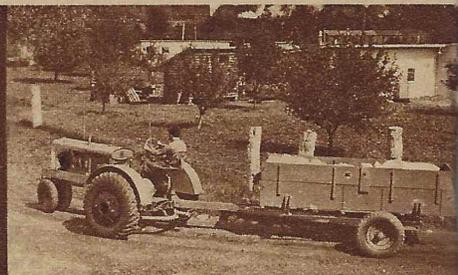
ON THE BELT



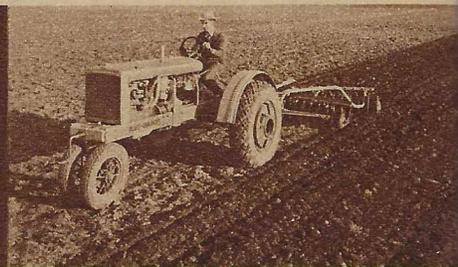
IN THE BARNYARD

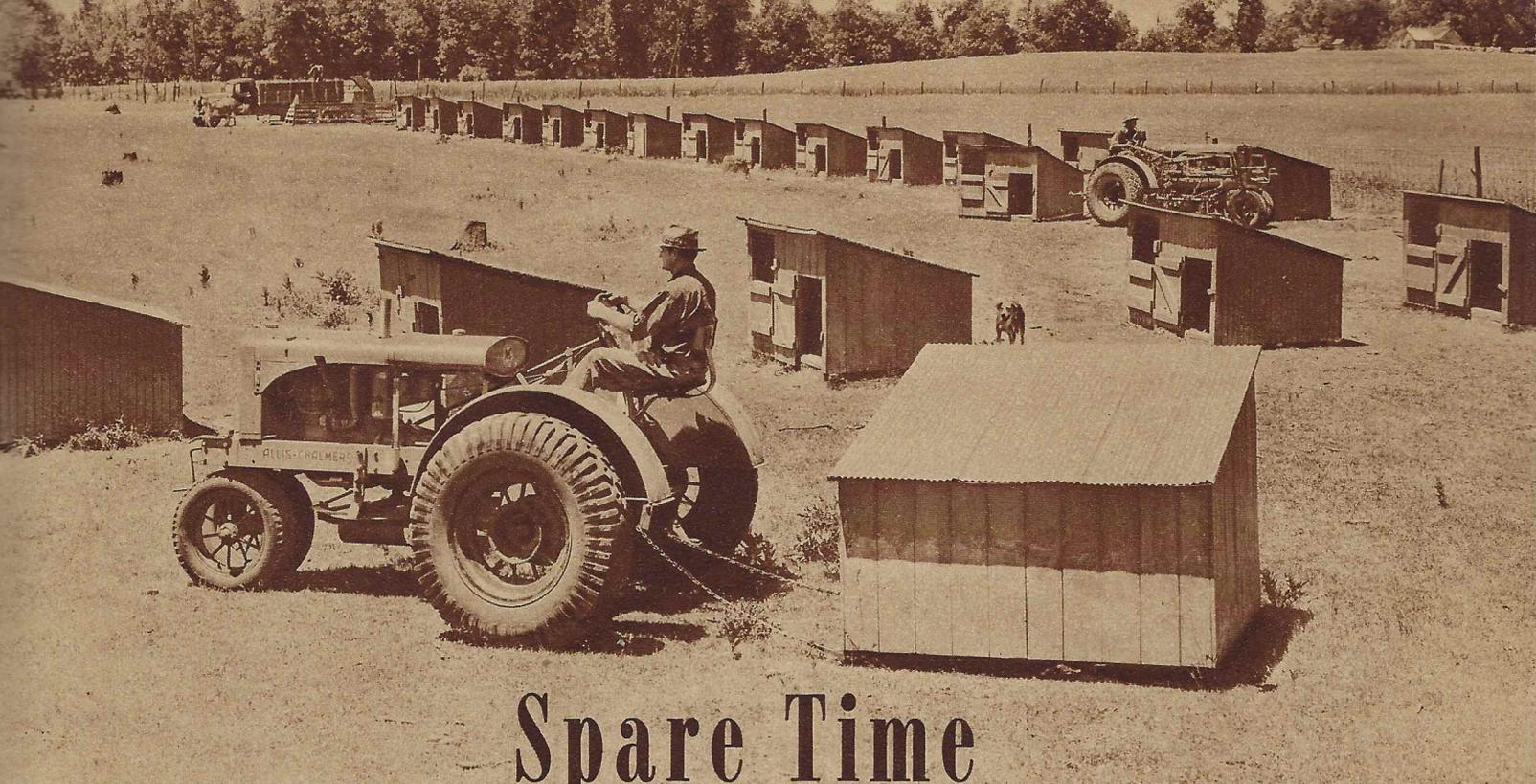


ON THE ROAD



IN THE FIELD

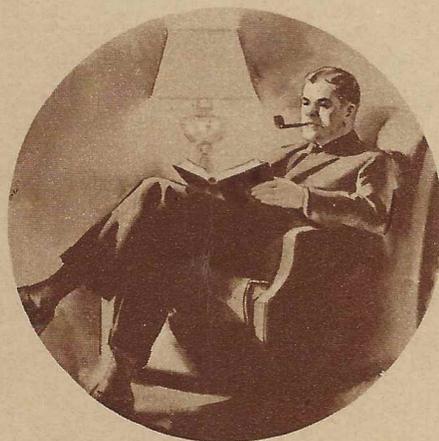




Spare Time

Yesterday, people used to say—"A farmer's work is never done"—and truer words were never spoken. But today, we say to you—"Use a Model 'WC' tractor and have spare time at your disposal!" . . . spare time to spend as you will . . . in leisure, relaxation, study, or devoted to developing and improving previously neglected projects on your farm.

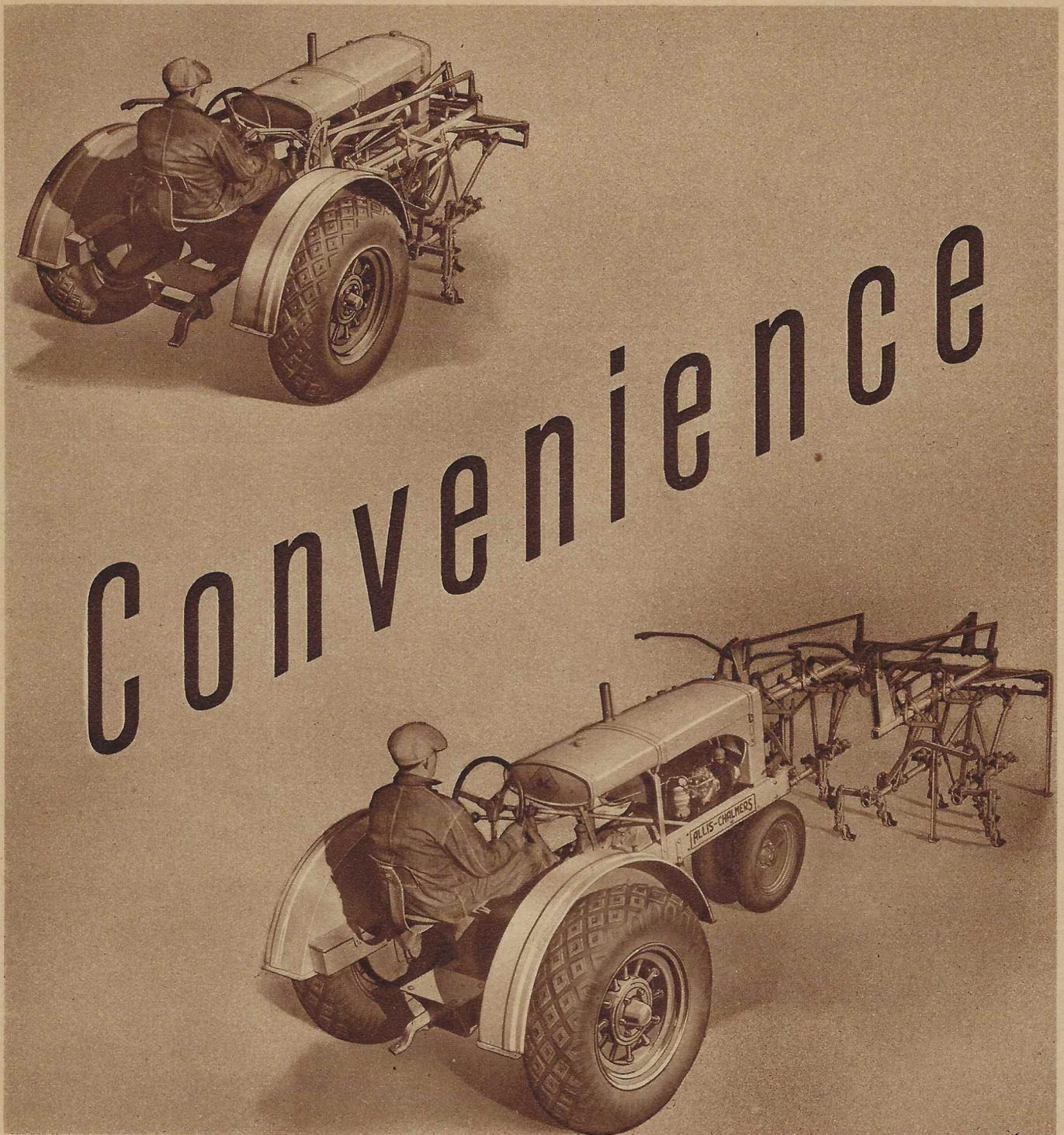
No other tractor offers you so many time-saving advantages. Equipped with rubber tires, the Model "WC" is a thrilling revelation in its ability to get your work done sooner and more easily than you have ever done it before. You plow 25 per cent faster; you disc, harrow and plant from 25 to 50 per cent faster; you cultivate 25 per cent faster; you harvest your crops from 10 to 25 per cent faster; you move from field to field and from job to job on your farm from 50 to 100 per cent faster. All of this time saving, translated into hours, means many days saved in the course of a year . . . days that can be employed in other work, for which you previously had little time, and in relaxation or pleasure.



But that is not all. The "WC" saves you time in a multitude of other ways. The Allis-Chalmers line of quick-hitch implements for the "WC" also saves valuable hours during the busy season. Think of being able to attach or detach your cultivator in less than five minutes! Consider the power lift, which saves so much time in raising or lowering the cultivator shovels . . . and the

differential hand brakes that make possible quick, easy turns at the headlands. Additional time is saved in servicing the tractor by reason of the fact that all greasing is done, in a fraction of the usual time, with a pressure gun through conveniently placed dust-tight fittings. The efficient cooling system reduces evaporation to a minimum, eliminating frequent stops for adding water. And the entire tractor maneuvers so easily that you don't have to waste time getting in and out of tight places or in lining it up for belt work.

These extra hours saved mean much to you . . . more money, less work, welcome leisure and relaxation. In the "WC" they cost you no more than you would pay for less efficient tractors.

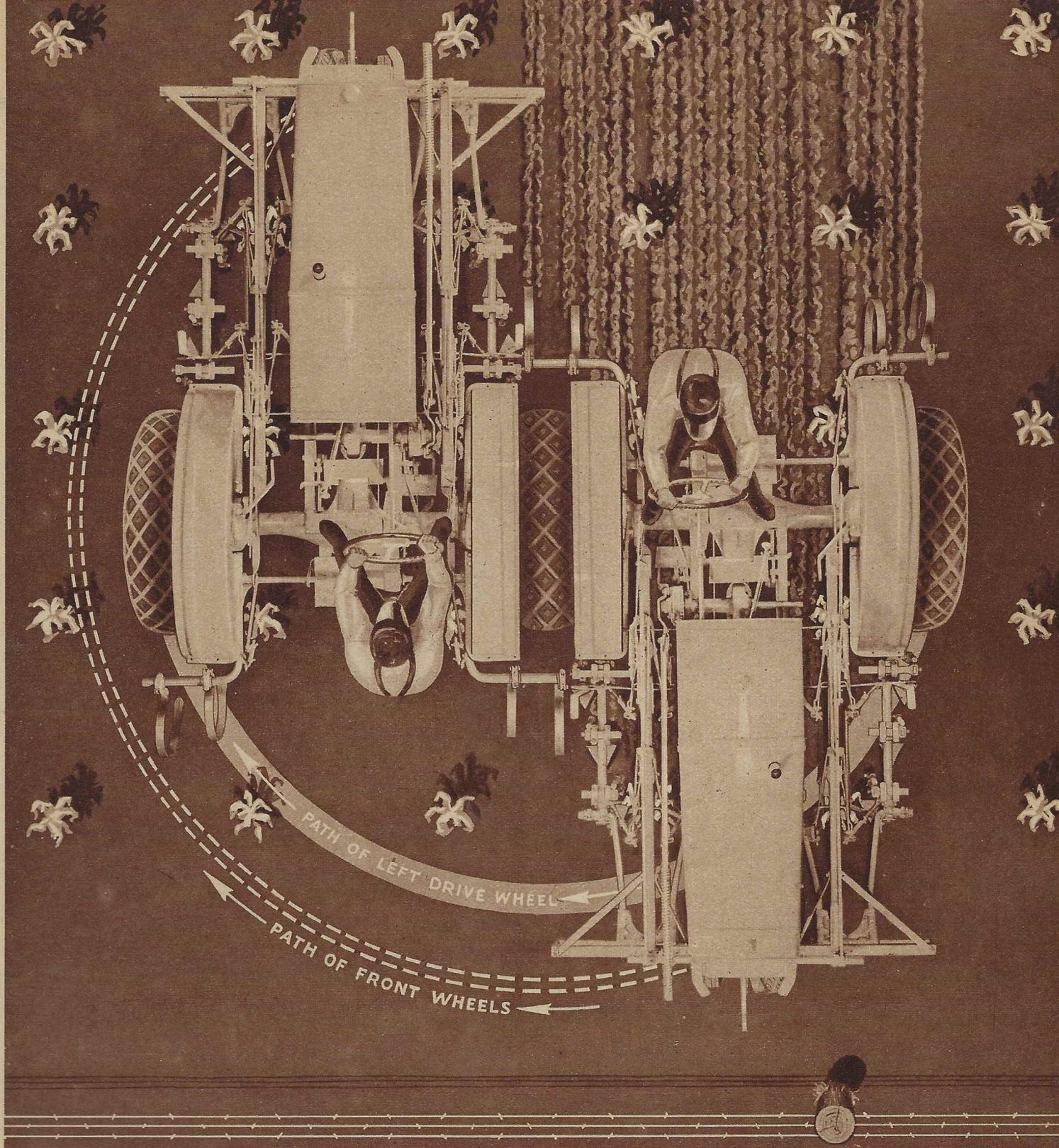


convenience

5-Minute Hitch

It is only a five-minute job to attach or detach the two-row cultivator of the Model "WC." No special tools are required. No part of the tractor or implement has to be dismantled . . . both are always ready for use at a moment's notice, and a 12-year-old boy can make the change as

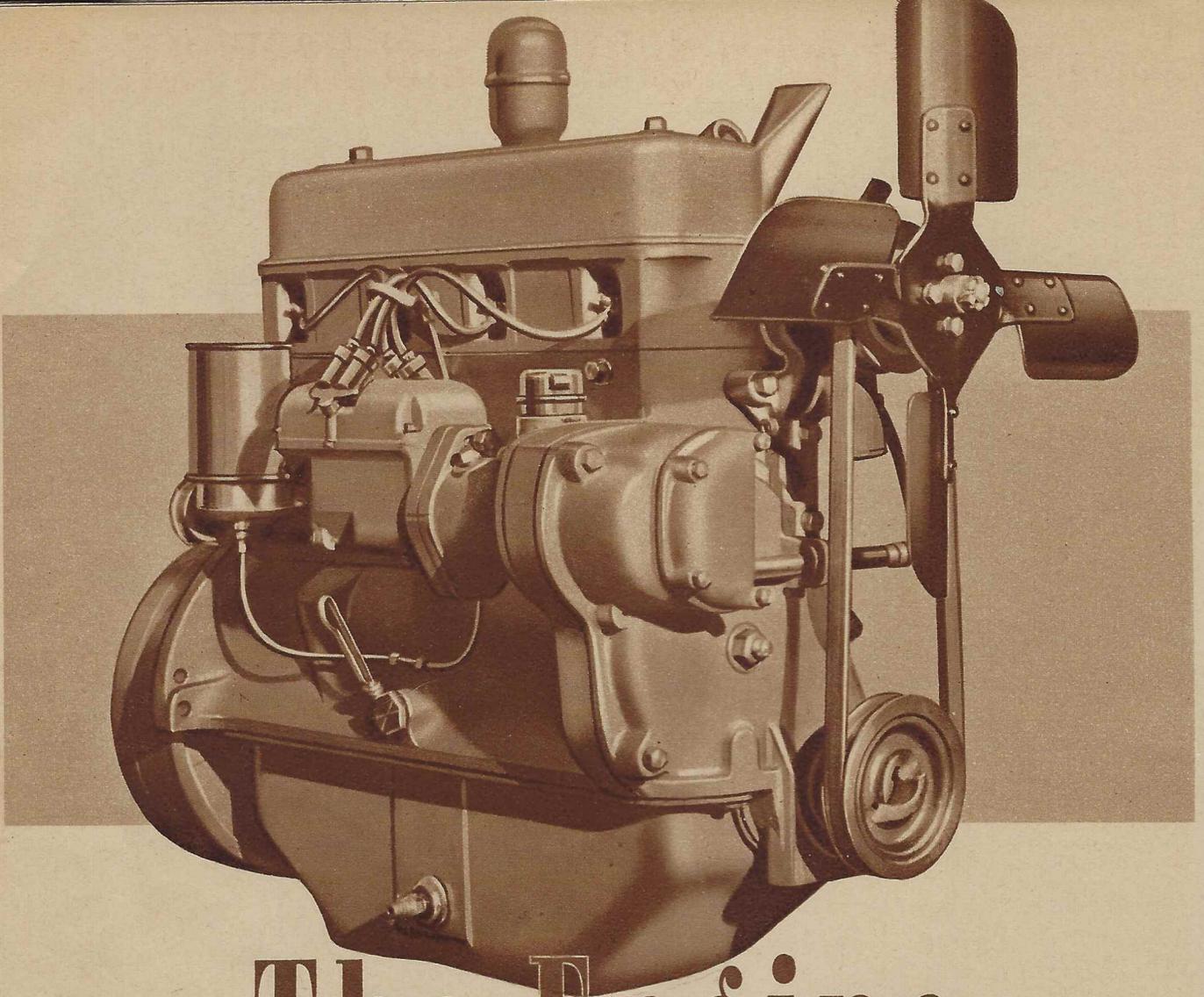
quickly and easily as a man. You simply drive the tractor into the cultivator, hook it up, and you are ready to go to work. Or, if you have been cultivating and wish to use the tractor for other work . . . you unhook the cultivator and back out. In either case, it takes only five minutes.



Turns in its Tracks

The tractor can be pivoted on either drive wheel. Powerful differential hand brakes—one for each rear wheel—turn the “WC” in its tracks. Time is saved and the number of acres cultivated each day is increased. The “WC”

swings around easily at the headlands without injuring tender plants. These brakes have many other uses which enable your tractor to do its job more efficiently. Convenient hand levers, within easy reach, make your work easy.



The Engine

A tractor is only as good as its engine, and tens of thousands of "WC" tractor owners today are still asking the question—"Where does it get all that power?" There is only one answer—BALANCED DESIGN.

The "WC" engine was designed especially for the Model "WC" tractor. It is *not* a truck or bus engine grafted into a tractor. It was never previously used in any other tractor. It is an Allis-Chalmers engine designed for an Allis-Chalmers tractor . . . *balanced* to the design and weight of the tractor.

It is simple, sturdy, compact . . . symmetrically proportioned. The power flows from it in smooth, effortless rhythm . . . no laboring, no vibration.

It is distinguished by large bearing surfaces; spacious cooling jackets; removable cylinder sleeves; inserted valve seats; complete protection against dust; water-proof ignition; positive, force-feed lubrication; accurately ground, highly polished working parts; superior fuel economy; close speed regulation by its built-in governor; and fine workmanship.

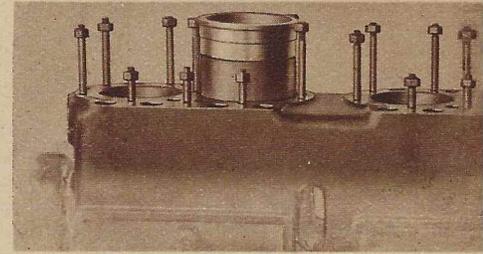
The "WC" engine is available in two types—the standard model, which operates on ordinary gasolines, kerosene or distillate . . . and the high compression type, which operates on 70 octane gasolines. You can order your "WC" tractor equipped with the type of engine you prefer . . . at no difference in price.

Features that mean SERVICE and PERFORMANCE

Removable Cylinder Liners

"WC" removable cylinder sleeves are made of special alloy metal, harder and much more durable than ordinary engine block metal. The interior of each sleeve is honed and polished to mirror-like smoothness, improving lubrication, lengthening cylinder life, assuring better compression and lower-

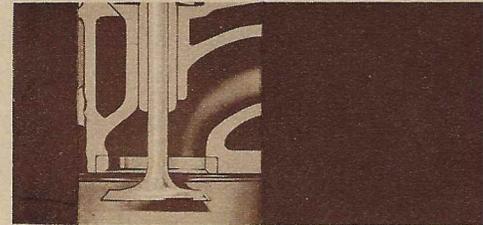
ing fuel consumption. Cooling efficiency is increased by the uniform thickness of the walls . . . the possibility of warped cylinders from uneven cooling is eliminated. And replacement costs are far lower than inaccurate reboring of an old-fashioned engine block.



Inserted Valve Seats

Allis-Chalmers pioneered inserted valve seats in farm tractors. These special heat-resisting, tungsten tool steel valve inserts are affected very little by the extremely high temperatures which exist at exhaust ports in any internal combustion engine,

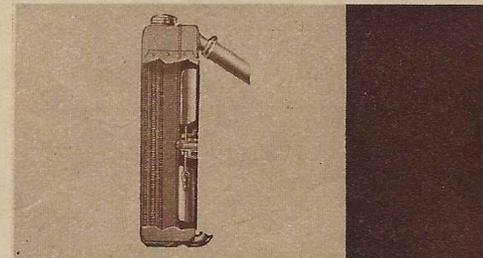
and which cause ordinary cylinder head metal to pit quickly. These Model "WC" valve inserts require fewer valve grindings and can be quickly replaced if necessary. Exhaust valves are of rustless, heat-resistant, silchrome steel.



Cooling System

A cup of water will usually replace a day's evaporation in the "WC" cooling system in the hottest weather. A temperature gauge is regular equipment on every "WC" . . . it enables the operator to hold the engine at the proper operating temperature, and prevents fuel wastage. The capacity of the

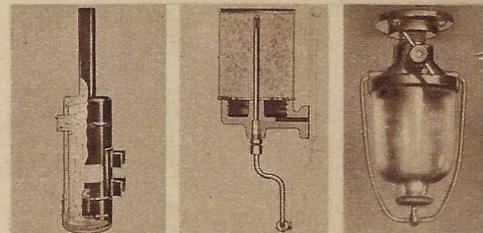
cooling system is 4 gallons, and the water is completely circulated and cooled every 12 seconds by the efficient packless water pump and 4-blade, 17-inch diameter fan, which operates at a speed of 1,775 r.p.m. Cooling jackets are spacious—designed to get maximum cooling efficiency.



Three Effective Dust Guards

Three efficient sentries protect the "WC" engine from dust and dirt—the arch enemies of every tractor. If dust seeks entrance through the fuel, it is trapped by the fuel filter. An effective oil filter removes it from the tractor's lubricating oil, while an oil-

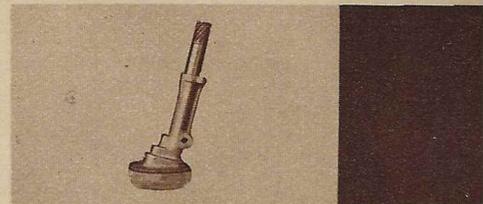
wash air cleaner purifies the air being taken into the carburetor. Even the crankcase breather has an air filter. Careful guarding against dust, dirt and other abrasive materials means longer life and lower up-keep costs for the "WC."



Positive Pressure Lubrication

Simple, efficient, trouble-free—that is the "WC" lubricating system. Oil is forced under pressure through drilled passages to all working parts by a powerful oil pump. There is no maze of pipes to crystallize and

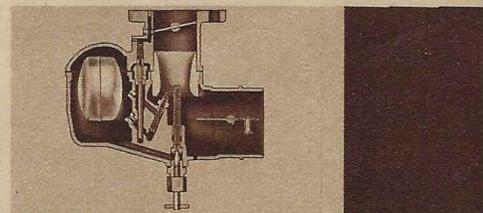
break, causing trouble and added expense. A constant supply of clean oil is maintained at all operating angles. Only six quarts are needed . . . sufficient to last for from 30 to 60 hours . . . real economy.



Burns Gasoline, Kerosene or Distillate

The "WC" carburetor efficiently handles gasoline, kerosene or distillate under all conditions. It is simple and easy to adjust. The "WC" is famous for its fuel economy. A tank-load of fuel—15 gallons—is good

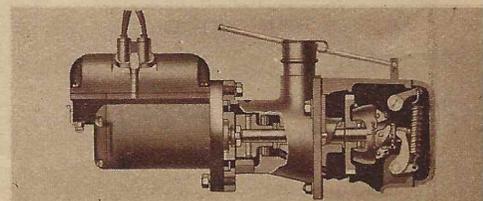
for a full day's run in average heavy work. Two types of engines are available . . . the standard, for ordinary gasolines, kerosene and distillate . . . the high compression, for 70 octane gasolines.



Governor Controlled

The "WC" engine is under governor control at all speeds, and the convenient hand throttle gives the operator close, accurate regulation of the engine's speed from idling to maximum. Built into the engine and

fully enclosed, this snappy, sensitive, fly-ball governor provides economical power at all loads and all speeds, saving fuel and assuring a smooth, steady flow of power on every job.

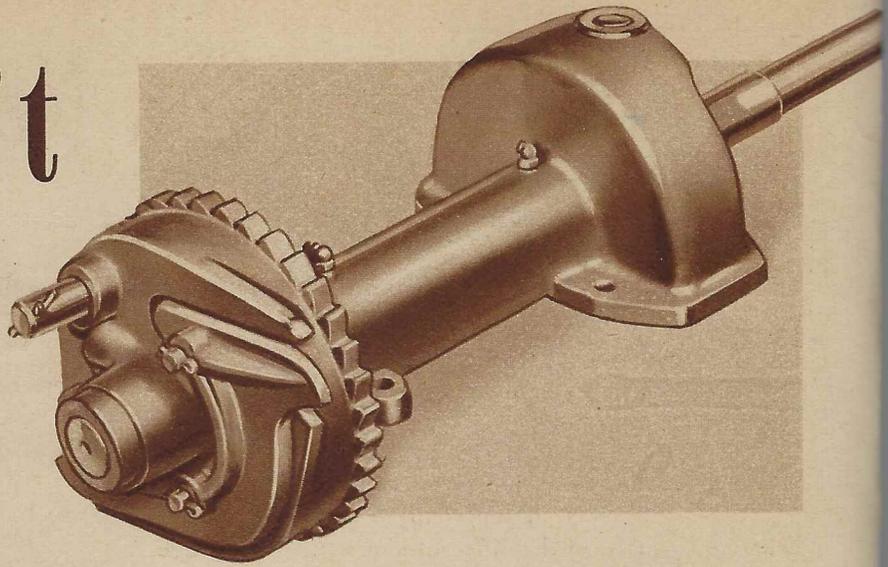


Power Lift

The power lift on your "WC" tractor will save you one hour and forty minutes in every 80 acres that you cultivate. As an example, take an 80-acre field . . . if the field is square, it can have 400 42-inch rows. The operator will have to work lifts and drops 200 times.

With the quick-acting "WC" power lift, he will save at least a half minute over hand lifting each time he performs this operation—100 minutes on the entire field, or one hour and forty minutes. This saving enables you to cultivate from $3\frac{1}{2}$ to $5\frac{3}{4}$ more acres each day, when traveling at speeds of 3 to 5 miles an hour.

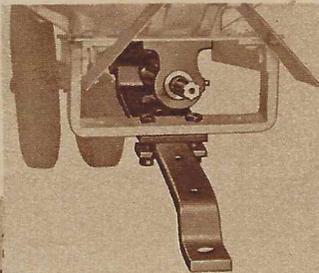
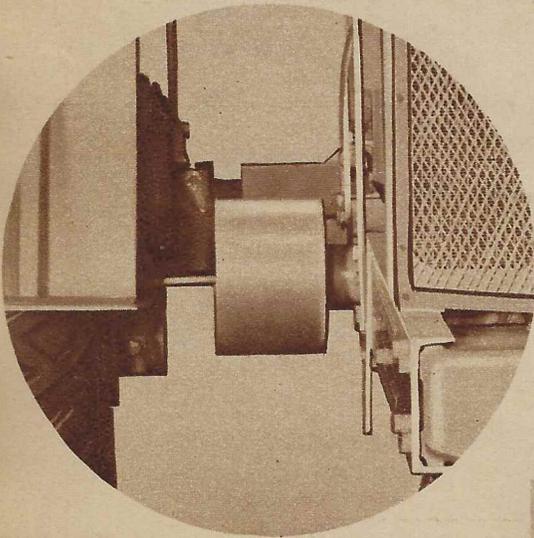
By covering these extra acres each day, it is



possible to do six days' cultivating in five days. Every week you save a day that can be devoted to handling larger acreages, raising other profit-making crops, caring for stock, or many other jobs. This valuable, time-saving "WC" power lift is adapted for all of the various "WC" cultivator, planter and lister attachments, and is sold as an extra.

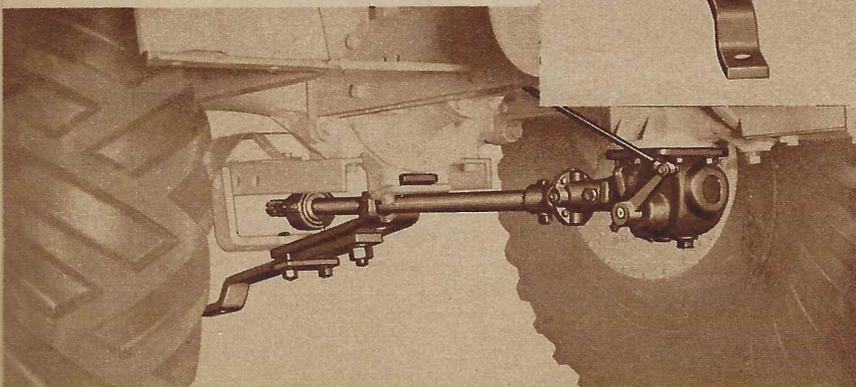
BELT PULLEY

An efficient belt pulley is regular equipment on the "WC." It has all the advantages and none of the disadvantages of ordinary clutch type pulleys. It is operated through the regular traction foot clutch, is easily disengaged when not needed, and the entire pulley assembly may be quickly removed from the tractor when desired. It takes its power from a bevel drive gear on the clutch shaft, which meshes with a bevel pinion on the pulley shaft. The gear and pinion run in oil. Upkeep expense is practically nothing, and there is nothing to get out of adjustment. The pulley is 9 inches in diameter, has a 6-inch face, and operates at 1,170 r.p.m.



POWER TAKE-OFF

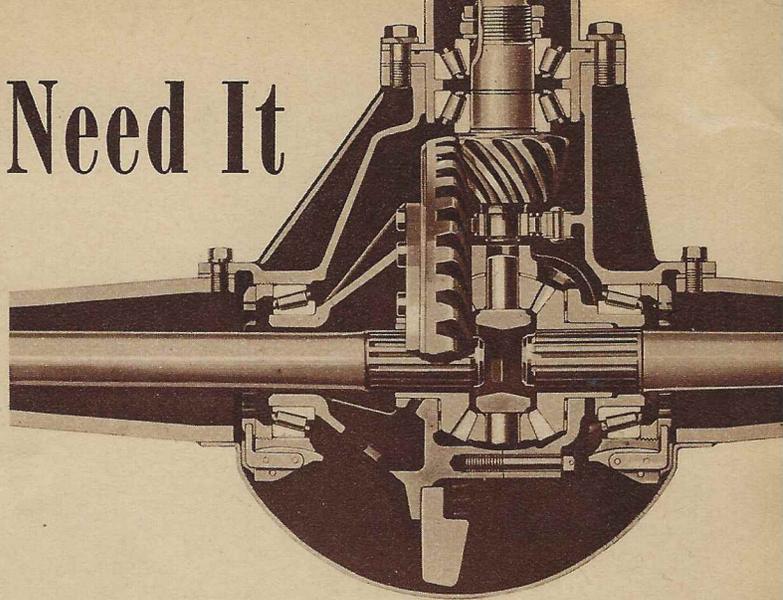
Like the rest of the tractor, the power take-off on the "WC" is sturdily and compactly built to do the most efficient work. It is available as extra equipment. This unit does not interfere in any way with the other operations of the tractor or belt pulley, and a separate throw-out clutch makes it possible to disengage the unit when it is not in use. It is easily attached, conveniently located, and operates at a speed of 535 r.p.m.



Power Where You Need It

One of the chief reasons why the "WC" will outwork and outpull any other tractor of similar weight is its High Traction Differential. This device actually delivers the greatest amount of power to the wheel that has the best footing. It delivers the power where it is most needed . . . and enables the tractor to pull greater loads than would be possible with a conventional type differential.

The High Traction Differential differs from the conventional type only in the shape of the teeth in the gears and pinions of the differential assembly. Through a patented tooth and gear design, power transmitted to either wheel is constant only when both wheels turn at equal speeds. Immediately upon a change in speed of one wheel, or a loss of traction, the four bevel pinions start to rotate on their respective shafts. In doing so, the teeth of the differential pinions make contacts at different points on the curved surface of the teeth of the



differential driving gear. This results in unequal leverage on the two sides of the drive, causing a greater amount of power to be directed to the wheel with the better traction. No power is wasted in turning a wheel which spins or slips for lack of footing.

How the High Traction Differential Directs Power

Notice in the diagram that point (A) is closer to the center line of the point of power applied than is point (B). This condition is similar to that found in Fig. 1. The closer the point of lifting is to the end of lever (A),

the more power exerted; and the farther away from the center of lift, the less power. This position is likened to that in Fig. 2, where it is shown that more power is now being exerted to the other side.

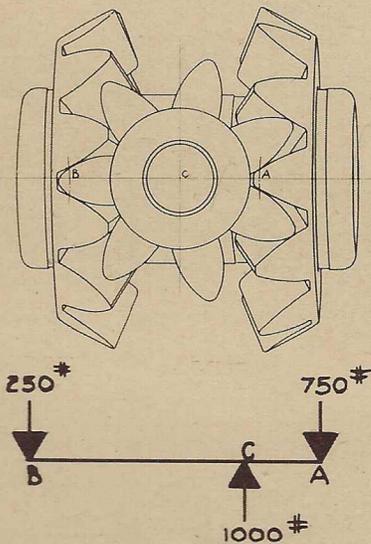


Fig. 1

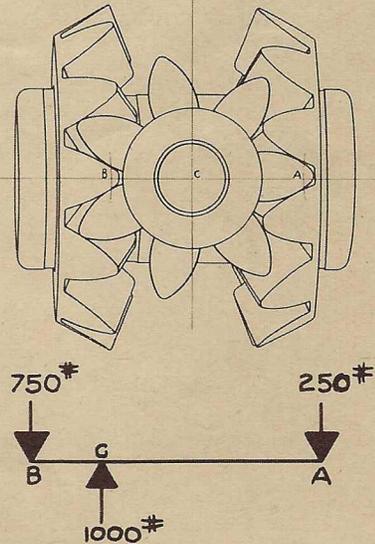


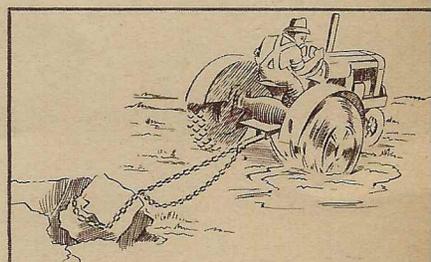
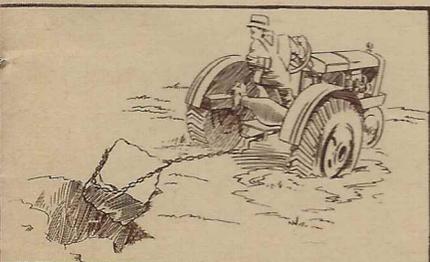
Fig. 2

CONSERVED POWER

One wheel down in a mud hole; a heavy load on the tractor . . . the "WC" High Traction Differential diverts the power to the wheel on firm footing, and the tractor moves ahead.

WASTED POWER

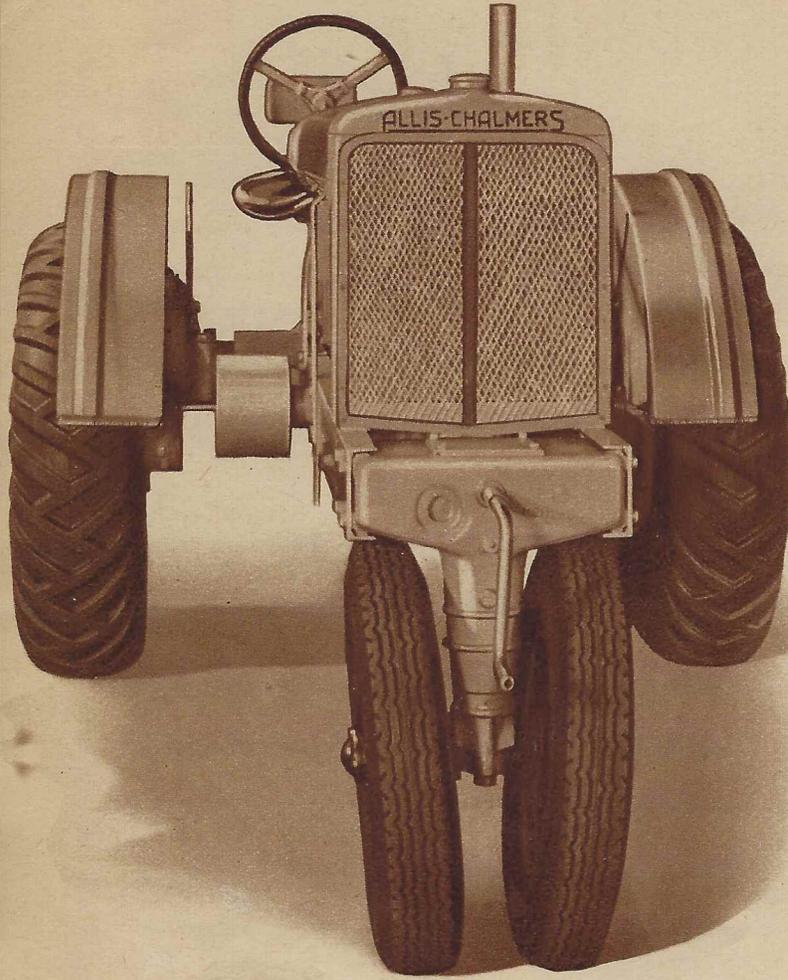
A tractor with a conventional type differential with one wheel in a mud hole . . . wastes its power in spinning the bogged wheel, while the wheel on firm footing remains stationary . . . and so does the tractor.



Steering

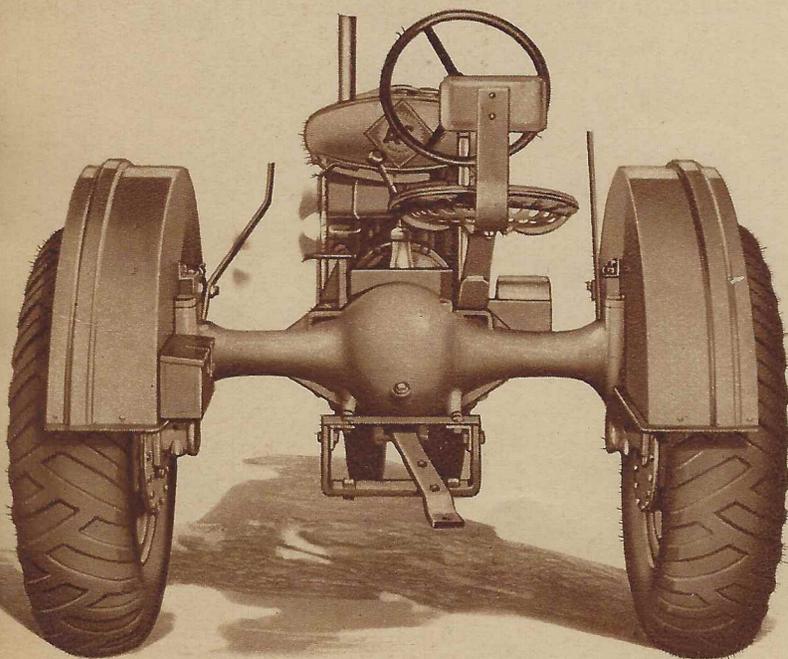
Shockless—Effortless

The special design of the "WC" steering mechanism removes two of the worst hardships of tractor driving. The old shocks felt at the steering wheel, and the resulting sore thumbs and hands, are gone. Likewise, the back-breaking job of fighting a hard-turning steering wheel has been banished by "WC" design. The ratio of worm and gear is such that steering becomes shockless . . . effortless. Rear wheel steering brakes make sharp turns even easier. Front wheels and steering mechanism are mounted on anti-friction bearings, and the wheels are castered back of the steering spindle shaft . . . another important advantage. The wheels are pulled—not pushed—by the tractor, and the tractor follows their lead in any ground conditions. When operating in sand or loose dirt, the Model "WC" can be steered with the same accuracy as on firm, hard ground.



Clear Vision

The simple, clean-cut rear end construction affords you a clear view of every operation. You don't have to twist yourself into unnatural, uncomfortable positions to see your work when driving the "WC." The adjustable backrest makes riding easier. All controls are within easy reach, and the large, strong, protective fenders are regular equipment. The rear platform is large enough for a man to stand on and operate the tractor. The strong, swinging drawbar, is adjustable to many positions. The simplicity of the rear end construction of the "WC" is typical of the entire tractor's design.



Gears

After being forged and normalized, to remove any stresses that may have been set up in the metal, the forging is machined. Precision machinery accurately cuts and shapes the teeth. Then the gears go through a series of heat treatments, carburizing and hardening operations in thermostatically controlled ovens and vats, after which they are finish ground. The result is a flawless, smooth-grained gear, free from distortion, with a tough, ductile core and an outer surface of tool steel hardness, machined to symmetrical proportions and carefully checked for accuracy with special instruments.

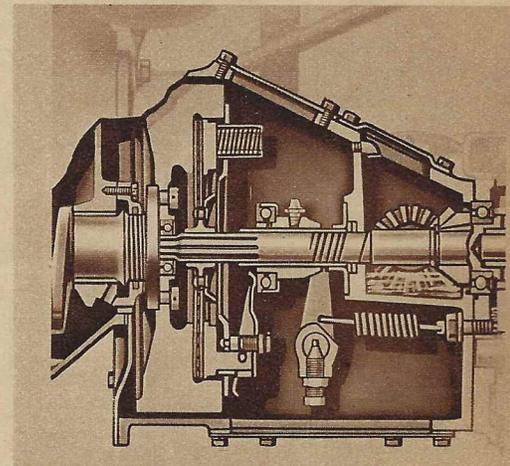
Given proper lubrication, "WC" gears will outlast the tractor.

Allis-Chalmers numbers among its engineers the world's greatest authorities on gear practice. "WC" gears are more than just tough metal. They are a combination of strength, wear resisting qualities and symmetry that only the most advanced knowledge and scientific equipment can produce.

They are made of special analysis nickel steel, which must pass through a long series of operations before the finished gears are completed.

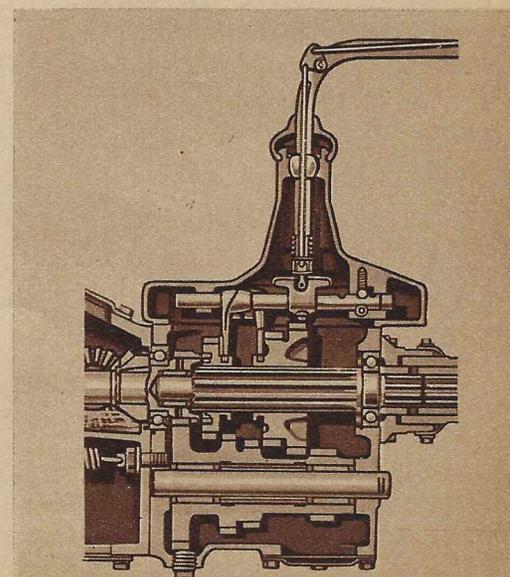
Clutch

Simple, dependable, positive acting—the efficient "WC" clutch is built to transmit the full power of the engine to the drawbar, belt or power take-off. The clutch is the dry-plate type, operating on high grade anti-friction bearings in a sealed compartment. It is easily adjustable for wear, and has sufficient take-up to give years of satisfactory service. The foot pedal is provided with a locking device to hold it in the disengaged position.

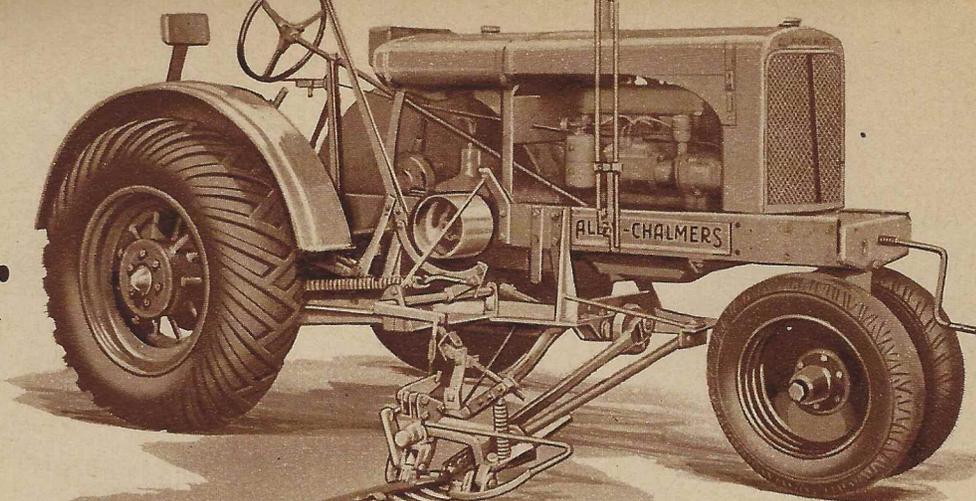


Transmission

The four-speed transmission is designed to transmit power to the drawbar with a minimum of wastage. Shafts are made of the finest steel, sufficient in size and strength to withstand the severest strains of tractor operation. Mounted on anti-friction bearings and running in oil, completely protected from dust and dirt, they are built to give years of satisfactory, dependable service.



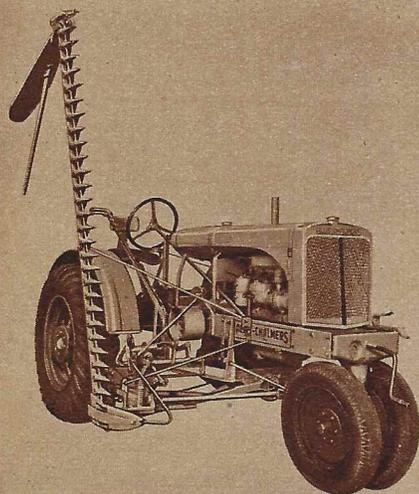
Full-View Safety Mower



The "WC" full-view safety mower not only eliminates most of the dangers of other types, but makes hay cutting an easier, faster and more pleasant job.

The mower is mounted ahead of the driver's seat—not behind it. The cutter-bar is always in full view of the operator, where he can see animals or obstructions that might get in its path. If the operator should accidentally step or be knocked off the tractor, there is no danger of falling in front of the knife. The cutter-bar is designed so that it will break back when it strikes an obstruction, such as a stump or line post, the sickle is automatically stopped, and damage to the machine is prevented. When objects such as stones, heavy sticks or pieces of wire become lodged in the guards, stopping the knife, an automatic slip clutch protects the mower from breakage.

The cutter-bar is easily raised to transport position and does not interfere with the tractor when used for other drawbar operations. The cutter-bar is raised or lowered by a combination foot and hand lift. Either or both may be used. When raised to extreme height, the hand lever locks the cutter-bar in transport position. The entire unit is easily attached to or detached from the tractor. Final drive and flywheel wrist pin are mounted on anti-friction bearings. Pressure gun lubrication is used throughout. It is not necessary to remove the belt pulley when attaching the mower to the tractor.

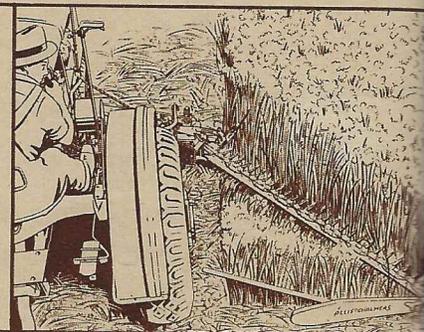
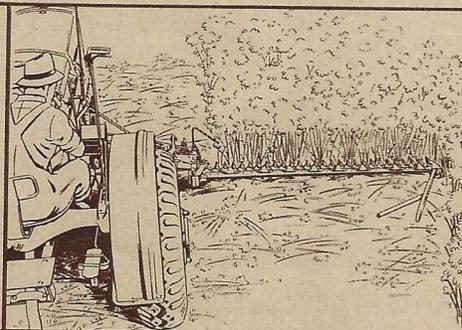
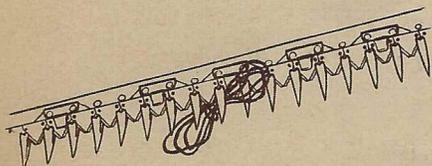


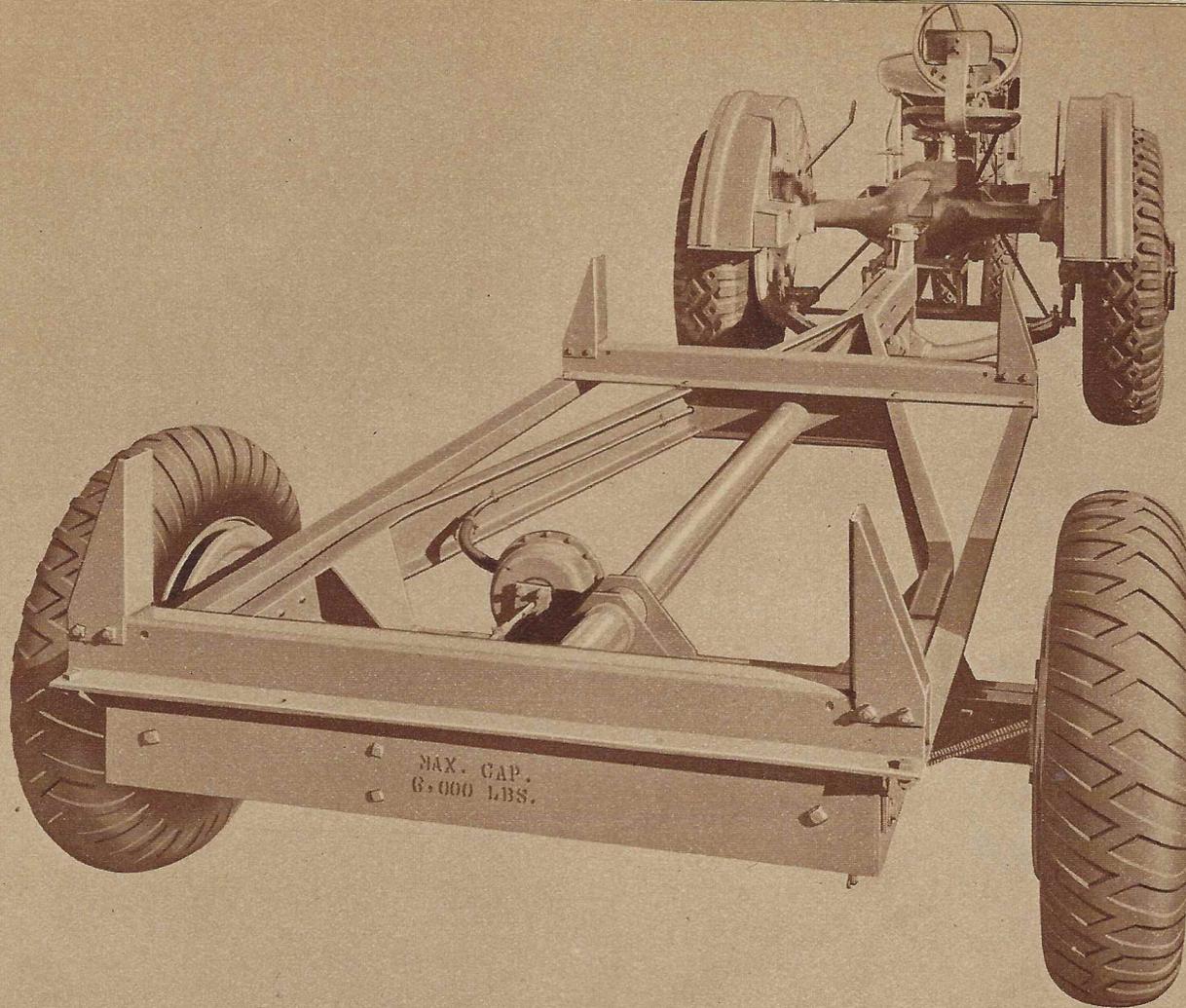
Protection for You and Your Machine

A slip-clutch prevents breakage when the sickle is stopped by wire or stones becoming lodged in guards.

Ahead of the drive wheels, the cutter-bar is in full view; there is no danger of the driver falling in front of its sharp knife.

If you hit a stump or line post, the cutter-bar breaks back, stopping the sickle before damage can be done.





New Farm Trailer

Always first to enjoy the benefits of new and better farm equipment . . . always first in opportunities to avail themselves of new methods for increasing farm profits, Allis-Chalmers owners are now offered a new, low-cost farm hauling unit—the A-C Farm Trailer—designed and built especially for use with the “WC” tractor.

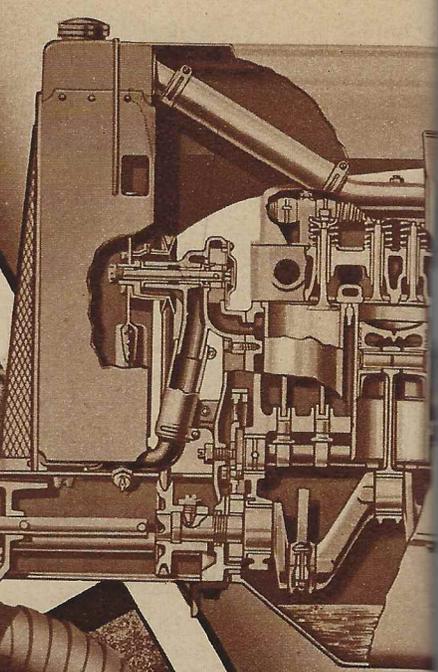
Here is a simple 3-ton, quick-hitch farm trailer that will further increase the usefulness of your “WC” tractor, reducing your investment in equipment to a still lower level. Now you can handle *all* of your hauling jobs—on the road or around the farm—with your “WC” tractor.

The all-steel construction of this unit is simple and sturdy. It is mounted on 7.50x16, 8-ply, heavy-duty rubber tires. Either a 38-inch or 42-inch standard wagon box or rack will fit its adjustable bolsters. The load is carried on a tilting

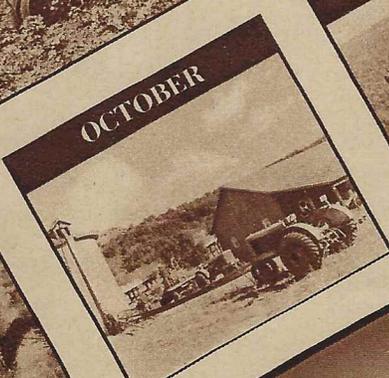
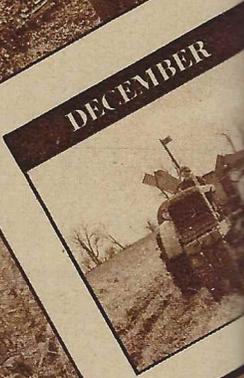
sub-frame, equipped with hoist blocks to permit easy unloading, where dumping is essential. Two removable bolts and two pins allow the entire hitch assembly to be detached from the tractor in less than two minutes. A lifting jack is regular equipment.

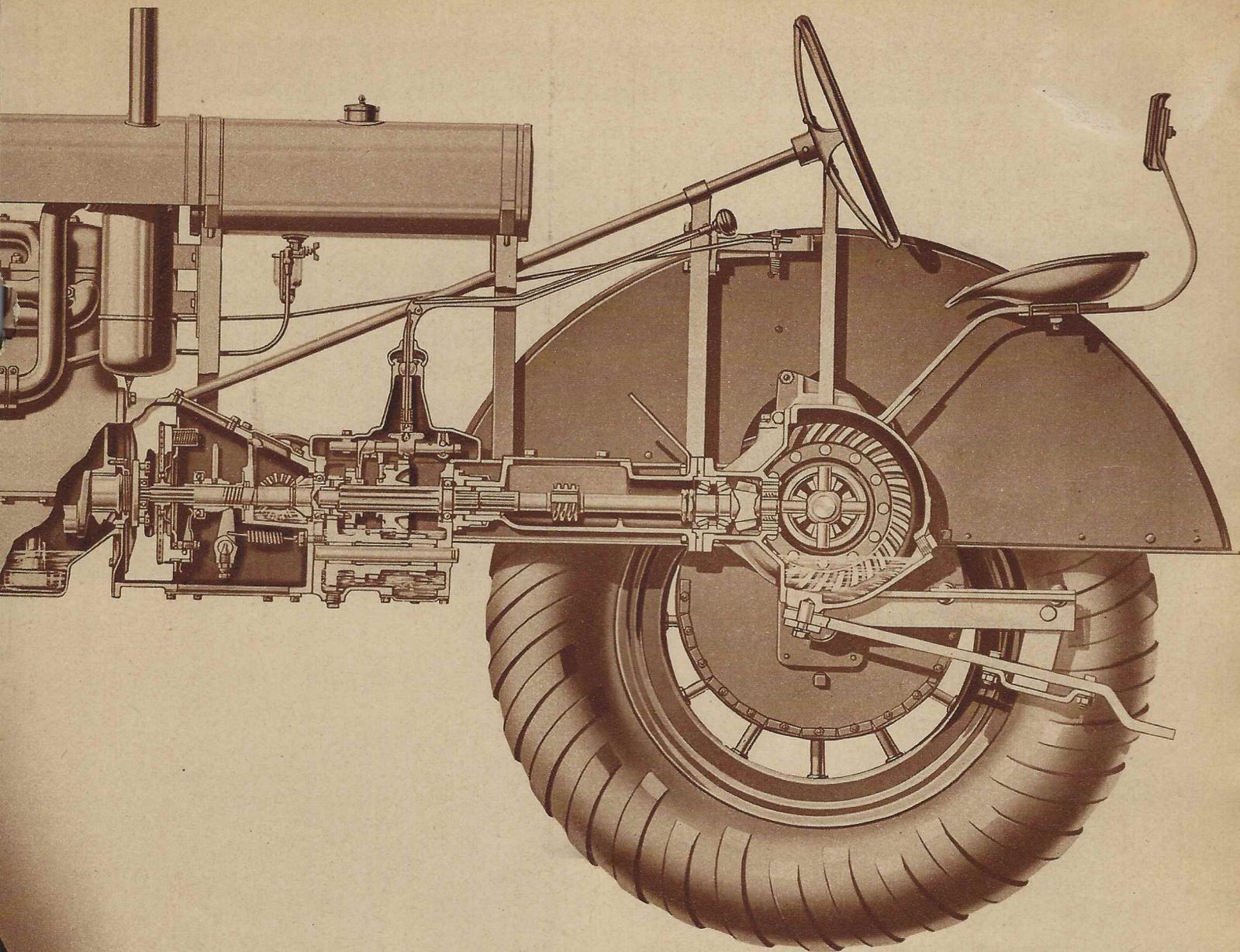
The hitch is designed so that the pivot point for turning is behind the tractor wheels, while the correct proportion of trailer weight and payload is applied under the center of the rear axle of the tractor . . . low enough to eliminate any tendency to raise the front end of the tractor. Tractor and trailer can turn completely around in a 30-foot circle.

The trailer is available with or without brakes. The brakes are vacuum type, controlled from the driver's seat, and operated by the tractor engine.



"WC" Calendar





YEAR 'ROUND POWER

with the ALLIS-CHALMERS model

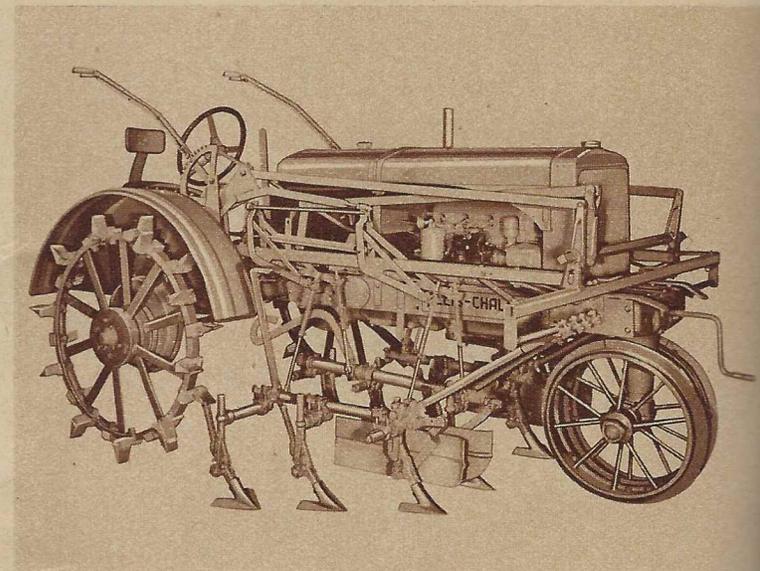
WC

No. 20 SERIES - Northern Cultivator

A modern two-row pipe gang cultivator of exceptional strength, with high and level lift. Power lifted for convenience. The No. 20 is regularly equipped with spring trip, heavy flat shanks and shovels. Individual depth levers control the depth of cultivation. Adjustable arches for the gangs are lever controlled, and they can be set so as to allow for cultivation as close to the crop as its condition warrants. The No. 20 will cultivate rows from 34 to 44 inches apart. Can be attached or detached in 5 minutes.

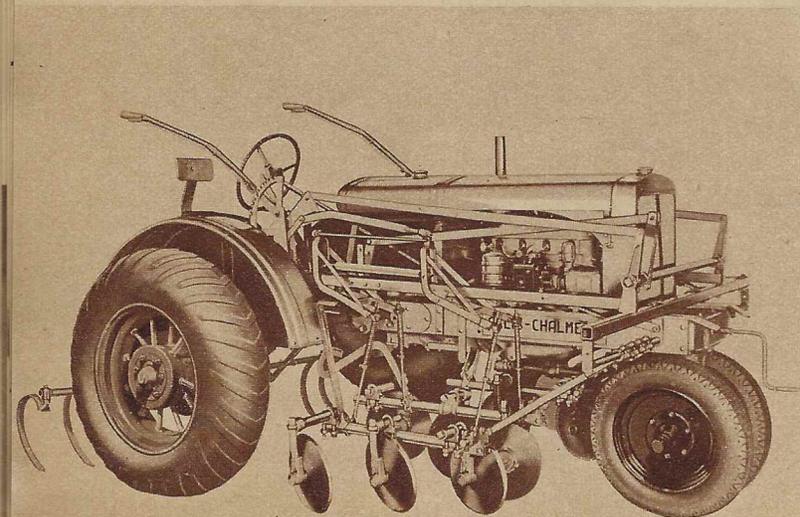
No. 40 SERIES - Southern Cultivator

A two-row heavy duty pipe gang cultivator for cotton and corn. It comes regularly equipped with eleven 8-inch sweeps with round shanks. The No. 40 cultivates all the ground on row widths from 34 to 44 inches. It is equipped with quick-acting gang spacers and independent gang depth levers. The adjustable arches for gangs are lever-controlled, and can be set so as to allow for cultivation as close to the crop as the condition warrants. The No. 40 is designed for high clearance and great penetration.



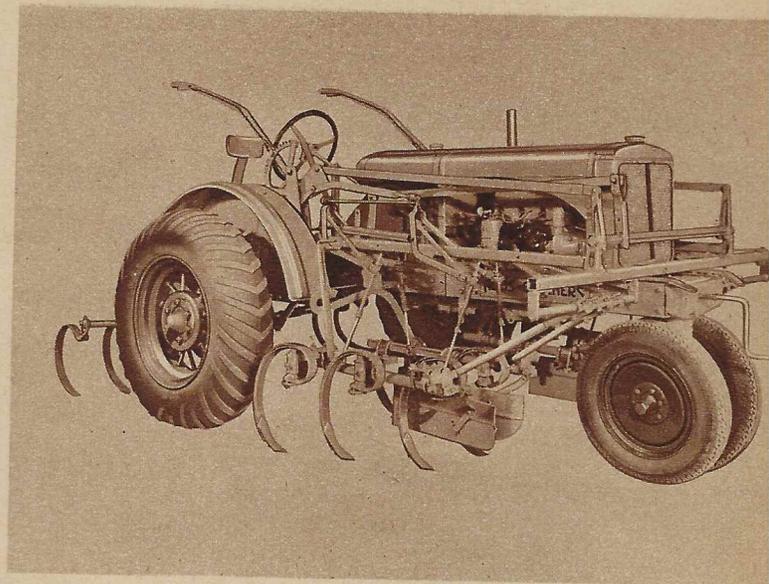
No. 45 Two-Row Disc Cultivator

This two-row disc cultivator is especially adapted to fields infested with trailing weeds and vines, and it is unexcelled for working in heavy gumbo soils. It will do good work, however, in any soil. The discs do an excellent job, cutting through and rolling over obstructions. Disc standards and discs are also applicable to the No. 20 series cultivator when ordered with cross-heads to take the round shanks.



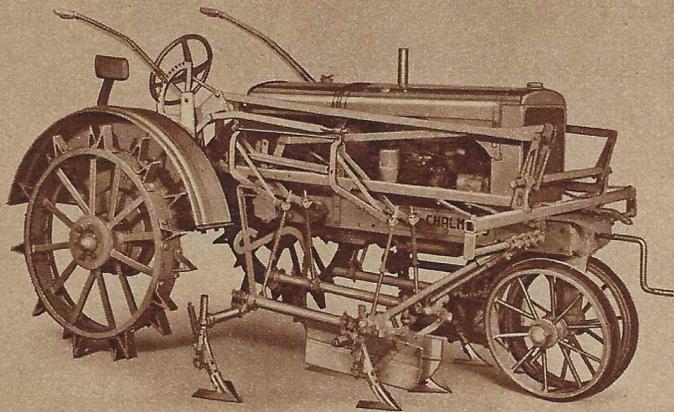
No. 22 Spring Tooth Cultivator

This two-row pipe gang cultivator, equipped with $3\frac{1}{4}$ x 11-inch D.P. spring tooth shovels, is ideal for fine working of the soil. Power lifted. Will cultivate all the row in spacings from 34 to 44 inches. Quick acting lever spread arches, pre-determined high and level lift, and ample clearance . . . you get all these features on the No. 22. It has great strength for all conditions of soil. With spring teeth, the No. 22 makes an excellent cultivator for potatoes.



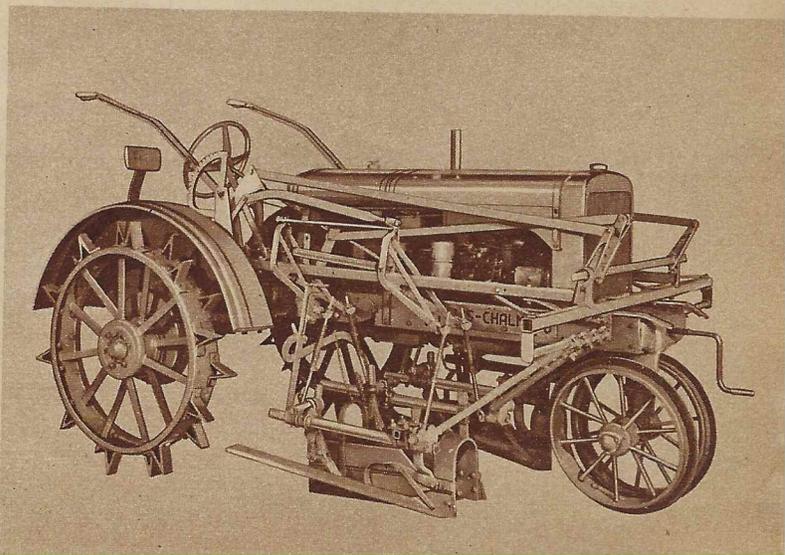
No. 44 Cotton and Corn Cultivator

The No. 44 is a two-row pipe beam shovel cultivator for corn, cotton or other row crops planted in rows 34 to 44 inches apart. It has all the modern features of other Allis-Chalmers cultivators, including high and level lift, and the 5-minute quick detachable hitch. Standard equipment includes seven 8-inch sweeps. The No. 44 has been designed and built especially for the grower who uses this type of cultivator in his regular farm work.

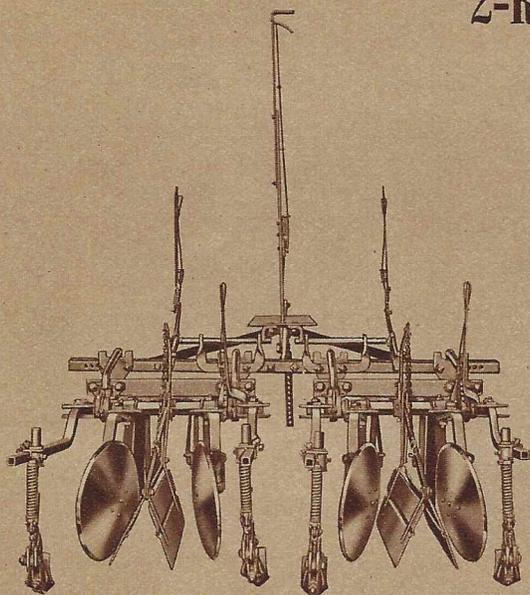


No. 46 Listed Cotton Cultivator

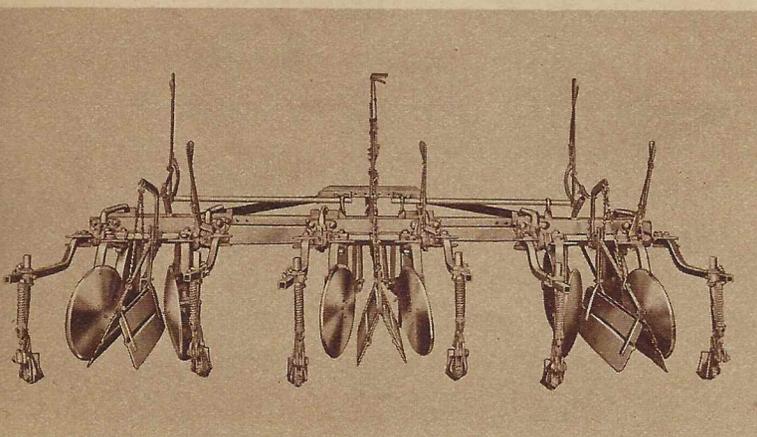
The No. 46 is a two-row pipe gang cultivator for working in listed cotton. This machine comes regularly equipped with two sets of 40-inch knife attachments and four 8-inch sweeps. It cultivates all of the ground on rows 34 to 44 inches apart. If it is desired to convert the No. 46 for surface cultivation, the knives may be removed and round trip shanks attached.



2-Row and 3-Row Pull-Type Listed Crop Cultivators



These cultivators are designed for working in trenches of listed crops. They are equipped with adjustable master lever controls for raising and lowering, which are within easy reach of the operator, and separate lever controls to shovels, discs and fenders. Each gang is attached to the main front frame bar by link-type drawbars, which permit uniform and straight cultivation, regardless of irregular row spacings, and conform themselves to the trenches. Each gang is independent for maintaining uniform working depth regardless of ground contours. Cultivating gangs are alike for all sizes. Shields are adjustable fore and aft to set close to or back away from the discs for the required clearance. Shovel clamps are adjustable forward or back, and they can be reversed or attached to the drag bar in inner or outer positions. These cultivators are perfect tools for throwing in or throwing out.

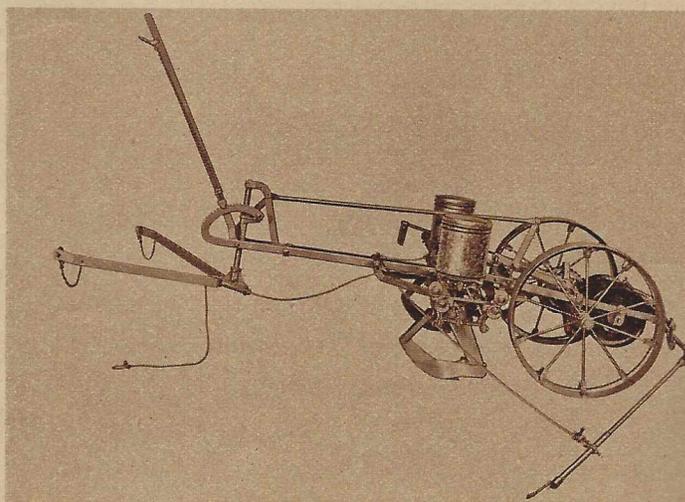


Fully equipped with pressure gun lubrication.

These modern cultivators will cultivate rows 36 to 48 inches apart.

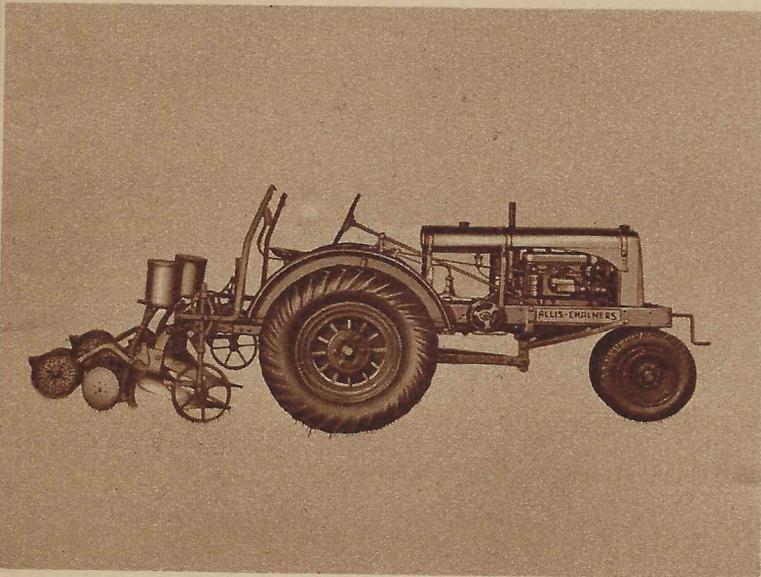
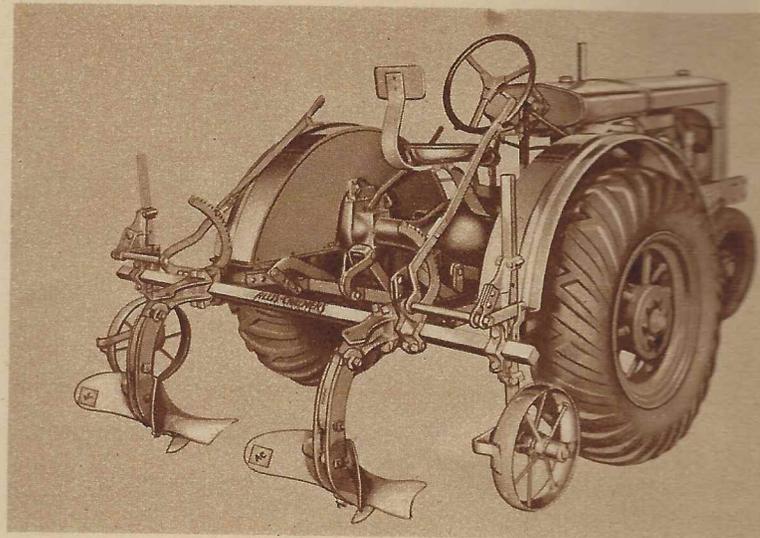
Check-Row Planter

Here is a new check-row planter that will increase your planting capacity. Single cell edge drop for seeds assures accurate planting; simple, trouble-free automatic marker; automatic check wire release; large capacity seed cans; pressure wheel scrapers; specially designed valve, the mechanism of which does not scatter the kernels; balanced lever lift; double dog lever latch which gives excellent depth control; and seat-controlled variable seed drop. These and many other outstanding features are included on the A-C check-row planter.



No. 450 Wheatland Listing Plow

Quick detachable, integral-type wheatland listing plow designed especially for the “WC” tractor. Exceptionally high lift; each side has a separate lever control. Friction-type foot-pieces adjustable for increasing or decreasing suction. It has a three-hole clevis arrangement for attaching. Can be equipped with corn planting attachment, disc or shovel coverers and press wheels. Regularly equipped with No. 115 lister bottoms. It is adjustable for planting widths of 30 to 42 inches.

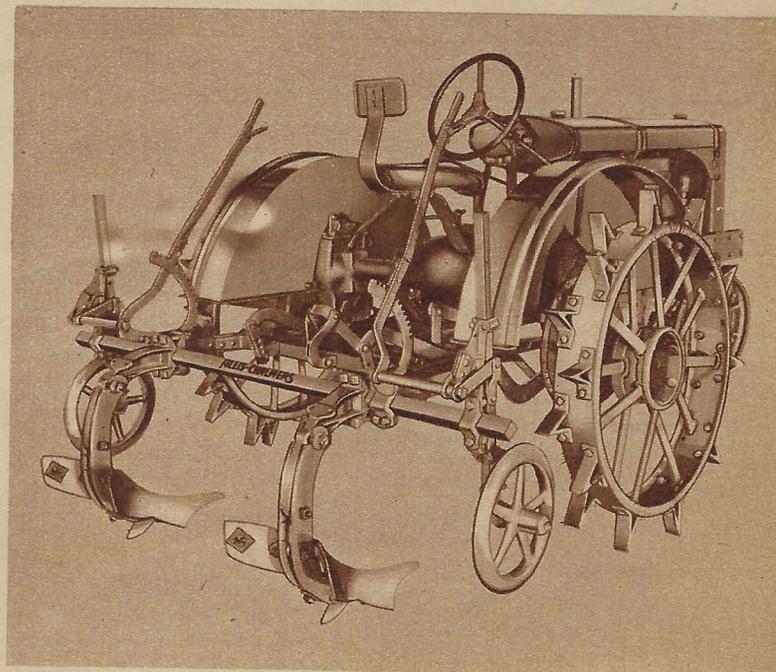


No. 452 Corn Lister

This tool is especially designed for the listed corn areas. Regular equipment includes No. 115 general purpose bottoms, subsoilers, disc coverers and self-cleaning press wheels. This lister can also be equipped with shovel coverers, and when so equipped becomes the No. 451. It is adjustable to planting widths of 30 to 42 inches.

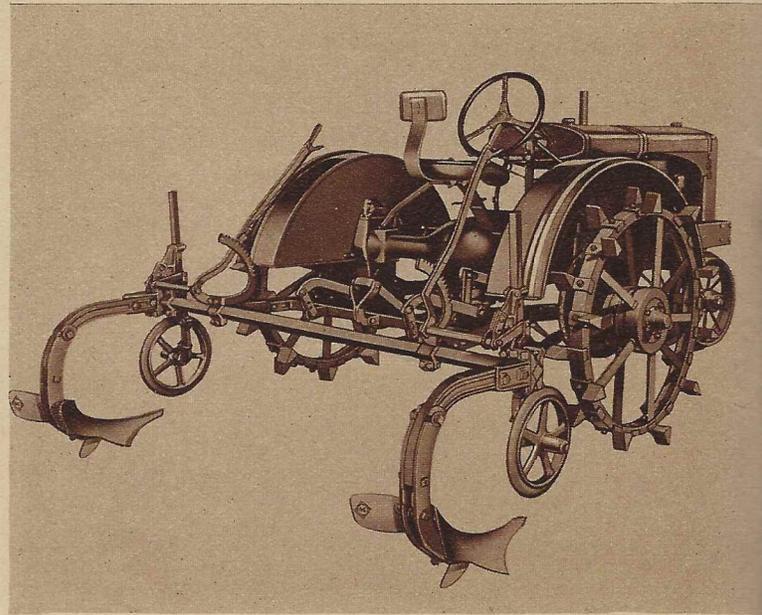
No. 250 Cotton Bedder

Regularly equipped with No. 113 blackland bottoms for bedding and rebedding. Wide wing shares completely cut out all of the beds, assuring a well-prepared seed bed of uniform depth. There is ample clearance for transport, and 18-inch collapsible clearance under share points in field work. It can be equipped with large balloon-type cotton cans or corn cans. Picker wheel for planting cotton, and suitable plate equipment for planting corn and other forage crops. Other type bottoms available; also 24-inch plow and planter sweeps. Other gage wheels available—convex steel, and 4.00x16 single-tube rubber-tired wheels.



No. 250 Bedder, Offset Beams

This attachment is excellent for bedding offset rows, and assures uniformity of row spacings without a separate marker. It is equipped with offset beams, No. 113 blackland bottoms and 22-inch wide wing shares. The offset beams constitute a separate attachment known as No. 15, which includes two long beams with separate sets of open foot shanks. This attachment is made up by removing from one short beam, regular with the bedder, the open foot shanks, and attaching these to the long beam. A planting attachment cannot be used on these beams.

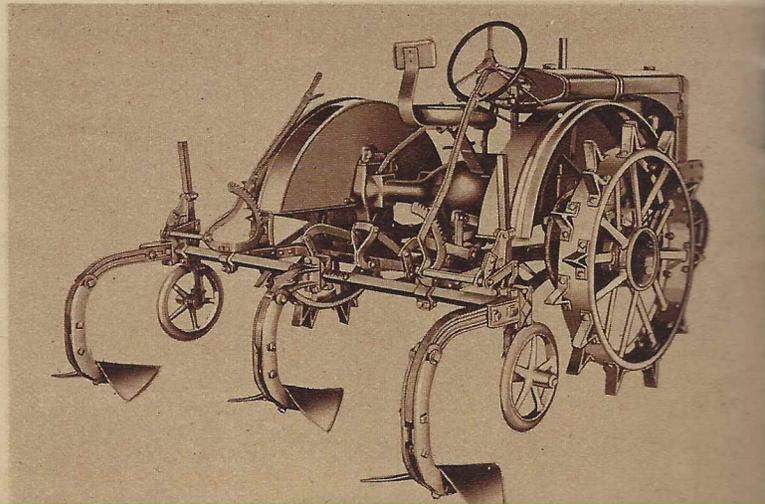


No. 250 Bedder with No. 25 Planting Attachment

Regularly equipped with large balloon-type cotton planter cans and picker-type wheel. This unit is also suitable for planting corn and other forage crops. Standard equipment includes chilled point subsoilers and spring trip shovel coverers, which meet the various conditions in the South for sandy, black or mixed land. Disc coverers can be supplied at slight additional cost. It is adjustable for planting widths of 30 to 42 inches.

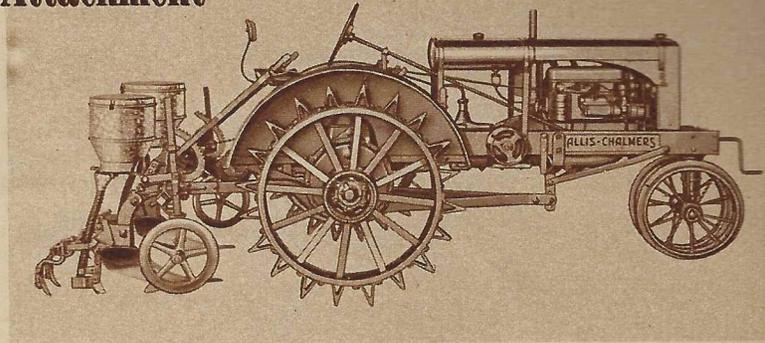
No. 250 Bedder, Offset Beams, Center Attachment

This bedder makes a splendid device for sweeping the cotton middles. It is equipped with offset beams, center attachment and 26-inch planter sweeps. The No. 15 offset beams are used in addition to the regular stub beam. This arrangement eliminates the necessity of purchasing complete an offset beam and center attachment as a separate unit. The long square tool bar permits the making up of many different tool arrangements.



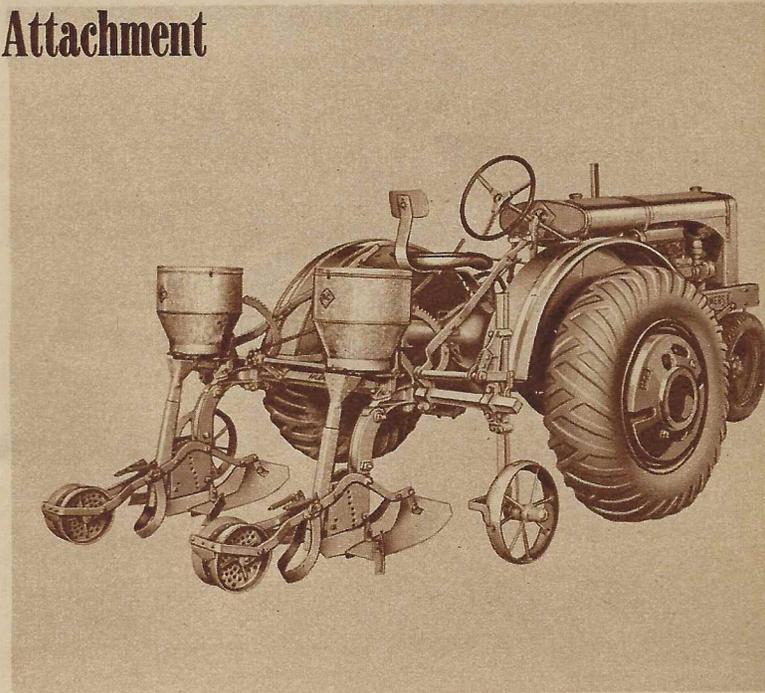
No. 250 Bedder with No. 29 Planting Attachment

The No. 250 bedder, when ordered with the No. 29 planting attachment, is equipped with double-pointed shovel openers, balloon-type cotton and corn cans, and friction break shovel coverers. Press wheels are also available, if desired. This unit may be furnished, too, with convex steel or rubber-tired gage wheels.



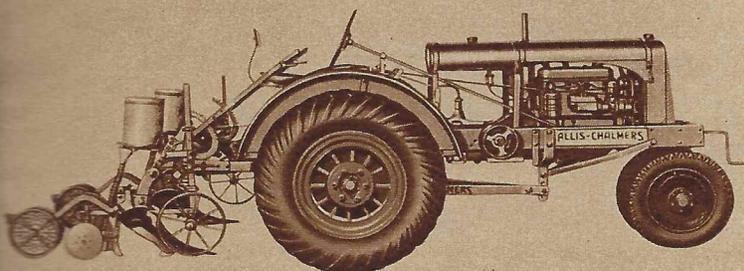
No. 250 Bedder with No. 28 Planting Attachment

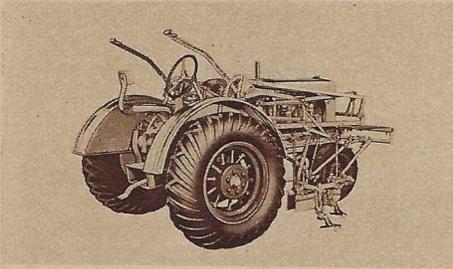
This planter is especially designed for planting on beds, on the surface, or in trenches, and it has large runners for surface or bed planting. Regular equipment includes skids with angling iron attachments for leveling the beds, pressure knife coverers, and press wheels. Accurate planting is made possible by picker-type wheel cotton drop and gate regulator. This attachment will also plant soaked seed accurately. The planting mechanism throws in or out of gear automatically.



No. 250 Bedder with No. 30 Planting Attachment

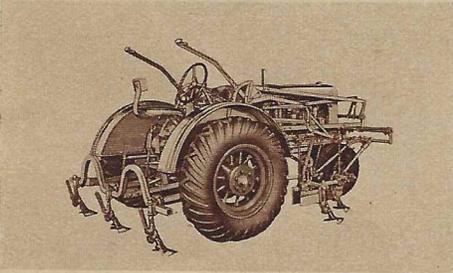
The No. 30 planting attachment, as shown here, includes disc coverers and self-cleaning, cast, open, press wheels; regular corn cans; and the famous Allis-Chalmers picker-type feed with gate regulator. A suitable corn and forage crop plate is also furnished. The attachment has double pointed shovel-type openers or subsoilers. It is used only with No. 250 bedder.





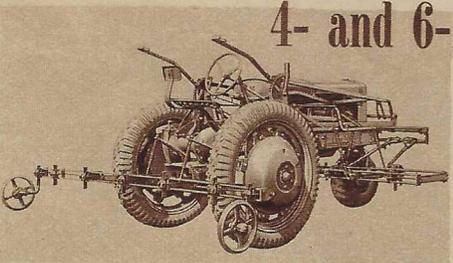
No. 51 Cultivator

This two-row pipe gang cultivator has heavy round spring trip shanks; predetermined lift; separate gang control levers; hand lever spread arches; and extra high lift. This unit is an exceptionally high lifting cultivator with an adjustable lifting arrangement. Handles rows of 34 to 42 inches in surface planted crops.



No. 52 Cultivator

This cultivator is equipped with eight 8-inch sweeps and three rear sweeps for sweeping middles. It has heavy spring trips with round shanks, extra high predetermined lift, separate gang control levers and hand lever spread arches. Adjustable lifting arrangement. Handles rows of 34 to 42 inches in surface planted crops.

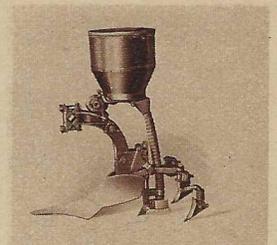


4- and 6-Row Combination Beet and Bean Cultivator

A modern cultivator, pictured here without sweeps. The long tool bar allows for spacing of sweeps, shovels and teeth to fit a variety of row widths and methods of planting. Cultivates four rows in wide-spaced crops and six rows in narrow-spaced planting. Has all the features of other Allis-Chalmers cultivators—high clearance, quick hitch, predetermined lift—plus the quick change to handle varying row widths.

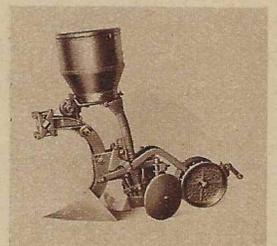
No. 25 Cotton and Corn Planting Attachment

This is the regular planting attachment for blackland areas. It has large balloon-type cans; double-plate type picker wheel for planting cotton; spring trip shovel coverers; and chilled point subsoilers. Suitable equipment for corn and other forage crops. This attachment is used only on the No. 250 bedder. When equipped with disc coverers, in lieu of shovels, it becomes the No. 26 planting attachment.



No. 27 Cotton and Corn Planting Attachment

Especially desirable where a small runner opener is required in place of regular subsoiler. Includes disc coverers, but can also be supplied with friction-break or spring-trip shovel coverers. Can be used instead of a subsoiler when regular lister bottoms are used, but it is especially desirable when the open foot shanks are equipped with planter sweeps.



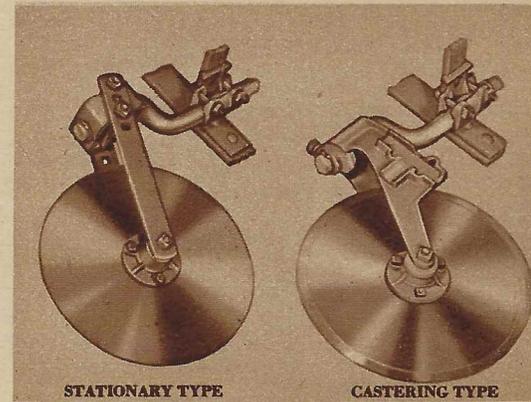
No. 28 Flatland Planting Attachment

The No. 28 flatland planting attachment is equipped with skids, angle iron levelers, spring pressure knife coverers and self-cleaning press wheels. It is used only on No. 250 bedders.



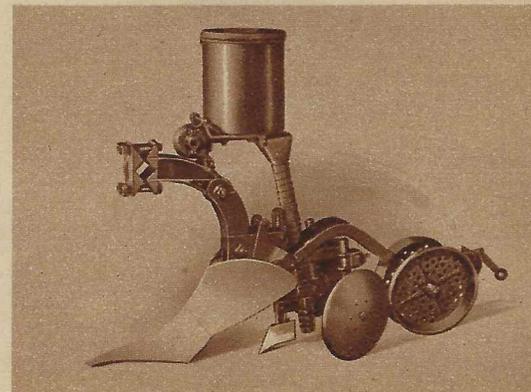
Rolling Coulters

Designed for use on bedders, bedder planters, and listers. These coulters are furnished in both casting and stationary types. The stationary, or rigid style is very desirable in southern territories and it has the particular advantage of maintaining its stationary position when backing. The casting type is more generally used in northern territories. Rigid coulters are 15-inch, and casting coulters are available in either 15-inch or 18-inch sizes.



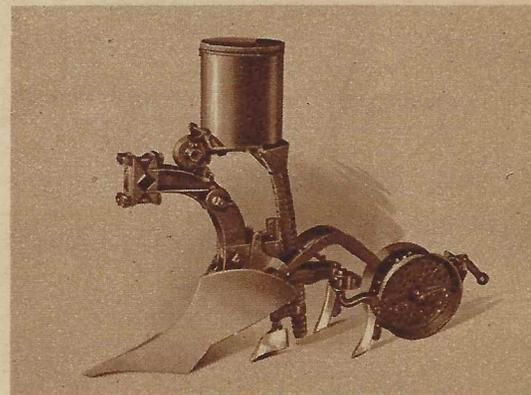
No. 32 Corn Lister Attachment

This attachment, when used on the No. 450 listing plow, forms the No. 452 corn lister planter. It is regularly equipped with disc coverers, press wheels and wing-type subsoilers, and makes an ideal unit for the listed corn areas.



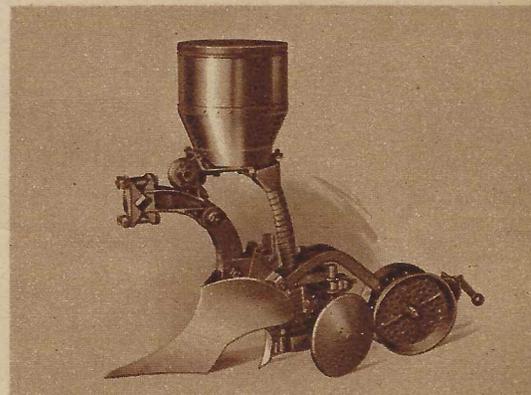
No. 31 Corn Planting Attachment

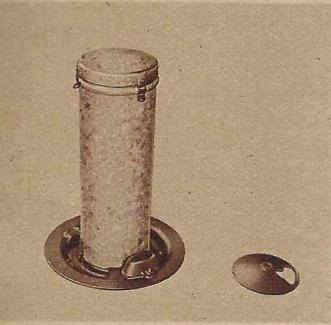
This attachment is excellent in territories where soil is free from trash and scouring is not a problem. It is the same as the No. 32, except that it is equipped with friction break shovel coverers. When attached to the No. 450 listing plow, it becomes the No. 451 corn lister planter.



No. 30 Cotton and Corn Planting Attachment

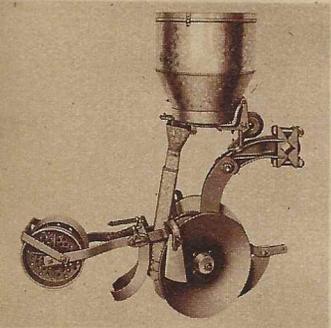
For use only on the No. 250 bedder. Regularly equipped with disc coverers; double-pointed shovel openers or subsoilers; self-cleaning, cast, open press wheels; balloon cans; and double-plate, picker-type feed with gate regulator. Suitable corn and forage crop plates are available in three sizes. It can also be supplied with friction break shovel coverers as the No. 29 planting attachment.





Pea Attachment

This attachment is adaptable to any A-C lister or planter using regular balloon-type cans. It has a double cut-off arrangement to plant peas along with corn or other forage crops. The pea cut-off is enclosed within a separate can which fits inside the main grain can, keeping the two kinds of seed separated.

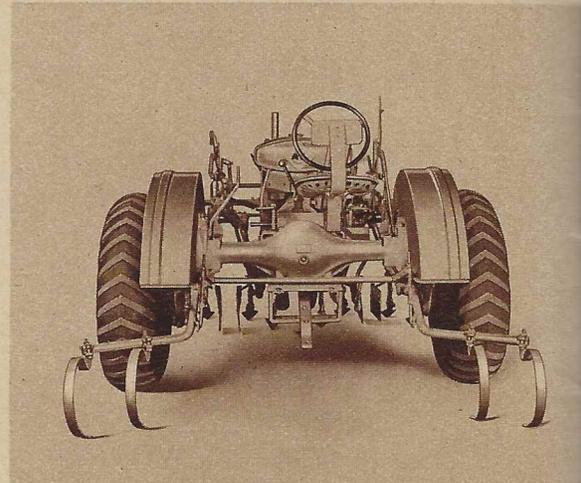


No. 34 Loose Ground Lister

Very desirable for listing in plowed land. This attachment is available with 16- or 18-inch discs. It has large runner-type, pressure coverers and self-cleaning press wheels. Only the discs are required when converting the flatland planter into the loose ground type, but the entire unit is required when attaching to corn or cotton listers.

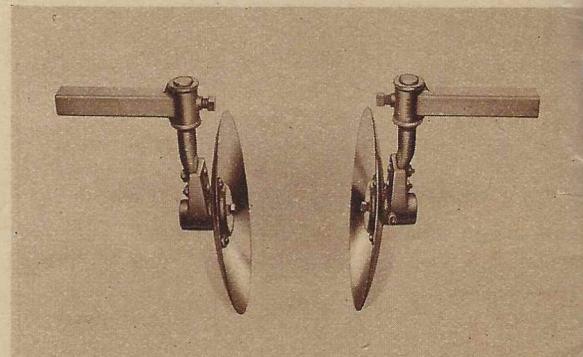
No. 220 Mulching Attachment

This attachment has been designed for use with the rubber-tired “WC” tractor. It can be used independent of the cultivator when pulling grain drills, disc harrows, spike tooth harrows, etc., and in some sections when using a rotary hoe. The spring teeth follow the wheels, entirely eliminating all tracks. They are adjustable, and extra teeth can be added if desired. A spring trip shank with a single sweep can also be added. The entire attachment is power lifted.



Disc Hillers

Disc hillers are used for early cultivation and for barring off listed corn. They are also suitable for hilling up potatoes and other crops which require banking. They are available for both No. 20 and No. 40 series “WC” cultivators. When supplied for the No. 20 series, crossheads are furnished to take the round shanks. The chilled disc bearings are compact and durable. The hillers are simple and trouble-proof, quickly and easily removed or replaced.



A-C Lister Bottoms

Five different styles of lister bottoms, all built of heavy soft-center steel with crucible shares, are available.

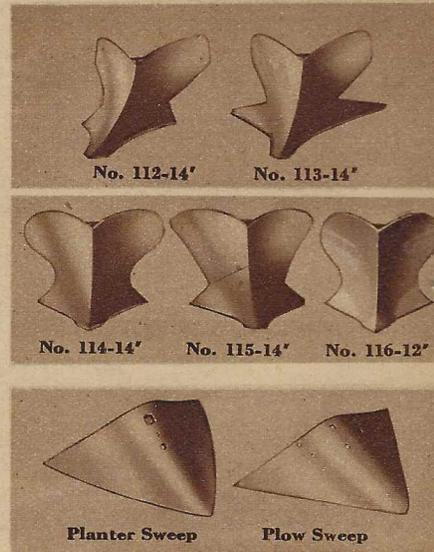
The No. 112—14" blackland bottom is for the heavy tight blackland.

The No. 113—14" blackland bottom has a 22-inch share for sweeping out the middles.

The No. 114—14" bottom is especially designed for mixed land and clay.

The No. 115—14" general purpose bottom for Kansas, Nebraska and Missouri territory is an excellent bottom for all around work.

The No. 116—12" mixed land type bottom, with 14" shares, for higher speeds.



Plow and Planter Sweeps

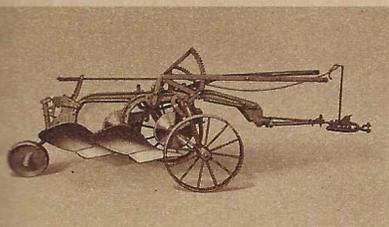
These sweeps are used especially in the southern cotton territories. They come equipped complete with blocks for attach-

ing. The plow sweep is 24-inch, and the planter sweeps are available in two sizes, 20- and 22-inch.

ADDITIONAL EQUIPMENT

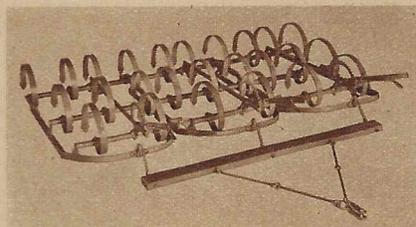
PLOWS

The A-C line of light running, heavy duty tractor plows assures good plowing in any soil. Available in 1-, 2-, 3-, 4-, and 5-bottom sizes, they include heavy, soft center steel bottoms; extra high and level lift; extra clearance below beams and between the share points; convenient control levers; and many other modern features. These plows are simple, clean-cut and strong . . . real championship plows.



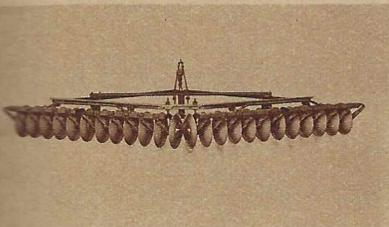
SPRING TOOTH HARROW

This spring tooth harrow is sturdily designed for hard usage in stony, gravelly soils. It is regularly equipped with plain style teeth, a tempered spring tractor hitch and reversible levers. The frame is made of heavy, durable carbon steel, and the renewable runners are steel. Different types of teeth are available for varying conditions.



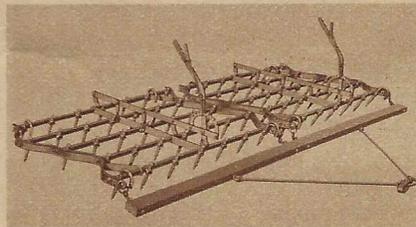
No. 114 "WIDE TYPE" DISC HARROW

An ideal disc where a large amount of ground must be disced quickly. It is a 14-foot single disc with 7-inch spacing between discs. Furnished with 16-, 18-, or 20-inch discs. Each gang section independently attached to main frame, permitting good work over uneven ground. Extra weights available. This disc assures deep penetration of 4 to 5 inches.



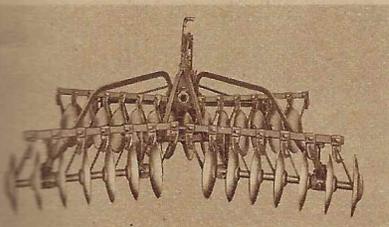
SPIKE TOOTH HARROW

This harrow is furnished in from one to six sections. It is made entirely of steel . . . with no trouble-making castings or malleables. Tooth bars are V-shaped, with closed ends. The teeth, which are rigidly held in place by steel clips, are reversible. The tooth spacing gives ample clearance without tracking.



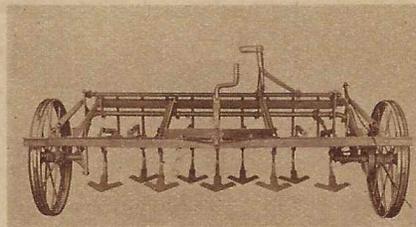
No. 10 SERIES DISC HARROW

A sturdy, heavy duty disc harrow built for stubborn soils in which penetration is difficult. Regular spacing 10-inch; 6 1/2-inch spacing also available. Double contour discs are electrically heat-treated. Weights are specially designed to give greater penetration. Bearing spools have heavy duty thrust rings. The heavy duty No. 10-A disc is furnished only in 8- and 10-foot sizes. Has 1 1/4" gang bolts. Regular spacing is 6-inch; wide spacing 10-inch. Can use combination.



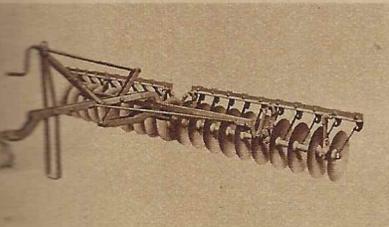
STIFF TOOTH FIELD CULTIVATOR

The cultivator is ideal for summer fallow work. It is built in five sizes—6-, 7 1/2-, 9-, 10 1/2-, and 12-foot widths; the 6- and 7 1/2-foot sizes are recommended for the "WC" tractor. It is regularly equipped with spring trip shanks, which prevent breakage, and screw-crank leveling control. There is ample clearance above the shovels and between front and rear rows of teeth.



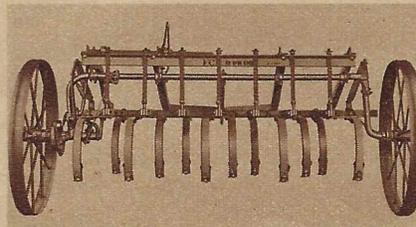
No. 8 SINGLE DISC HARROW

A modern harrow for modern farmers . . . it utilizes the pull of the tractor to do quality work without excess weight. This disc has large, heavy, perfect faced spools; double concavity discs with natural finish; one-inch gang bolts; and great penetration. It will meet your most exacting requirements.



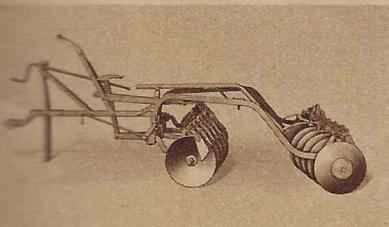
SPRING TOOTH FIELD CULTIVATOR

This unit can be easily and quickly converted into a stiff tooth cultivator. It is unexcelled as a quack grass destroyer. Built in the same sizes as the stiff tooth cultivators, it is of strong, rigid construction. It comes regularly equipped with spring tooth, double-pointed shovels of crucible steel.



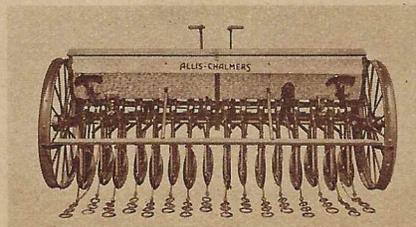
No. 8 TANDEM DISC HARROW

This general purpose tandem disc harrow fits into a variety of uses. It is built in 5-, 6-, and 7-foot sizes; 8- and 10-foot sizes are available for larger tractors. It is regularly equipped with one-inch gang bolts; heavy, perfect faced spools; natural finish, double concavity discs; and many other modern features which assure quality work.



STEEL HOPPER SEED DRILL

This efficient drill is built in all standard sizes and row spacings. It can be furnished with single or double discs, or shoes. Power lifted and power pressure. The drag bars are adjustable for accurate row spacings. Rust-resisting steel hopper is galvanized. Slow speed, fluted, force feed with large openings. No clogging with trash or straw.



IMPLEMENT

Specifications

No. 20 SERIES TWO-ROW POWER LIFTED "WC" TRACTOR CULTIVATOR with PREDETERMINED LIFT

NORTHERN STYLE—With Pipe Beam Gangs and Flat Spring Trip Shanks
For Rows 34 to 44 Inches of Surface Planted Crops

Cat. No.	Description	Weight Lbs.
For "WC" Tractor		
LX-1625	No. 21, 2-Row, Eleven 5-inch Spear Point Shovels.....	792
LX-1626	No. 21, 2-Row, Eleven 8-inch Half and Full Sweeps.....	790
LX-1627	No. 22, 2-Row, Twelve Spring Teeth with 3 1/2"x11" D. P. Shovels.....	834
LX-1628	No. 23, 2-Row, Eight Spring Trips and Eight 7-inch Spear Point Shovels.....	737
LX-1371	Equipment No. 220-8—Rotary Hoe Attachment, per set of two.....	120
LX-1589	Equipment No. 220-9—To change from Shovel to Spring Tooth. Necessary parts including bundles of 11 Spring Teeth with Holders and 3-inch Double Pointed Shovels.....	159

No. 40 SERIES TWO-ROW POWER LIFTED "WC" TRACTOR CULTIVATOR with PREDETERMINED LIFT

SOUTHERN STYLE—With Pipe Beam Gangs and Round Spring Trip Shanks
For Rows 34 to 44 Inches

Cat. No.	Description	Weight Lbs.
For "WC" Tractor		
LX-1629	No. 41, 2-Row, less Sweeps.....	776
LX-1630	No. 43, 2-Row, Seven Spring Trip Shanks, less Sweeps.....	704
LX-1631	No. 45, 2-Row, Disc Cultivator 12-14" Discs..	866
LX-1632	No. 46, 2-Row, Listed Cotton with Knives and Four 8-inch Sweeps.....	794

EXTRA EQUIPMENT

For No. 20 and No. 40 Series "WC" Cultivators

Cat. No.	Description	Weight Lbs.
LX-1389	Equipment No. 220—Power Lifted Mulching Attachment complete with Four Spring Teeth and Clamps.....	103
LX-1390	Set (11) No. 301694 5-inch Spear Point Shovels with Bolts.....	25
LX-1391	Set (7) No. 300564 8-inch Blackland Full Sweeps with Bolts.....	20
LX-1392	Set (11) No. 300564 8-inch Blackland Full Sweeps with Bolts.....	29
LX-1576	Set (11) consisting of 2 No. 300201 R.H., 2 No. 300202 L.H., and 7 No. 300203 8-inch Full Mixedland Sweeps.....	26
LX-1577	Set of (11) No. 300203 8-inch Full Mixedland Sweeps.....	28
LX-1393	2 Spring Teeth and Clamps for Equipment No. 220, as an extra.....	10

No. 200 SERIES TRACTOR LISTED CROP CULTIVATORS (Pull Type)

With Master Lever Control, Tractor Hitch—Each gang is equipped with two discs, two spring trip round shanks with soft center shovels, adjustable hooded shields, pressure gun lubrication. Will cultivate rows 36 to 48 inches apart.

Cat. No.	Description and Size Tractor Required	Weight Lbs.
LX-1605	2-Row for Model "WC" tractors.....	715
LX-1606	3-Row for Model "U" tractors.....	1050

No. 400 SERIES TRACTOR CORN PLANTER (Pull Type)

With Runner Openers, Open Tire Wheels, and Automatic Marker. Adjustable to planting widths 34 to 42 inches, complete with Tractor Hitch.

Cat. No.	Description	Weight Lbs.
LX-1607	2-Row Drill Planter.....	400
LX-1661	2-Row Check Row Planter.....	520

No. 450 SERIES "WC" TWO-ROW CORN LISTER POWER LIFTED

With Open Foot Beams, LX-128 Convex Steel Gage Wheels, No. 20 Wing Subsoilers, No. 17 Root Cutters, Bottoms and Cast Press Wheels.

Cat. No.	Description	Weight Lbs.
LX-1261	No. 450 2-Row Listing Plow only with No. 115 Bottoms and No. 17 Root Cutters. No Planting Parts.....	663
LX-1262	No. 451 Corn Lister with No. 115 14-inch Bottoms and No. 31 Planting Attachment with Friction Break Shovel Coverers, and Cast Press Wheels.....	959
LX-1263	No. 452 Corn Lister with No. 115 14-inch Bottoms and No. 32 Planting Attachment with Disc Coverers, and Cast Press Wheels.....	961
LX-1597	No. 453 Loose Ground Corn Lister, without Bottoms, but with No. 36 Disc Planting Attachment with Corn Cans, 16-inch Disc Openers, Knife Coverers, and Press Wheels.....	927

Planting Attachments for LX-1261 No. 450 Listing Plow

LX-1264	No. 31 Corn Planting Attachment with No. 20 Subsoilers, Friction Break Shovel Coverers, and Press Wheels.....	296
LX-1265	No. 32 Corn Planting Attachment with No. 20 Subsoilers, Disc Coverers, and Press Wheels...	298
LX-1594	No. 36 Corn Disc Planting Attachment with Corn Cans with 16-inch Disc Openers, Knife Coverers, and Press Wheels.....	387

OPTIONAL EQUIPMENT

LX-1266	No. 114 14-inch Mixedland Bottom in lieu of No. 115 14-inch General Purpose Bottom, deduct per bottom.....	1
LX-1587	No. 112 14-inch Blackland Bottom in lieu of No. 115 14-inch General Purpose Bottom, deduct per bottom.....	2
LX-1598	For 18-inch Disc Openers in place of Regular 16-inch on No. 36 Planting Attachment, add per set of four.....	7

EXTRAS (For all Territories)

Cat. No.	Description	Weight Lbs.
LX-1271	LX-128 Convex Tire Steel Gage Wheels—per set (2).....	26
LX-1272	LX-506 V-type Cast Gage Wheels—per set (2)	56
LX-1273	LX-506 V-type Cast Gage Wheels in place of LX-128 Steel, add per set (2).....	30
LX-1574	Air-Tired Gage Wheels, per set (2) as an extra.	38
LX-1575	Air-Tired Gage Wheels in place of LX-128 Convex Steel, add per set (2).....	12
LX-1274	No. 12 Shovel Coverer—Spring Trip, each.....	6 $\frac{1}{4}$
LX-1275	No. 13 Shovel Coverer—Friction Break, each..	5 $\frac{1}{2}$
LX-1276	No. 14 Disc Coverer—10-inch Dia., each.....	7 $\frac{1}{2}$
LX-1277	No. 16 Knife Coverer, each.....	3 $\frac{1}{2}$
LX-1278	No. 17 Root Cutter, each.....	1
LX-1279	No. 18 Subsoiler, each.....	5 $\frac{1}{2}$
LX-1280	No. 19 Runner Opener, each.....	6
300358	No. 20 Wing Subsoiler, each.....	5
301727	No. 21 Double Pointed Shovel Opener.....	5 $\frac{1}{2}$
LX-1564	15-inch Caster Rolling Coulter with Clamp, add per bottom.....	32
LX-1602	15-inch Rigid Rolling Coulters with Clamps, extra per pair.....	60
LX-1595	16-inch Disc Openers, per set of four, as an extra for No. 28 Planting Attachment.....	58
LX-1596	18-inch Disc Openers, per set of four, as an extra for No. 28 Planting Attachment.....	65
LX-1588	24-inch Plow Sweep $\frac{3}{16}$ " w/block, Beam Washer and Bolts.....	22
LX-1604	No. 33-A Pea Attachment for Straight Corn Cans.....	28

No. 250 SERIES "WC" TWO-ROW COTTON BEDDER AND MIDDLE BUSTER—POWER LIFTED

With Open Foot Beams, V-Type Cast Gage Wheels, and No. 17 Root Cutters, No Bottoms Adjustable for 30, 34, 36, 38, 40 and 42-inch Rows

Cat. No.	Description	Weight Lbs.
LX-1236	No. 250 2-Row Bedder only without bottoms..	618
LX-1585	LX-128 Convex Tire Steel Wheels in place of LX-506 V-Type Cast Wheels, per pair, deduct.....	31
LX-1586	Air-Tired Gage Wheels in place of LX-506 V-Type Cast Wheels, per pair, deduct.....	17

Lister Bottoms, When Taken With Bedder, or Sold as Extras, Per Bottom

LX-1267	No. 112 14-inch (Blackland), each.....	35
LX-1268	No. 113 14-inch (Blackland), with 22-inch Share, each.....	37
LX-1269	No. 114 14-inch (Mixedland), each.....	36
LX-1270	No. 115 14-inch (Northern General Purpose), each.....	38
LX-1591	No. 116 12-inch (Mixedland) with 14-inch Share.	35

Planting Attachments

LX-1245	No. 25 Cotton and Corn Planting Attachment with Balloon Cans, No. 18 Subsoiler, Spring Trip Shovel Coverers, less Press Wheels.....	246
LX-1246	No. 26 Cotton and Corn Planting Attachment with Balloon Cans, No. 18 Subsoiler, Disc Coverers, less Press Wheels.....	253
LX-1247	No. 27 Cotton and Corn Planting Attachment with Balloon Cans, Runner Openers, Disc Coverers, less Press Wheels.....	252
LX-1248	No. 28 Cotton and Corn Planting Attachment with Balloon Cans, Flatland Planting Attachment complete with Skids, Knife Coverers and Press Wheels.....	326
LX-1255	No. 29 Cotton and Corn Planting Attachment with Tall Straight Cans, Double Pointed Shovel Openers, Friction Break Shovel Coverers, less Press Wheels.....	239
LX-1256	No. 30 Cotton and Corn Planting Attachment with Tall Straight Cans, Double Pointed Shovel Openers, Disc Coverers, less Press Wheels.....	241
LX-1592	No. 34 Cotton and Corn Planting Attachment with Balloon Cans, with 16-inch Disc Openers, Knife Coverers, and Press Wheels.....	414
LX-1593	No. 35 Cotton and Corn Planting Attachment with Tall Straight Cans, with 16-inch Disc Openers, Knife Coverers, and Press Wheels.....	400

Special Equipment When Substituted on "WC"

Planting Attachments

LX-1251	No. 11 Press Wheels, 2 complete wheels, when sold as an extra.....	74
LX-1598	18-inch Disc Openers in place of Regular 16-inch on No. 34 or 35 Attachments. Per set of 4.....	7

Special Equipment

Cat. No.	Description	Weight Lbs.
LX-1244	No. 15 Offset Beam and Center Attachment...	108
LX-1588	24-inch Plow Sweep $\frac{3}{16}$ -inch with Block, Beam Washer and Bolts.....	22
LX-1590	Cotton Hill Drop Attachment.....	40
LX-1603	No. 33 Pea Attachment for Balloon and Tall Cotton and Corn Cans.....	28

No. 50 SERIES TWO-ROW POWER LIFTED "WC"

TRACTOR CULTIVATOR WITH PREDETERMINED LIFT

Pipe Beam Gangs and Round Spring Trip Shanks

LX-1612	No. 51, 2-Row, 8 Spring Trip Shanks in Front, No Furrowing Bar or Sweeps.....	731
LX-1635	For 8 LX-571, 8-inch Blackland Full Sweeps with Bolts add.....	21
LX-1613	No. 52, 2-Row, 8 Spring Trip Shanks in Front, 3 in Rear, No Sweeps.....	989
LX-1392	Set of 11 No. 300564, 8-inch Blackland Full Sweeps with Bolts, per set add.....	29

Furrowing Bars for No. 50 Series "WC" Cultivators

LX-1614	Furrowing Bar with 3 Spring Trip Shanks, No Sweeps.....	229
LX-1615	Furrowing Bar, No Spring Trip Shanks, No Sweeps.....	191
LX-1618	No. 55 Delta Cultivator, less Sweeps.....	1100
LX-1392	Set 300203 8-inch Full Blackland Sweeps.....	29

No. 50 SERIES FOUR AND SIX-ROW BEET AND

BEAN CULTIVATOR WITH

PREDETERMINED LIFT—POWER LIFTED

For "WC" Tractor

Cat. No.	Description	Weight Lbs.
LX-1617	No. 54, 4-Row with Double Tool Bar, less Shanks but with Clamps and without Cultivating Steels.....	1021

No. 1 SERIES LIGHT WEIGHT POWER

LIFT TRACTOR PLOWS

With No. 9 15-inch Rolling Coulter and Spring Release Hitch

Cat. No.	Description	Weight Lbs.
LX-1000	No. 1-116, 1-Bottom, 16-inch.....	559
LX-1001	No. 1-118, 1-Bottom, 18-inch with 18-inch Jointer Coulter.....	567
LX-1002	No. 1-214, 2-Bottom, 14-inch.....	759
LX-1003	No. 1-214-A, 2-Bottom, 14-inch with Rolling Landside.....	726

Specify Style of Bottoms Wanted

Principal Bottoms

LX-1004	24-14-inch (Sod and Stubble).....	
LX-1005	24-14-inch (Sod and Stubble) Eastern Type with Narrow Cut Share.....	
LX-1006	25-14-inch (General Purpose).....	
LX-1007	26-14-inch (Stubble).....	
LX-1008	54-14-inch (General Purpose) Pacific Northwest.	
LX-1010	25-16-inch (General Purpose).....	
LX-1011	25-18-inch (General Purpose).....	
LX-1015	W-775 14-inch Chilled (General Purpose) Eastern type with Chilled Moldboard and Share...	

No. 2 SERIES HEAVY DUTY POWER LIFT

TRACTOR PLOW

With No. 9 15-inch Rolling Coulter and Spring Release Hitch.

Cat. No.	Description	Weight Lbs.
LX-1027	No. 2-214, 2-Bottom 14-inch	919
LX-1749	Air-Tired Wheel Equipment for Above, deduct..	23

Specify Style of Bottoms Wanted

Principal Bottoms

LX-1004	24-14-inch (Sod and Stubble)	
LX-1005	24-14-inch (Sod and Stubble) Eastern Type with Narrow Cut Share	
LX-1006	25-14-inch (General Purpose)	
LX-1007	26-14-inch (Stubble)	
LX-1008	54-14-inch (General Purpose) Pacific Northwest.	
LX-1015	W-775 14-inch Chilled (General Purpose) Eastern Type with Chilled Moldboard and Share.	

No. 8 SERIES SINGLE ACTION TRACTOR

DISC HARROW

With Screw Crank Control—Special Penetrating, Double Contour, Electrically Heat-Treated Discs—1-inch Gang Bolts—6½-inch Spacing—Adjustable, Self-Aligning, Broad Blade Scrapers with Spring Tension—Grease Gun Fittings without Grease Gun—Weight Boxes, extra.

Cat. No.	Description	Weight Lbs.
LX-1580	10-foot cut, 20—16-inch Discs	652
LX-1677	10-foot cut, 20—18-inch Discs	717
LX-1678	10-foot cut, 20—20-inch Discs	775

Special Equipment

LX-1113	Weight Boxes, per pair for 10-foot Single Action Disc Harrow	17
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No. 8 SERIES TANDEM TRACTOR DISC HARROWS

With Screw Crank Control—Adjusting Lever for Rear Gangs—Special Penetrating, Double Contour, Electrically Heat-Treated Discs—1-inch Gang Bolts—6½-inch Spacing; Adjustable, Self-Aligning, Broad Blade Scrapers with Spring Tension—Grease Gun Fittings without Grease Gun—Weight Boxes, extra.

No. 8 Series Tandem Tractor Disc Harrow — Continued

Cat. No.	Description	Weight Lbs.
LX-1609	20-16, 5-foot, 16-inch Discs	910
LX-1099	24-16, 6-foot, 16-inch Discs	940
LX-1100	28-16, 7-foot, 16-inch Discs	1002
LX-1610	20-18, 5-foot, 18-inch Discs	958
LX-1103	24-18, 6-foot, 18-inch Discs	991
LX-1104	28-18, 7-foot, 18-inch Discs	1066

Special Equipment

LX-1111	Weight Boxes for 5, 6, and 7-foot, per pair	12
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No. 10 SERIES HEAVY DUTY DOUBLE ACTION

TRACTOR DISC HARROWS

Wide Spaced with Screw Control, Heat Treated Discs, 10-inch Spacing, Scrapers, Grease Fittings without Grease Gun.

Cat. No.	Description	Weight Lbs.
LX-1645	16—16-inch Discs, 5½-foot cut	850
LX-1646	16—18-inch Discs, 5½-foot cut	907
LX-1647	16—20-inch Discs, 5½-foot cut	964

Equipment When Sold As An Extra

LX-1654	Weight with Bolts, each	31
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NOTE: Maximum Number of Weights are: 8 for 5½ ft.

ALLIS-CHALMERS

“WC” MOWING ATTACHMENT

Power-Driven by the “WC” Engine through the transmission by means of the power take-off furnished complete with mowing attachment.

Cat. No.	Description	Weight Lbs.
LX-1611	7-ft. Mower for “WC” Tractor, complete with one extra knife	534
LX-1660	For Underserrated Sections, add.	3

General Information

ALLIS-CHALMERS SPRING TOOTH HARROWS

With Float Frame, Runner Type, and Eveners suitable for tractor use

Cat. No.	Description	Weight Lbs.
LX-1169	25-Tooth, 3-Sec., w/Regular Teeth, cut 8-ft.	359
LX-1179	25-Tooth, 3-Sec., w/Quack Grass Teeth, cut 8-ft.	359
LX-1189	25-Tooth, 3-Sec., w/Alfalfa Teeth, cut 8-ft.	359
LX-1199	25-Tooth, 3-Sec., w/Reversible Teeth, cut 8-ft.	386

No. 100 SERIES U-BAR STEEL LEVER HARROW

With 5 Bars, Closed End, 5/8"x7/8" Dagger Teeth

Cat. No.	Description	Weight Lbs.
LX-1133	3-Section, 105 Teeth, w/evener	400

ALLIS-CHALMERS TRACTOR GRAIN DRILLS—

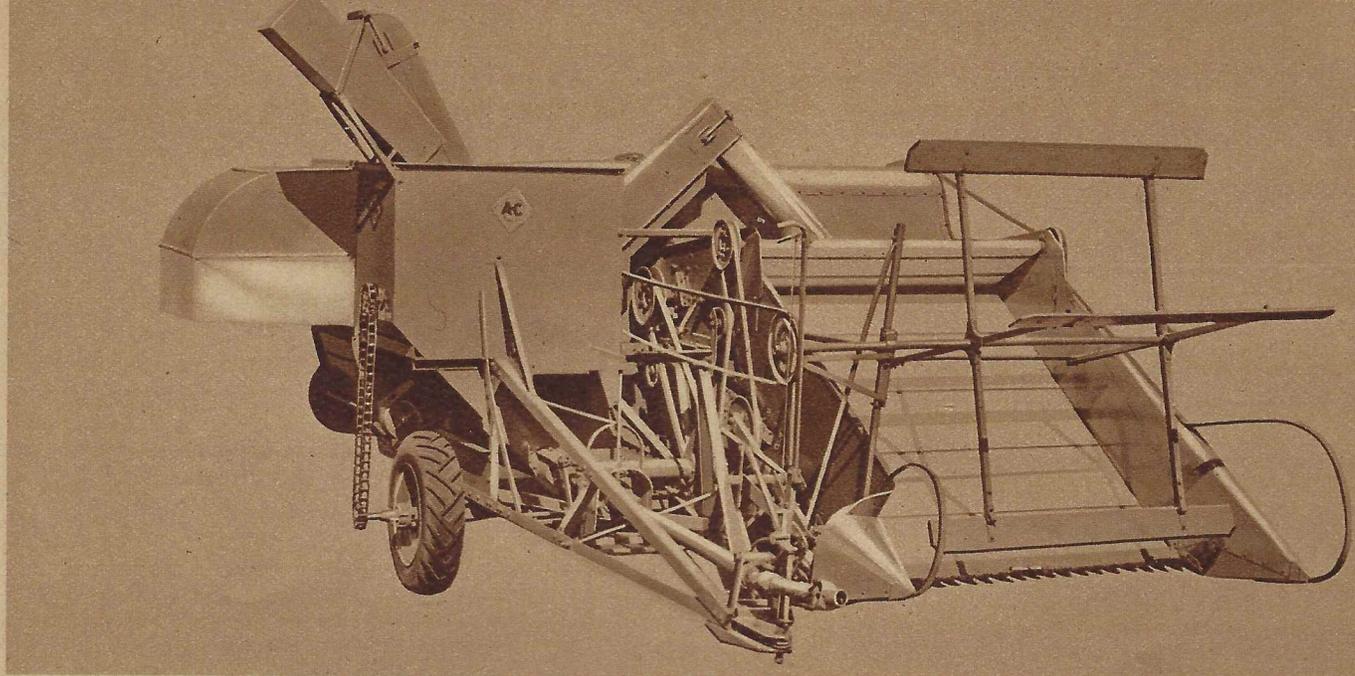
STEEL HOPPER

With Power Lift and Power Pressure, Fluted Feed, Footboard, Tractor Hitch and Chain Coverers

Cat. No.	Description	Weight Lbs.
LX-1695	16-Disc, 6-inch Spacing, Single Disc	1307
LX-1696	20-Disc, 6-inch Spacing, Single Disc	1580
LX-1699	16-Disc, 7-inch Spacing, Single Disc	1307
LX-1702	16-Disc, 8-inch Spacing, Single Disc	1407
LX-1711	20-Disc, 6-inch Spacing, Double Disc	1640

ALLIS-CHALMERS FIELD CULTIVATORS

Cat. No.	No.	Size	Description	Number of Teeth		Wheels		Style Hitch	Weight Lbs.
				Spring Tooth with 2-in. D.P. Shovels	Stiff Tooth with 12-in. Sweeps	Dia.	Tire		
LX-1215	FC-0	6-ft.	Spring Tooth, 7-Bar	12		40	3½	Tractor	748
LX-1216	FC-1	7½-ft.	Spring Tooth, 9-Bar	15		40	4	Tractor	1060
LX-1220	FC-00	6-ft.	Stiff Tooth, 7-Bar		7	40	3½	Tractor	735
LX-1221	FC-5	7½-ft.	Stiff Tooth, 9-Bar		9	40	4	Tractor	1045



ALL-CROP HARVESTER

Successor to the Binder

"We'll never go back to the old ways of harvesting!" Thus have many All-Crop Harvester owners expressed their approval of the "Successor to the Binder."

This machine has successfully harvested more than 70 different small grain, seed and bean crops including wheat, oats, barley, rye, flax, soybeans, lima beans, peas, the clovers, blue grass, lespedeza, alfalfa and many others. In many crops it has proved to be the first satisfactory method of harvesting . . . in all crops it has proved to be the lowest cost method.

The All-Crop is a money-maker for every farmer. It brings extra profits to you because it enables you to raise the most profitable crops for your land; it saves crops, beaten down by storms or infested with weeds, which might be a total loss without the All-Crop; and it increases your yields because it reduces handling wastes. It slashes harvesting expenses, too . . . its purchase price is so low that it costs little more than a power binder to own. It is power take-off operated—no extra engine to multiply expenses—your "WC" tractor does your entire harvesting job. And you need no extra help—the All-Crop is a one-man outfit. In any field conditions, the All-Crop on its air tires requires less power. No binder twine to buy . . . no threshing bills to pay . . . once over the field with the All-Crop, and your crop is ready for market.

Four new and revolutionary features in the All-Crop's design are largely responsible for its unprecedented success in all crops, all farms and all territories. Its full-width, 60-inch bar-type cylinder extends across the full width of cut, taking the grain in a thin, even stream. Cylinder bars are rubber-faced . . . they actually rub the grain out of the heads . . . no cracking. The oversize threshing rear has 26 square feet of separating area—as large as that found in conventional 10-foot combines. This enables the All-Crop to separate efficiently when traveling faster, even in heavy straw. Variable speed V-belt drives make possible a wide range of threshing speeds. Cylinder and rack can be adjusted to the correct speed for the best work in each crop.

The simplicity and compactness of the All-Crop make it easy to run. No complicated adjustments, no flat belts, pulleys or sprockets to give trouble and waste power. Passes through 12-foot farm gates and narrow lanes without dismantling. Anyone who can operate a binder and understands simple threshing principles can run it.

To your wife, an All-Crop on the farm means the end of threshing gang dinners and the drudgery of cooking for extra men in hot weather. To her, as to you, it is a money-making, labor-saving machine. If you raise any of the commercially grown small grains, seeds, or beans on your farm, you will find the All-Crop a most profitable investment. Send for a complete catalog.



HYDROMATIC TIRE



PNEUMATIC TIRE

A NEW DEVELOPMENT

... Hydromatic Tractor Tires

Allis-Chalmers put the farm tractor on rubber tires, and this history-making development has changed the entire course of tractor design. Better, more useful tractors have resulted, and foremost among these is the Model "WC," which has led the way to a new conception of tractor farming.

An important new development which further increases the efficiency of the tractor tires has now been completed, and . . . with characteristic initiative . . . Allis-Chalmers is the first to recognize its possibilities, and first to make it available as standard equipment on its tractors. *This new development is the use of liquid tire ballast in place of wheel weights.*

All rubber-tired "WC" tractors now come equipped with hydromatic tires on the drive wheels. Instead of being filled entirely with air, as in the past, these tires are three-fourths filled with a special freeze-resistant liquid ballast, that has a preserving effect upon the inner tube rubber. The remaining area is filled with air which enables the operator to maintain the desired pressure in the tire. This liquid is heavier than water, and supplies the weight formerly provided by means of wheel weights. Should additional weight be desired, it may be obtained by the use of wheel weights, which can be purchased as extras at nominal cost.

The advantages of this new method of tire inflation are numerous and important. The liquid ballast gives to the drive wheels a low center of gravity. The weight

necessary for the most efficient traction is placed down low—right over the tread next to the ground—where it will do the most good. Unlike wheel weights, which frequently get loose, throwing the wheels out of balance and creating destructive vibration, liquid tire ballast results in smoother wheel rotation, better traction and a steadier action in the entire tractor. Starting and acceleration are quicker and easier.

The weight inside the tire offers no unsightly or inconvenient projections on the wheels, and is much more convenient to add or remove than is the case with heavy, awkward wheel weights. The riding and steering qualities of the tractor are vastly improved.

The ballast liquid is inexpensive, and may be obtained from authorized tractor tire dealers. It is easily pumped into the tire through the regular tire valve, and removed through the same avenue. Owners can keep a supply of the fluid on hand and do their own refilling, or they can take the wheels to the nearest tire dealer.

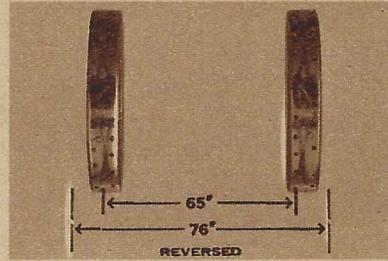
The introduction of hydromatic tires is further evidence of the fact that "Allis-Chalmers is always *first* to make available to farmers the benefits of advanced tractor engineering developments."

NOTE: Front wheel tires on the Model "WC" are air-inflated. Added weight is not often needed on front wheels, but there are times when it is an advantage. When such occasions arise, liquid ballast may be used in the front tires as it is employed in rear wheels.

"WC" Wheel Spacings

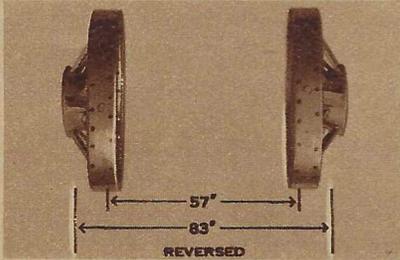
Standard 40"x6" Reversible Steel Drive Wheels

Standard steel wheel equipment includes two 40" x 6" flat spoke, crimped rim drive wheels, with twenty 5-inch steel spade lugs on each wheel. Extension rims 5 inches wide, each equipped with ten 5-inch spade lugs, are available as extras, for these wheels. The hubs are offset so that when turned in the narrow position, they allow a tread of 65 inches; and when reversed as shown at the right, a tread of 76 inches. Double steel front wheels, 24"x4"; or wide front axle with 28"x6" steel wheels; or 9.00—10 rubber-tired single front wheel.



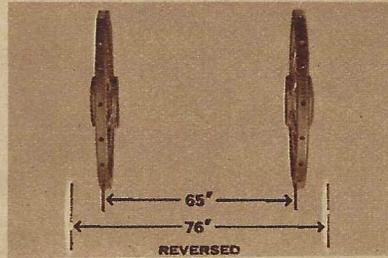
Dished Steel 40"x6" Reversible Drive Wheels

Same rim and lug equipment as the standard 40"x6" wheel, but dished to give a greater offset when reversed. This wheel fits into row crops that require wider or narrower spacing than those offered by the standard wheel. When placed with hub in out position, the tread will be 83 inches; when reversed, 57 inches. Same front wheel equipment as with standard steel drive wheels.



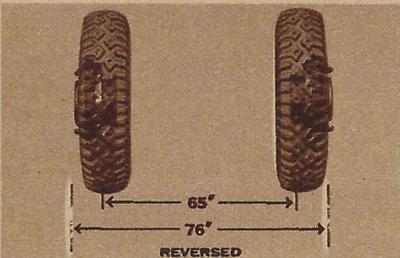
Skeleton Type 40"x2" Reversible Channel Drive Wheels

A reversible, steel skeleton wheel equipped with eighteen 4 3/8" spade lugs. These lugs are staggered right and left so that they cover considerable ground. In the narrow position, these wheels provide a tread of 65 inches; and when reversed to wide spacing, a tread of 76 inches. Double steel front wheels, 24"x4"; or wide front axle with 28"x6" steel wheels; or 9.00—10 rubber-tired single front wheel.



Standard Reversible 11.25-24 Rubber-Tired Drive Wheels

This wheel and tire equipment fits by far the greater percentage of all field and row-crop operations. Reversible wheels give a tread of 65 inches in narrow position, and of 76 inches in wide setting. This takes care of most standard row crops, and also allows a 65-inch tread for plowing and other field work. Double, 5.50—16 rubber-tired front wheels; or wide front axle with 6.00—16 rubber-tired wheels; or 9.00—10 rubber-tired single front wheel.



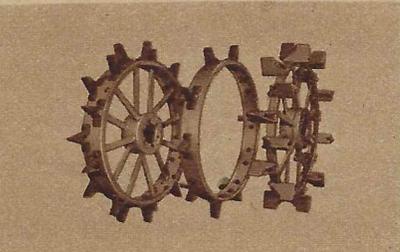
Reversible 7.50-36, 9.00-28 or 9.00-36 Rubber-Tired Drive Wheels

For special row widths in such crops as beets, beans, onions and extremely narrow row crops. A single, 9.00—10 rubber tired front wheel, and narrow 7.50—36, 9.00—28 or 9.00—36 rear tires, with reversible and adjustable rear wheels are available. This equipment can be arranged to furnish treads of 54, 57, 60, 77, 80, 83 and 86 inches, thus covering a wide variety of row widths.



STEEL WHEELS

The Model "WC" is available with two types of steel drive wheels—40"x6" with crimped rims and twenty 5-inch spade lugs per wheel, and 40"x2" skeleton type channel wheels with eighteen 4 3/8-inch staggered spade lugs per wheel. Both wheels are of sturdy, flat-spoke construction. For the 40"x6" wheels, extension rims are available. Each rim comes equipped with attaching irons and ten 5-inch spade lugs.



"W C" Specifications

ENGINE—4-cylinder; vertical; valve in head; 4" bore, 4" stroke; 1,300 r.p.m. Diameter of crankshaft, $2\frac{3}{8}$ "; number of main bearings, 3; rings per piston, 4. Removable cylinder sleeves; inserted valve seats; fuel, air and oil filters; fuel used, gasoline, kerosene, distillate. Also available in high compression type for use with 70 octane gasolines.

LUBRICATION—Engine lubrication is by pressure to crankshaft and connecting rod bearings, camshaft, and rocker arms. The Alemite-Hydraulic pressure system is used to lubricate transmission and chassis bearings. Steering, transmission, differential and belt pulley gears run in oil.

COOLING—Tubular type radiator; water circulated by pump; air circulated by 17-inch cooling fan; capacity of cooling system, 4 gallons.

GOVERNOR—Centrifugal type; variable speed with hand control; quick, sensitive action gives close regulation of speed and power; fully enclosed.

IGNITION—Waterproof magneto with impulse coupling to assure easy starting; latest design; durable and dependable.

CARBURETOR—Specially designed for fuel economy; operates efficiently at all angles; adapted for either gasoline, kerosene or distillate.

POWER—Will pull two 14-inch plows in average plowing conditions and other implements in proportion. 23 belt H.P.

TRACTOR SPEEDS—Four speeds forward—low, $2\frac{1}{2}$; second, $3\frac{1}{2}$; third, $4\frac{3}{4}$; high, 9 or more miles per hour. Reverse, 2.

CLUTCH—Improved dry plate disc type, 10-inch diameter; positive engagement; easy control.

GEARS—All gears are of high carbon alloy steel, machine cut, and hardened. Strong and durable.

ANTI-FRICTION BEARINGS—High grade anti-friction bearings are used on all important drives.

STEERING—18" diameter steering wheel; worm and gear type steering gears operating in oil in sealed compartment; semi-reversible, eliminating shocks at wheel; differential hand brakes at each rear wheel for pivot turning.

FINAL DRIVE—High Traction 4-pinion differential operating in oil bath.

BELT PULLEY—9" diameter, $6\frac{1}{2}$ " face; 1,170 r.p.m.; belt speed, 2,760 feet per minute; quickly and easily disengaged when not needed.

DRAWBAR—Swinging type, adjustable vertically and horizontally to desired position.

FRONT WHEELS—Standard steel: 24" diameter, 4" face, with skid bands. Wide front axle, steel: 28" diameter, 6" face, with skid bands. Rubber tires: special drop-center rim wheels; standard, 5.50—16 casings and inner tubes; wide front axle, 6.00—16 casings and inner tubes; single front wheel, 9.00—10 casings and inner tube; air pressure.

REAR WHEELS—Standard steel: 40" diameter, 6" face, with twenty 5" steel spade lugs per wheel. Rubber tires: special drop-center rim wheels; for standard and wide front axle tractors, 11.25—24 casings and inner tubes; for single front wheel tractor, 7.50—36, 9.00—28 or 9.00—36 casings and inner tubes, as ordered; liquid ballast.

REAR WHEEL TREADS—54", 57", 60", 65", 76", 77", 80", 83" and 86", center to center of wheels, available with standard or special wheel equipment.

OVERALL DIMENSIONS—Standard: wheelbase, 87"; length, 136"; height, 66"; turning radius, 8 feet at outside wheel; ground clearance, 26 inches under rear axle at crop rows. Wide front axle: wheelbase, 89"; length, 132"; height, 66"; ground clearance, 12"; turning radius, 15'. Single front wheel: wheelbase, 87"; length, 132"; height, $70\frac{5}{8}$ "; ground clearance, $30\frac{5}{8}$ "; turning radius, 8'.

FUEL SUPPLY—Tank capacity 15 gallons; gravity feed; fuel filter. One-gallon tank for starting.

SHIPPING WEIGHT—Standard: steel wheels, 2,750 pounds; rubber tires (with liquid ballast in rear tires), 3,480 pounds. Wide front axle: steel wheels, 2,840 pounds; rubber tires (with liquid ballast in rear tires), 3,570 pounds. Single front wheel: steel drive wheels and rubber-tired front wheel, 2,720 pounds; rubber tires (with liquid ballast in rear tires), 3,450 pounds.

STANDARD EQUIPMENT—Steel wheels or rubber tires in various types and combinations, as ordered; belt pulley; rear wheel fenders; platform.

EXTRAS—Power lift; power take-off; upholstered seat and canopy top assembly. Wheel equipment: skeleton type, 40"x2" steel channel wheels and lugs; reversible, dished, 40"x6" steel wheels and lugs; 7.50—36, 9.00—28, or 9.00—36 rubber-tired drive wheels; single, 9.00—10 rubber-tired front wheel equipment; wide front axle with 28"x6" steel wheels, lugs, skid bands, and attaching parts; wide front axle with 6.00—16 rubber-tired wheels and attaching parts; extension rims for steel wheels, with ten 5" spade lugs per rim; 150-pound drive wheel weights (for rubber-tired tractors only); special sizes of front wheel skid bands.

ATTACHMENTS—A variety of 2-row listing, bedding, planting and cultivating equipment for various row crops; rotary hoe attachment; mulching attachment; mower attachment; farm trailer.

FACTORY BRANCHES IN ALL AGRICULTURAL CENTERS

Aberdeen, S. D.
Amarillo, Texas
Atlanta, Ga.
Billings, Mont.
Calgary, Alta.
Columbus, Ohio
Dallas, Texas

Des Moines, Iowa
Dodge City, Kans.
Edmonton, Alta.
 Fargo, N. D.
Great Falls, Mont.
Harrisburg, Pa.
Indianapolis, Ind.

Kansas City, Mo.
La Crosse, Wis.
La Porte, Indiana
Los Angeles, Calif.
Madison, Wis.
Memphis, Tenn.
Minneapolis, Minn.

Minot, N. D.
Oakland, Calif.
Omaha, Nebr.
Peoria, Illinois
Pocatello, Idaho
Portland, Oregon
Regina, Sask.

Saskatoon, Sask.
Sidney, Nebr.
Sioux City, Iowa
Spokane, Wash.
Springfield, Ill.
St. Louis, Mo.
Syracuse, N. Y.

Toronto, Ont.
Wichita, Kans.
Winnipeg, Man.

ALLIS-CHALMERS

TRACTOR DIVISION—MILWAUKEE, U. S. A.

What Users SAY



WISCONSIN—"I find your 'WC' tractor much cheaper to operate than a team of horses."

KANSAS—"I do not have a team of horses, and I use the tractor almost daily. I can do 50% more work with the 'WC' than I could with my old steel wheel tractor. After 12 to 14 hours of field work, I am not a bit tired, because the 'WC' handles so easy."

IOWA—"I have already found out one thing . . . that my 'WC' will start easier than any make I've ever owned. In the coldest weather, two or three turns and it starts."

NORTH CAROLINA—"When I bought my 'WC' tractor this spring, I recognized the biggest value for my money. I use about 15 gallons of gasoline for about 8 hours of good tough plowing jobs. My 'WC' is now being used for a power motor in my light plant; it is 100%."

OKLAHOMA—"I farm river bottom land which is very heavy gumbo and I find the 'WC' tractor equal to the task. It does the work fast, which is very necessary as the ground is only in shape to work a few days at a time. I have always been a horse farmer, but I wish I had changed before. We find the 'WC' always ready for plowing, harrowing, drilling, mowing, sawing wood, grinding feed and many other jobs."

TEXAS—"I started plowing a 20-acre field which had been chain measured, filling my tanks at home and pulling the plow ½ mile to the field. The tractor was run continuously without stop, plowing with a 5' one-way, 5' deep. I drove back to the house and measured the fuel. I used 12 gallons of fuel."

MINNESOTA—"It takes the place of six horses on our farm, and in dry years when feeds are scarce we never have to worry about feed for our horsepower."

SOUTH DAKOTA—"My rubber-tired 'WC' will go anywhere that a steel wheel tractor will go, with much less slippage. For riding and operating comfort, it can't be beat. I pulled two 16' plows 6' deep in hilly and rocky ground, 44 acres on 52 gallons of gas. Pulled two 8' discs on hilly ground at 1½ gallons per hour, doing 3 acres per hour."

IOWA—"I believed farm work could be done cheaper with horses, but since I bought my 'WC' on steel I have learned different. Now I can do more work in less time, do it cheaper and when it should be done. There never is a day too hot for the 'WC.'"

MISSOURI—"I can drill 20 acres in a half day with a 7-foot drill, harrow 20 acres in 1½ hours, and I have plowed 17 acres in one day with a 14-inch high speed breaking plow. I have plenty of power to pull a 7-foot tandem disc and 10-foot harrow on behind at 5 miles per hour."

NEW JERSEY—"The real pleasure I have had during the past several years farming with Allis-Chalmers equipment prompts me to write you regarding my experiences. After putting my 'WC' into operation, I got the surprise of my life upon learning that farming can be made to be more profitable and a pleasure as well as economical. On air tires, it handles my plowing in third gear, going about 5 miles an hour at a fuel cost of 15 cents an hour for gasoline."

MICHIGAN—"My Allis-Chalmers 'WC' gives me excellent satisfaction. It has plenty of power and is economical to operate. I have owned three other tractors and cannot say too much for the 'WC.'"

KANSAS—"The 'WC' tractor is, in my way of thinking, the only tractor for a man of moderate means to buy. It operates on so little fuel, and handles loads that are almost within the three-plow tractor field."

ILLINOIS—"I have an abundance of power under all conditions using my Allis-Chalmers 'WC' tractor."

MINNESOTA—"My 'WC' tractor has plenty of power."

OHIO—"We plowed 356 acres and disced 689 acres, besides other jobs we've done with our 'WC', and I will say that it certainly has been a pleasure to operate it; always ready to go and always doing what you want it to do. It has done everything that we expected, and more, too, and with so little expense; we consider it the most economical tractor on the market today, as our fuel and oil costs have been nothing compared with the tractor we were using before we purchased the 'WC.'"

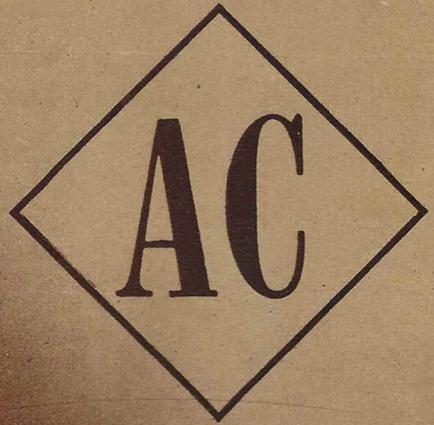
MICHIGAN—"The 'WC' tractor on rubber has no equal."

PENNSYLVANIA—"I own a 'WC' tractor. From now on every piece of machinery on my farm will be Allis-Chalmers."

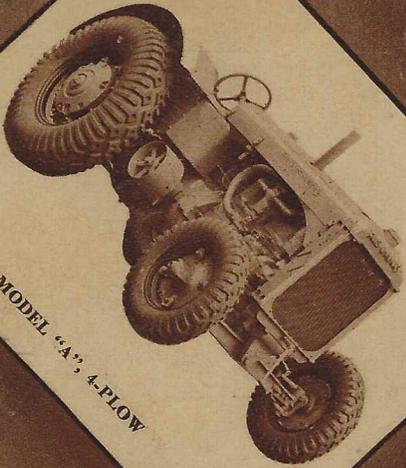
NEW YORK—"The 'WC' tractor has anything stopped on four wheels when it comes to power, and we find it very economical on fuel and oil."

INDIANA—"I farm 235 acres of land with my Allis-Chalmers 'WC' outfit, and when it comes to breaking and working the ground my 'WC' is right there with plenty of power to do the work and do it right. I plowed 10 acres per day right along, plowing 7 inches deep and better, using about 15 gallons of gasoline per day. Pulling a 7-foot tandem disc cutting as deep as the disc would cut, I disced as much as 35 acres in 9 hours, using only a tank or 15 gallons of gasoline and driving three miles to and from work."

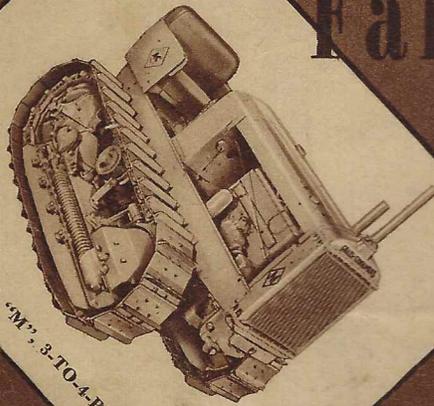
MODERN



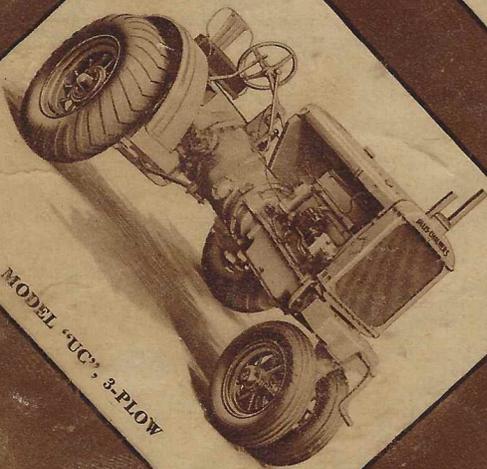
Farm Tractors



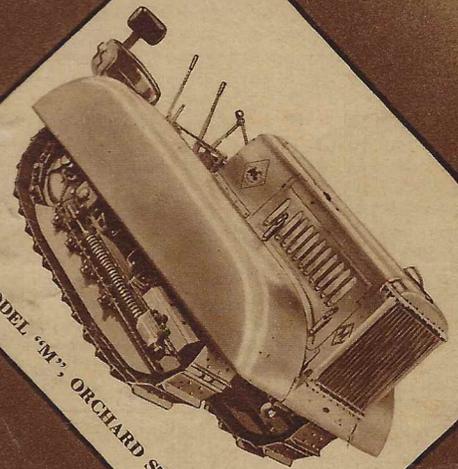
MODEL "A", 4-*PLOW*



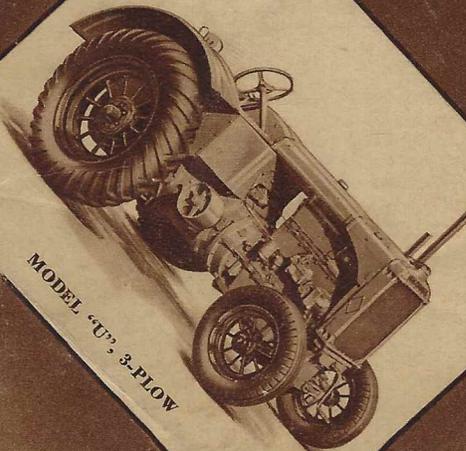
MODEL "M", 3-*TO-4-
PLOW*



MODEL "UC", 3-*PLOW*



MODEL "M", *ORCHARD
STYLE*



MODEL "U", 3-*PLOW*

**23
MODELS**

ALLIS-CHALMERS MFG. CO.