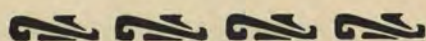




MCCORMICK

TILLAGE IMPLEMENTS



**INTERNATIONAL HARVESTER
COMPANY OF AMERICA**
(INCORPORATED)
CHICAGO, U. S. A.

Introductory

The McCormick line of tillage implements has the same high standard of excellence that characterizes the McCormick line of harvesting machines. All implements stenciled with the name "McCormick" are made from carefully studied designs and improved to meet the needs of progressive agriculturists. McCormick implements are substantially constructed, and with ordinary usage will remain serviceable for many years.

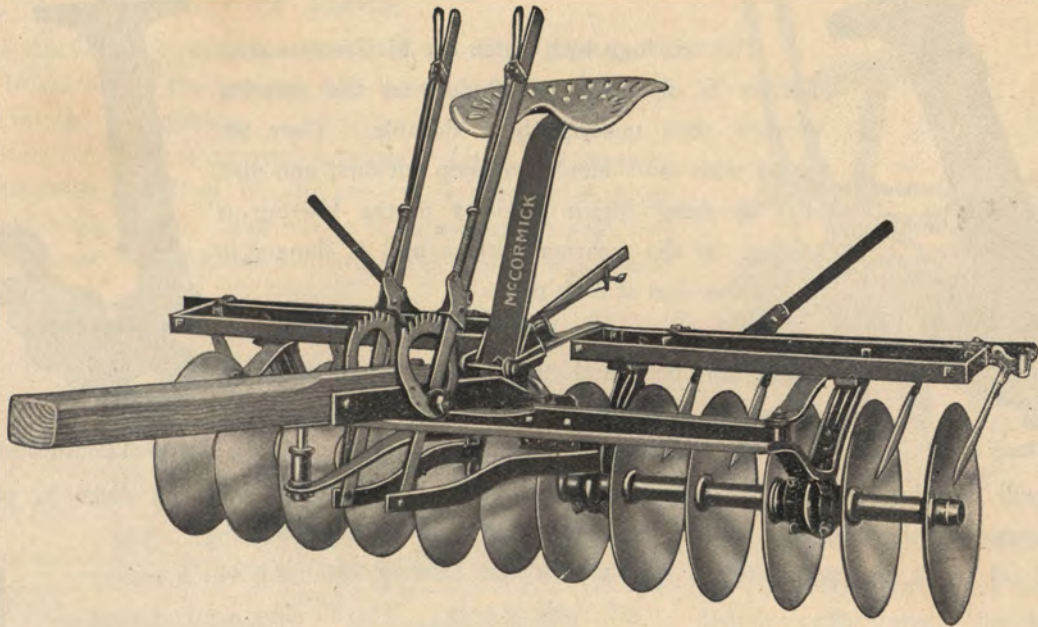
The full line is illustrated and described in detail on the following pages.

International Harvester Company of America

(INCORPORATED)

CHICAGO

U. S. A.



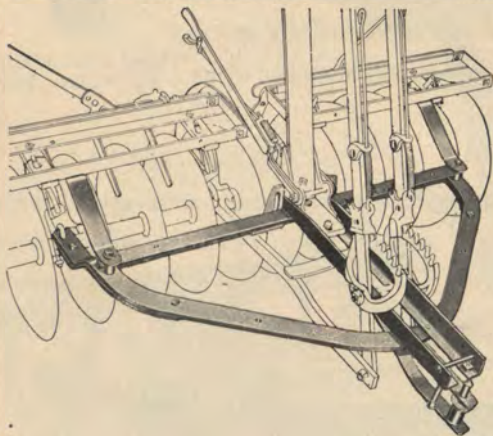
McCormick Disk Harrow

McCormick Disk Harrow

The McCormick disk harrow is a most efficient implement for all purposes where a disk harrow is required. It is constructed to withstand the rough usage to which a disk harrow is continually subjected.

The main frame is made of one solid piece of high carbon steel. A strong angle iron cross beam is bolted across the frame.

Heavy angle irons are riveted to the center of the cross beam and main frame. These cross beams give additional strength to the frame, form a rest for the tongue and lever quadrants, and serve as a stub pole, making it unnecessary to set in a wooden stub when the tongue is set to one side for the three horse hitch.



A Solid Frame

It will be noticed by reference to the illustration of the disk harrow that the part of the frame which is attached to the bearings is curved upward. This gives a high frame, and allows the levers sufficient length to easily control the disks without catching stalks or trash on the ends of the levers and lever bars. The frame is so fastened to the bearings that the disk gangs have sufficient freedom of movement in all adjustments.

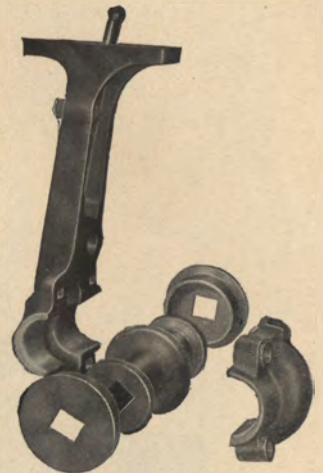
Bearings



Easy to Oil

The bearings with which the McCormick disk harrow is equipped are chilled on the wearing surface, thus making them durable. They are fitted with sand bands to keep out dust and dirt. The bushing which revolves in the bearing is chilled on the wearing surface and is flanged in the center and at both ends.

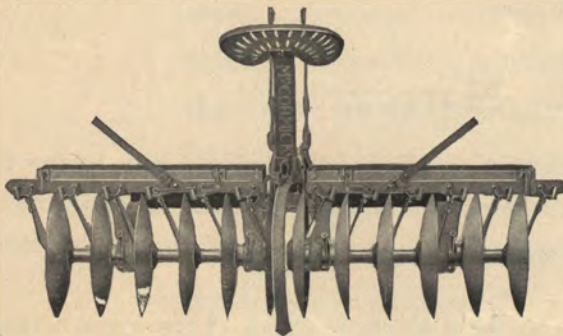
It has a square hole which fits snugly over the arbor bolt, and turns with the disk gang. These flanges take up end motion of the gangs, thus eliminating extra draft.



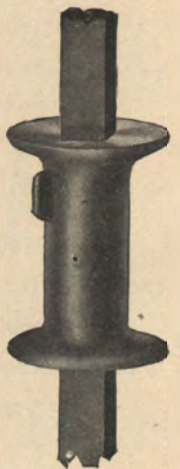
A Well Constructed Bearing

It will be observed that this bushing acts both as a spool to hold the disks in place and as a journal for the bearing, making a very simple and efficient bearing.

The oil pipes protrude through the top of the bearing standard which makes oiling easy. The oil pipes are equipped with stoppers which keep out dust and dirt. If the hole in the bearing should become clogged, it is but a matter of a few minutes to remove the oil pipe and clean out the bearing.



Rear View McCormick Disk Harrow Showing
Scraper Construction



Spool Cannot Slip
on Anchor Bolt

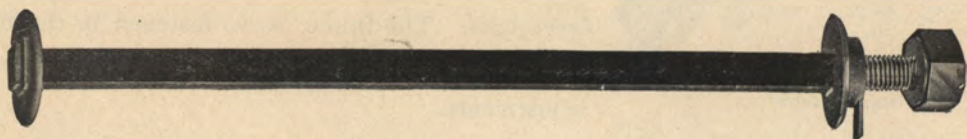
Scrapers

thoroughly cleaned in all conditions of soil.

The scrapers are strong. They are constructed with broad edges shaped to fit the disk and are operated by levers near the seat. They will keep the disks

Gang Construction

The disk gang is held together by an extra heavy square arbor bolt and metal spools with flanges machined to fit the disks. The spools and disks have square holes which fit snugly over the arbor bolt. The arbor bolt is fastened with a lock nut. This construction insures a harrow with disks which will not come loose.

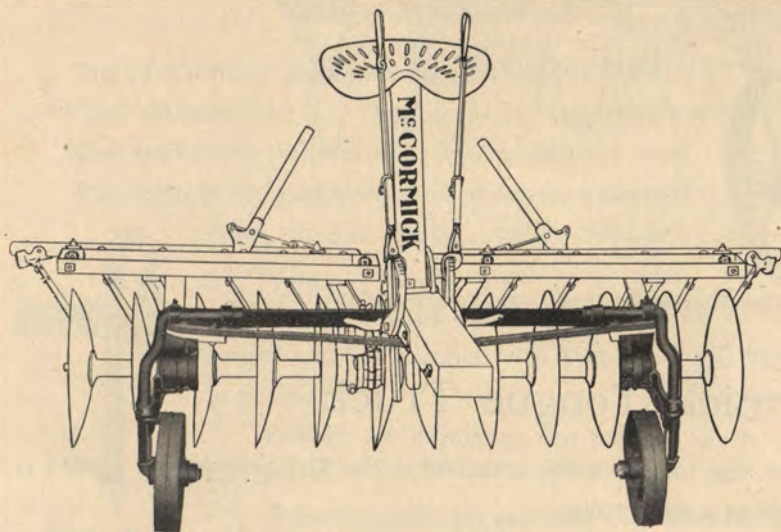


An Extra Large Arbor Bolt

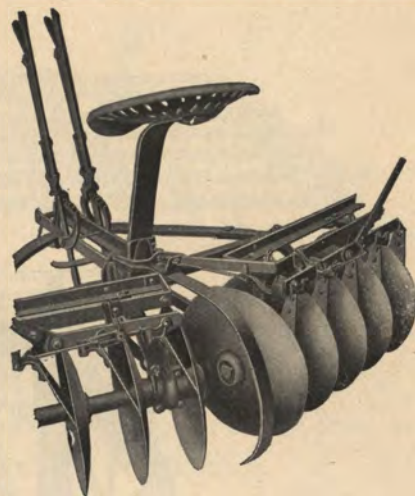
Center Tooth

The McCormick disk harrow is equipped with a center tooth. It cultivates the ground left between the gangs, and leaves it in a level condition.

This center tooth is pivoted just back of the seat support, and is adjusted for deep or shallow cultivation by a lever convenient to the driver. The range of adjustment is sufficient to set the center tooth for deep cultivation or raise it high when not in use.



McCormick Disk Harrow on Transport Trucks



Center Tooth

Transport Trucks

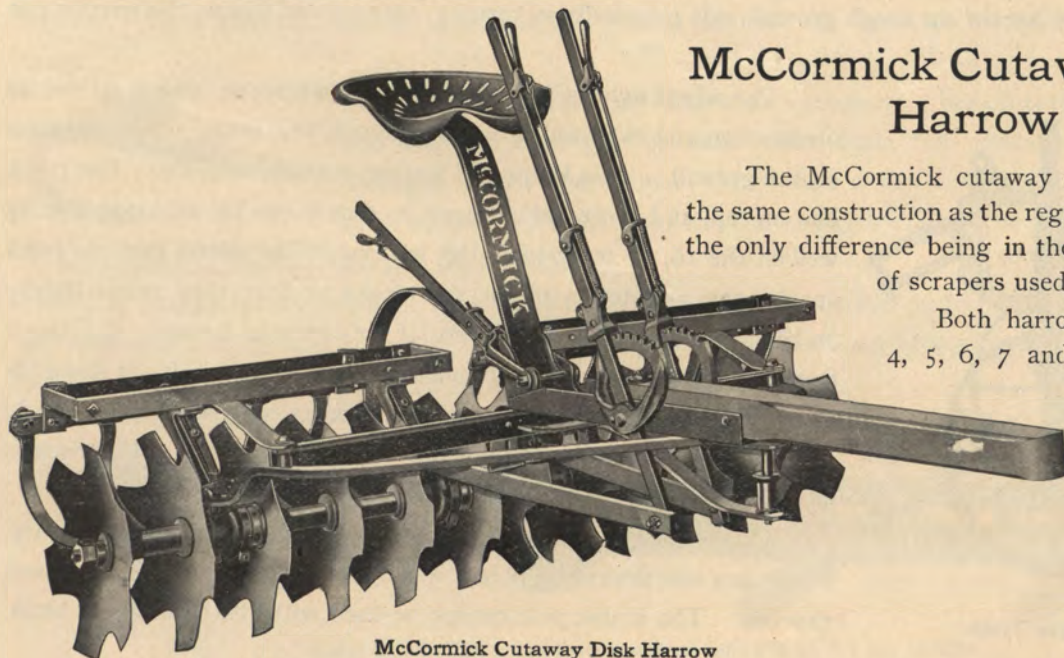
The transport truck is an excellent device for transporting the harrow. It is simply made, consisting of two wheels, axle standards and the bearings for attaching the truck to the harrow. It can be quickly attached and removed. These trucks are furnished only at additional cost and on special order.

McCormick Cutaway Disk Harrow

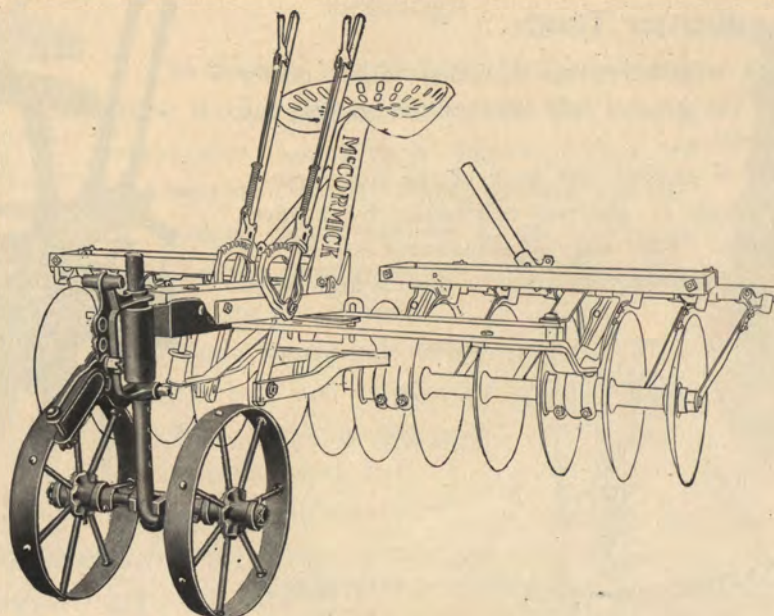
The McCormick cutaway disk harrow has the same construction as the regular disk harrow, the only difference being in the disks and style of scrapers used.

Both harrows are made in 4, 5, 6, 7 and 8-foot widths.

They are furnished in three sizes of disks, 16, 18 or 20 inches in diameter.



McCormick Cutaway Disk Harrow

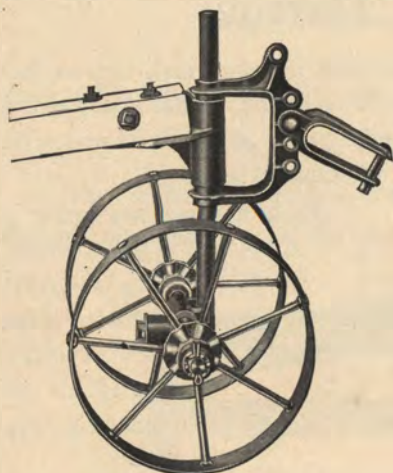


McCormick Disk Harrow Equipped with Tongue Truck

McCormick Tongue Truck

The advantages to be derived from the tongue truck attached to the McCormick disk harrow are so great that the truck will pay for itself in a short time.

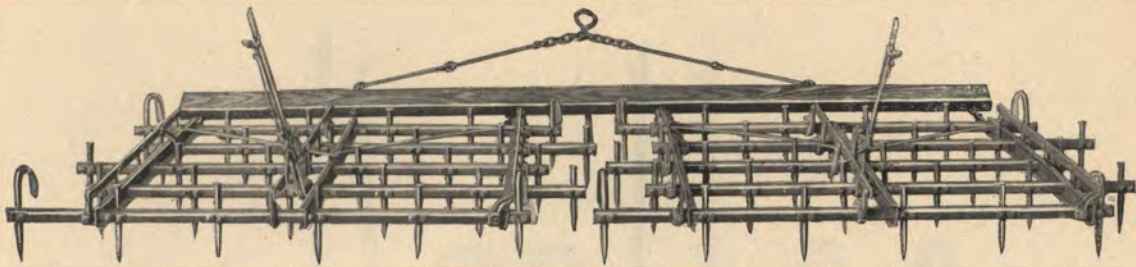
The truck takes the weight of the tongue off the horses' necks, prevents the tongue from lashing the sides of the horses on rough ground, aids materially in turning corners and makes the harrow run steadily.



Tongue Truck

The wheel axle is journaled so that when one wheel strikes an obstruction and is raised from the ground, the other wheel remains on the ground. This keeps the harrow running steadily. The truck has an up and down adjustment so that it can be adjusted equally well on the 16, 18 or 20-inch disk harrow. The clevis hitch in front enables the operator to adjust the trucks so that they press lightly on the ground. This is a feature of importance because the truck does not dig down into the ground and cause undue draft. It also adds to the durability of the truck, because it takes away strains that would result if the wheels were plowing into the ground. This truck is only furnished on special order at an additional cost.

This truck runs so perfectly that a limber pole is not necessary, but to any one desiring a pole it will be furnished at a slight additional expense. The limber pole cannot be used with the three-horse hitch.

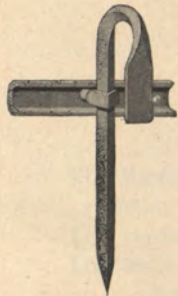


McCormick Peg Tooth Harrow

McCormick Peg Tooth Harrow

The McCormick peg tooth harrow is made entirely of steel, with the exception of the draw bar and a few malleable parts. The harrow is designed for strength, durability and efficiency.

The frame bars are made of heavy channel steel. The tooth beams are U-shaped steel bars. The teeth are forged from steel of selected strength. Their heads are upset to prevent dropping down through the clips should the teeth ever become loose. The teeth can be adjusted to compensate for wear.



Runner Tooth

The steel clips which hold the teeth to the tooth beams are drop forged and are fastened with two nuts. They hold the teeth securely in position.

Lever for adjusting the position of the teeth are convenient to the driver.

Runner teeth are provided on the outer ends of the first and last tooth beams of each section. These teeth act as a transport for the harrow. They keep the harrow free from the ground so that the teeth do not catch trash.



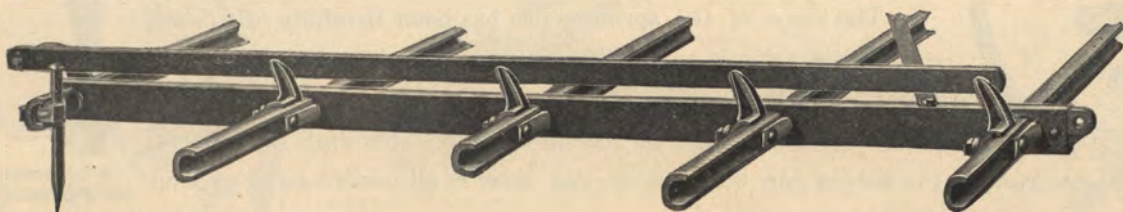
Runner Tooth in Position for Transporting the Harrow

The sections are provided with a connecting bar on each end. These bars give to each tooth beam the combined strength of all the others; thus when a tooth strikes an obstruction the tooth beam has the strength of the others to keep it from springing.

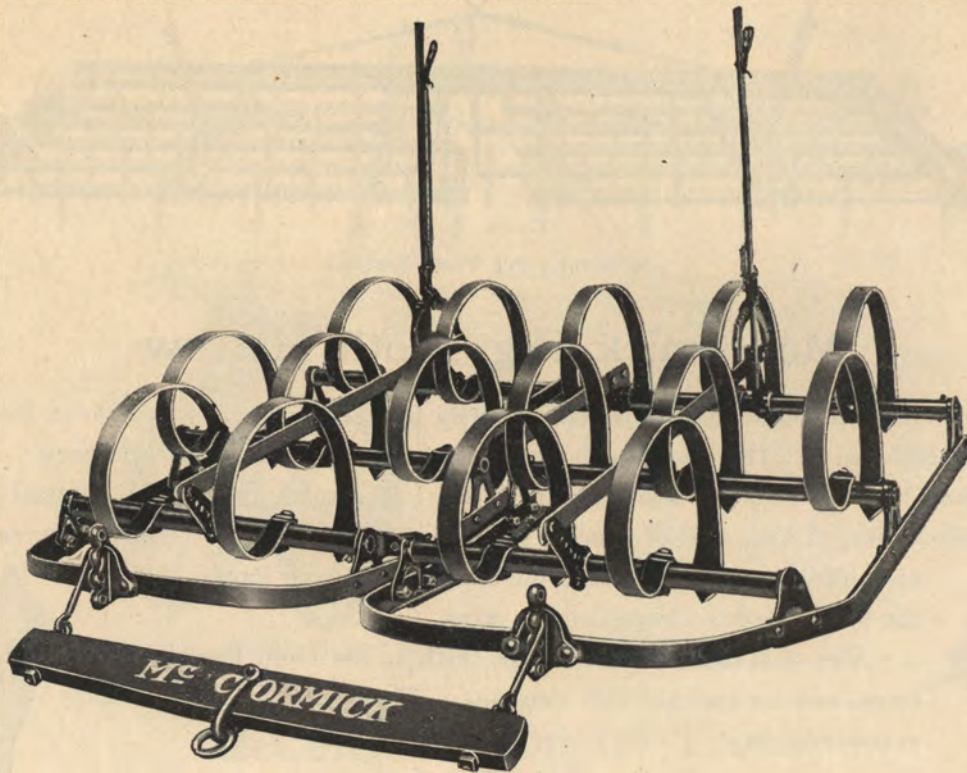
The harrow is very flexible. It will readily conform to irregularities in the ground. The sections are made with 25, 30 and 35 teeth. As many sections as desired can be connected. There are two styles of teeth: $\frac{1}{2}$ -inch square and $\frac{5}{8}$ -inch diamond shape.



A Steel Drop Forged Clip Holds Each Tooth



Each Tooth Beam has the Combined Strength of All the Others



Front View McCormick Spring Tooth Harrow

McCormick Spring Tooth Harrow

The McCormick spring tooth harrow is solidly constructed, and therefore has great strength and wearing qualities.

The frame is made in two sections. Each section has an upward slope in front which allows the trash to pass easily under the frame. The sections are held together by two malleable hinges which allow each section sufficient freedom for the harrow to conform to irregularities in the ground.

The tooth beams are tubular and fastened to the frame by malleable hinges, the connection being made by a thimble passing through the hangers into the tooth beams. Cotter pins fastened through the tooth beams and thimbles hold the tooth beams firmly against the hangers, thus making it impossible for the frame to spread.

The shape of the spring tooth has been carefully calculated, so that the strain is equally distributed over the entire tooth. It does not break.

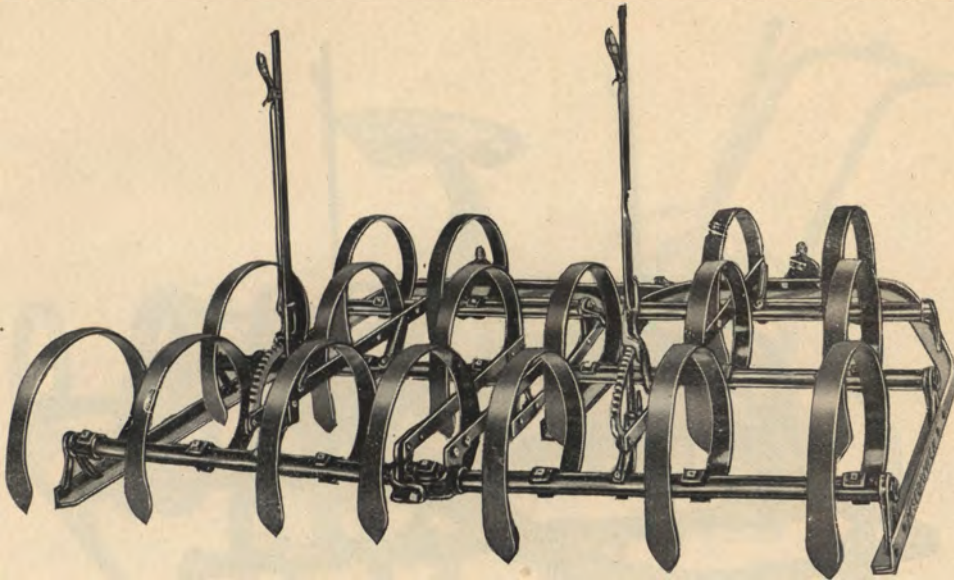
By hitching high or low in the adjustable draft attachment, the harrow can be made to run level in all conditions of ground.



A Durable Tooth



A Substantial Fastening



Rear View McCormick Spring Tooth Harrow

Special Features

The teeth are so spaced on the harrow that it will draw straight, and the teeth will not trail each other, thus each tooth will do its full share of work.

The teeth can be adjusted to compensate for wear.

The ends of the teeth wrap two-thirds of the distance around the bars where they are bolted. This manner of adjusting them gives the greatest amount of spring possible without straining the tooth bolts.

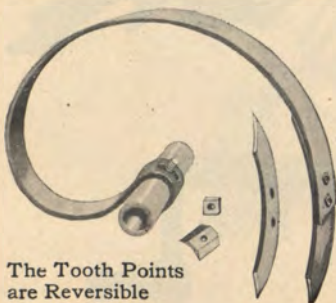
A shifting lever on each section enables the driver to set the teeth at any desired depth or raise them high for clearance of trash and transportation, rendering it unnecessary to load the harrow on a stone-boat or wagon.

A steel shoe is bolted on the bottom of the frame and insures long wear. This shoe can be replaced when worn, thus adding to the durability of the harrow.

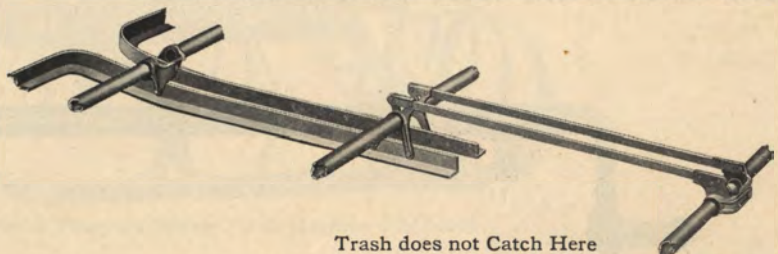
The tooth beams are journaled high from the ground to allow trash and rubbish to pass easily under the harrow.

This harrow may be equipped with reversible pointed teeth. The durability of the teeth can be practically doubled by turning the teeth end for end when the outer end becomes worn or blunted after long usage. The harrow equipped with reversible teeth is a little more expensive than when equipped with the regular teeth.

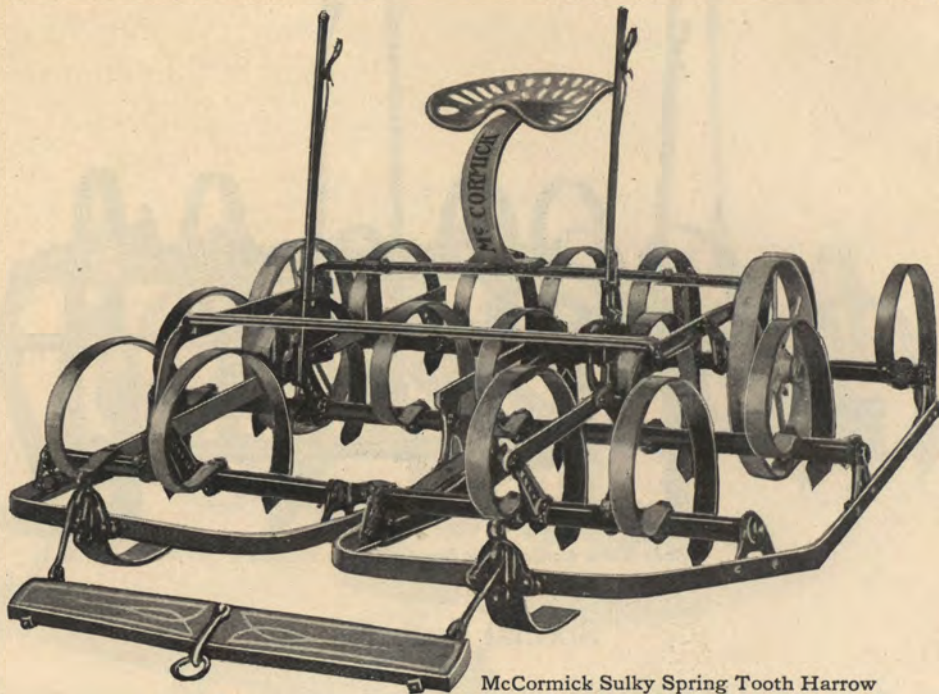
There are four sizes: 15, 17, 23 and 25 teeth.



The Tooth Points are Reversible



Trash does not Catch Here



McCormick Sulky Spring Tooth Harrow

McCormick Sulky Spring Tooth Harrow

The only difference between the McCormick sulky spring tooth harrow and the regular spring tooth harrow, described on pages 8 and 9, is in the sulky attachment. The frame, teeth, fastenings, adjustable hitch—in fact every part is exactly the same as used on the spring tooth harrow.

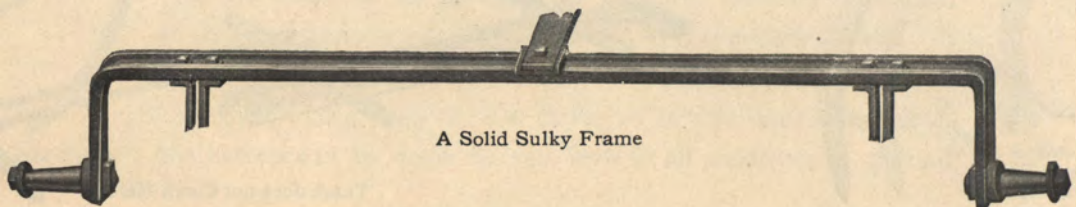
The sulky attachment is entirely independent of the harrow itself. The driver's weight is carried upon the sulky. However, if conditions are such that the weight of the sulky and driver are desirable, their combined weight may be thrown upon the harrow.

The sulky attachment is made with broad-faced wheels and dust-proof bearings.

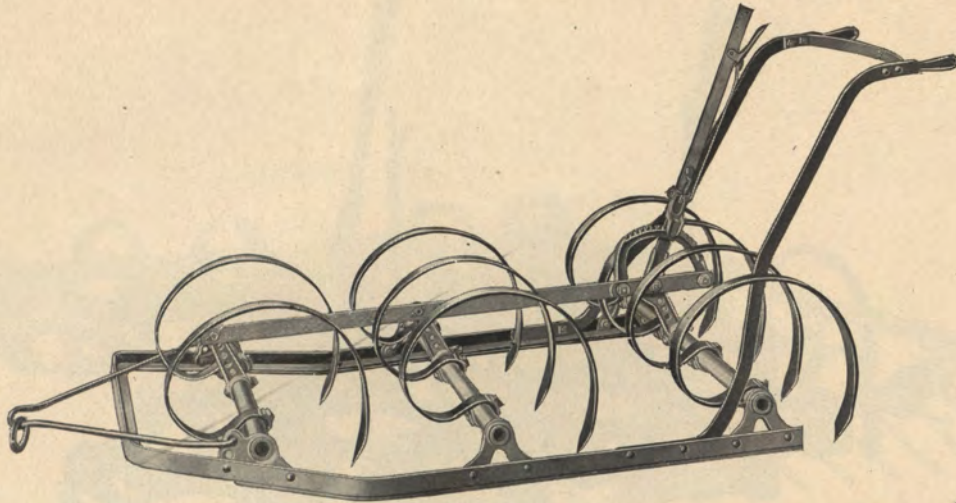
The regular spring tooth harrow may be equipped with a sulky attachment, and the same attachment can be used on the 17 and 23-tooth sizes, but the 15-tooth harrow requires a smaller sulky.



An Adjustable Draft Hook



A Solid Sulky Frame



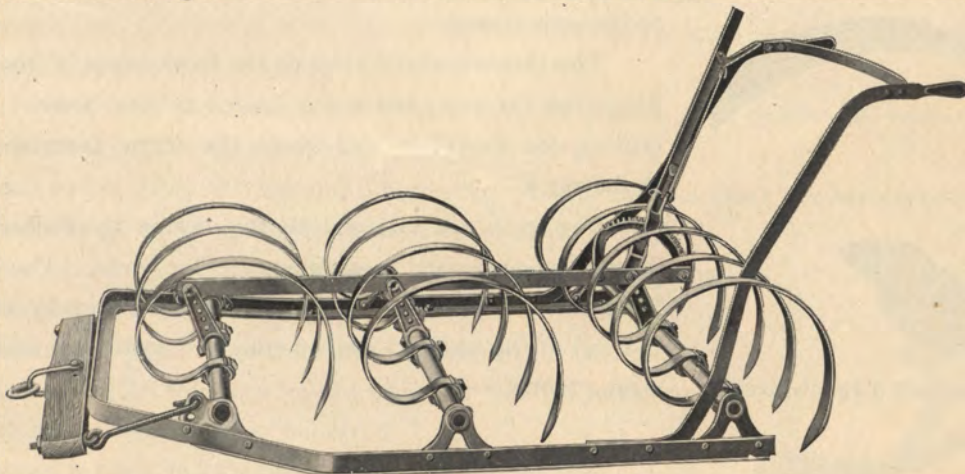
McCormick Vineyard Spring Tooth Harrow—9-Tooth

McCormick Vineyard Spring Tooth Harrows

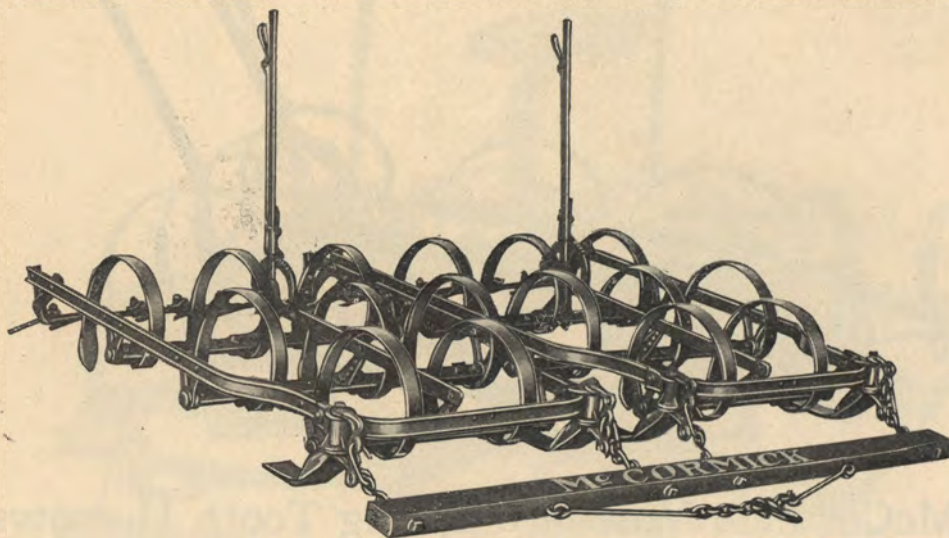
The McCormick vineyard spring tooth harrows have the same general construction as the regular spring tooth harrows. The method of fastening the teeth, tooth beams and construction of the teeth are the same.

The frame is bent up in front to allow the harrow to easily pass over trash. Levers are provided which control the cutting depth of the teeth. These harrows are made with 7, 9 and 12 teeth. The 7 and 9-tooth sizes are furnished with metal draw bars and the 12-tooth with a wooden draw bar. These harrows will be furnished with or without handles.

These harrows are especially useful in vineyards, orchards and places where the larger harrows cannot be used to advantage.



McCormick Vineyard Spring Tooth Harrow—12-Tooth



Front View McCormick Combination Harrow

McCormick Combination Harrow

As its name implies, the McCormick combination harrow is really two harrows in one. It is both a pulverizer and smoothing harrow. The spring teeth thoroughly cultivate the ground, and the trailing teeth at the rear smooth it and leave it in good condition for receiving the seed.

The frame of each section is one continuous piece of channel steel, connected at the rear by the steel bar which holds the slanting teeth.

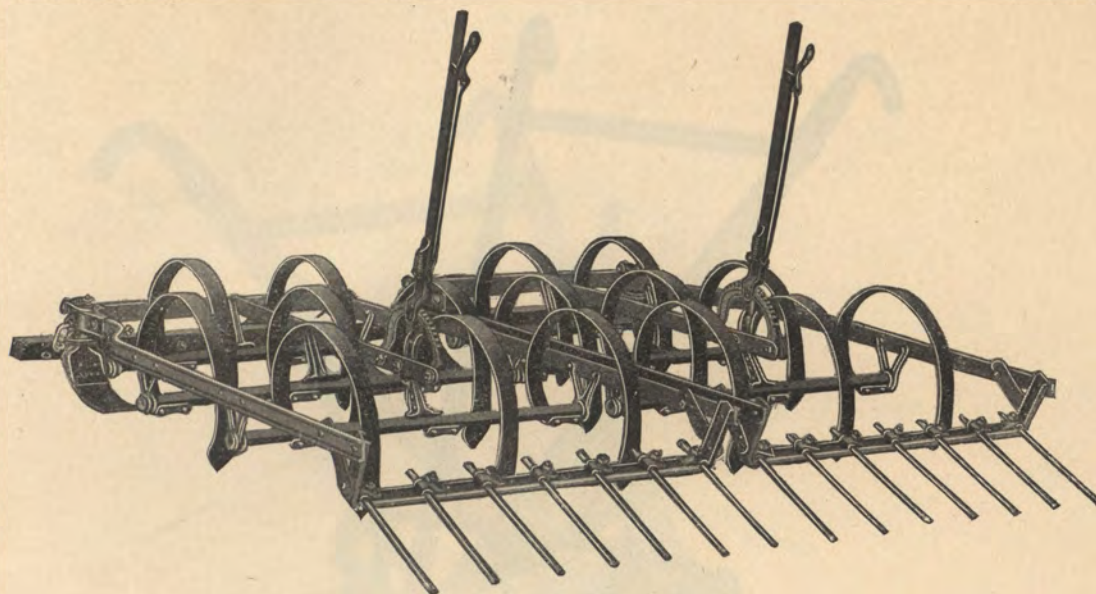
The tooth beams are channel steel and journaled in malleable brackets which are solidly riveted to the main frame.

The thimble which journals the tooth beam in the bracket is flanged on the outer end and is bolted to the beam. It forms a bearing for the beam and keeps the frame from springing out at the sides.

The teeth are fastened to the beams by malleable clamps. They can be adjusted to compensate for wear. The clamps are fastened by two bolts, thus eliminating the necessity of a hole in the end of the tooth. This method of fastening insures a very strong tooth



A Solid Tooth Fastening



Rear View McCormick Combination Harrow

Special Features

The draft irons are provided with a series of holes to change the draft.

Hitching high or low throws more or less weight on the trailing teeth in the rear; thus the driver can adjust the harrow for all conditions of ground.

By means of a lever within convenient reach, the driver can set the spring teeth to work at any desired depth or throw them high for transportation, making it unnecessary to load the harrow on a stone-boat or wagon.

The rear teeth act as rudders to keep the harrow running straight.

They prevent the frame from shooting sideways and the spring teeth from trailing, thus cultivating the ground satisfactorily.

The frame and tooth bars are carried up high from the ground so as to allow all trash to pass freely under the harrow.

The broad swivel shoes in front and the slanting teeth in the rear carry the harrow over rough and uneven ground, and keep the spring teeth working at an even depth.

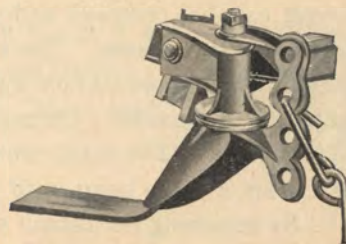
The swivel shoes aid in turning corners. They form a foundation for the harrow and prevent it from tipping up.

These shoes are sloped so that they easily pass over trash.

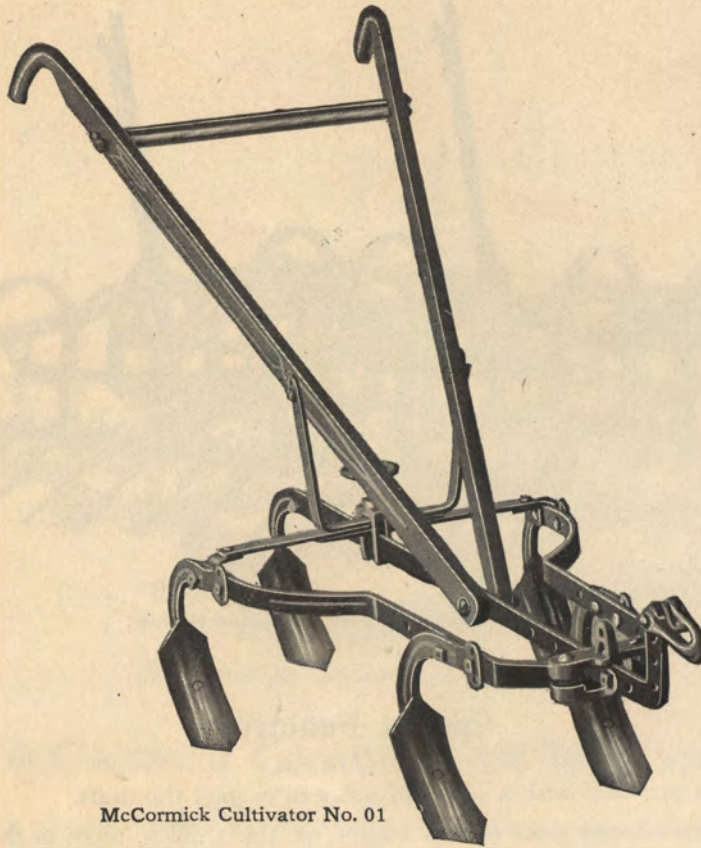
This harrow may be equipped with double pointed teeth the same as the regular spring tooth harrow if desired.

This harrow is made in one, two and three sections.

Each section is equipped with eight spring and seven trailing teeth.



The Swivel Shoe



McCormick Cultivator No. 01

McCormick Steel Cultivators

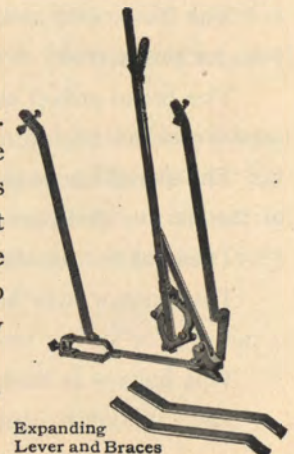
The McCormick cultivators shown on pages 14, 15, 16, 17 and 18 are alike in general construction. The handles, shovels, shanks and beams are the same. The only difference is in the attachments which are added to make the different cultivators.

It will be readily seen by a perusal of these pages that the No. 05 can be made from the other cultivators; consequently a farmer may buy a No. 01 cultivator, and by adding the different attachments have the complete line Nos. 01, 02, 03, 04 and 05.

McCormick Cultivator No. 01

This cultivator is equipped with five shovels and thumb screw expansion. The shovels have reversible cutting edges. When one surface is worn out the shovel can be reversed and the other end used. This makes these shovels practically two in one. The shovels are made extra thick in the center so that they provide ample surface for the deep square holes through which they are bolted to the shanks. On account of this construction, the shovels never slip on the shank. The thick center also makes the shovels very strong, and they will retain a sharp point until worn out.

By removing the thumb screw expansion and attaching the expansion lever and braces to the No 01 cultivator it is made into a No. 02.



Expanding
Lever and Braces



McCormick Cultivator No. 02

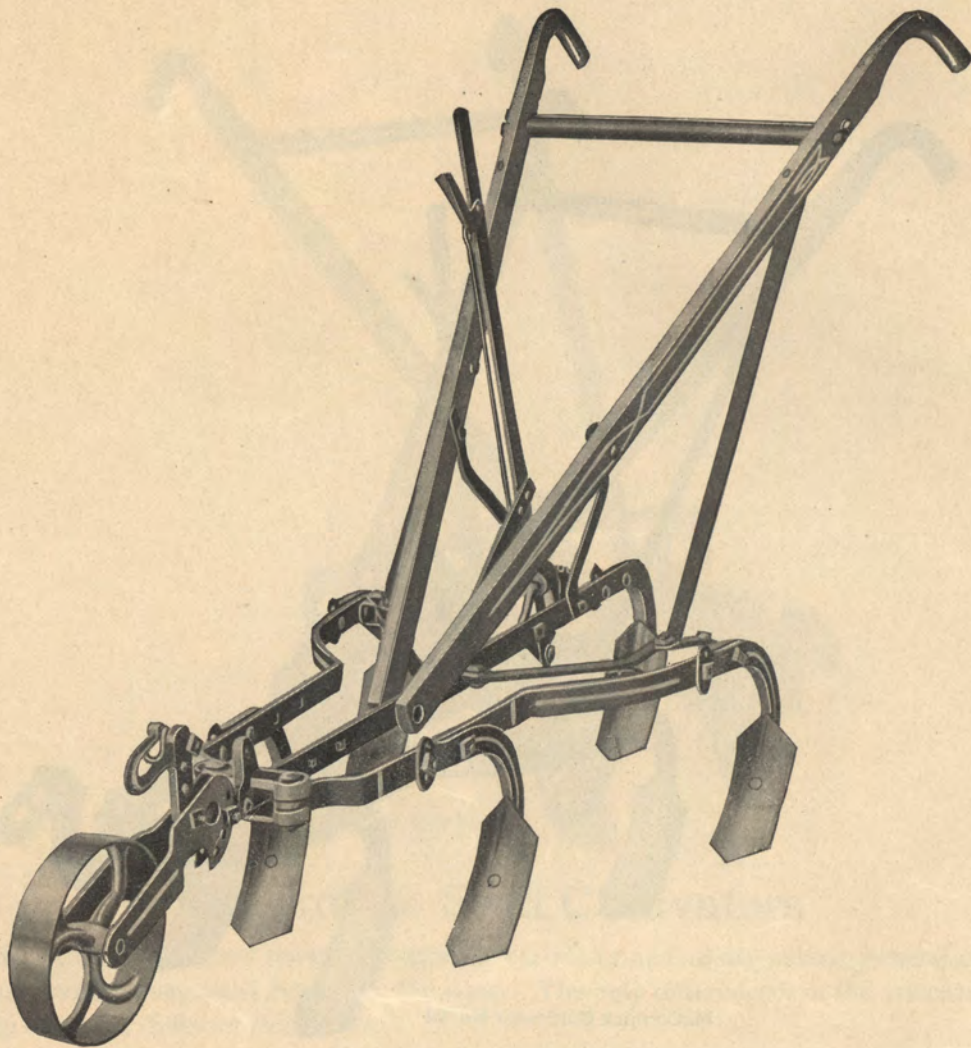
McCormick Cultivator No. 02

Like the No. 01, the No. 02 cultivator is equipped with five shovels. The expansion lever is used in place of the thumb screw expansion. This cultivator may be used between rows of different widths very conveniently because the driver can change the width to be cultivated quickly. The same style of shovels are used on this cultivator as the No. 01.

The wheel jack shown on this page attached to the No. 02 cultivator makes it a No. 03. The side arms of the wheel jack are punched from plate steel, and they are made so that they can be adjusted to regulate the depth to be cultivated. This wheel jack can be attached to any one of the cultivators.



Wheel Jack



McCormick Cultivator No. 03

McCormick Cultivator No. 03

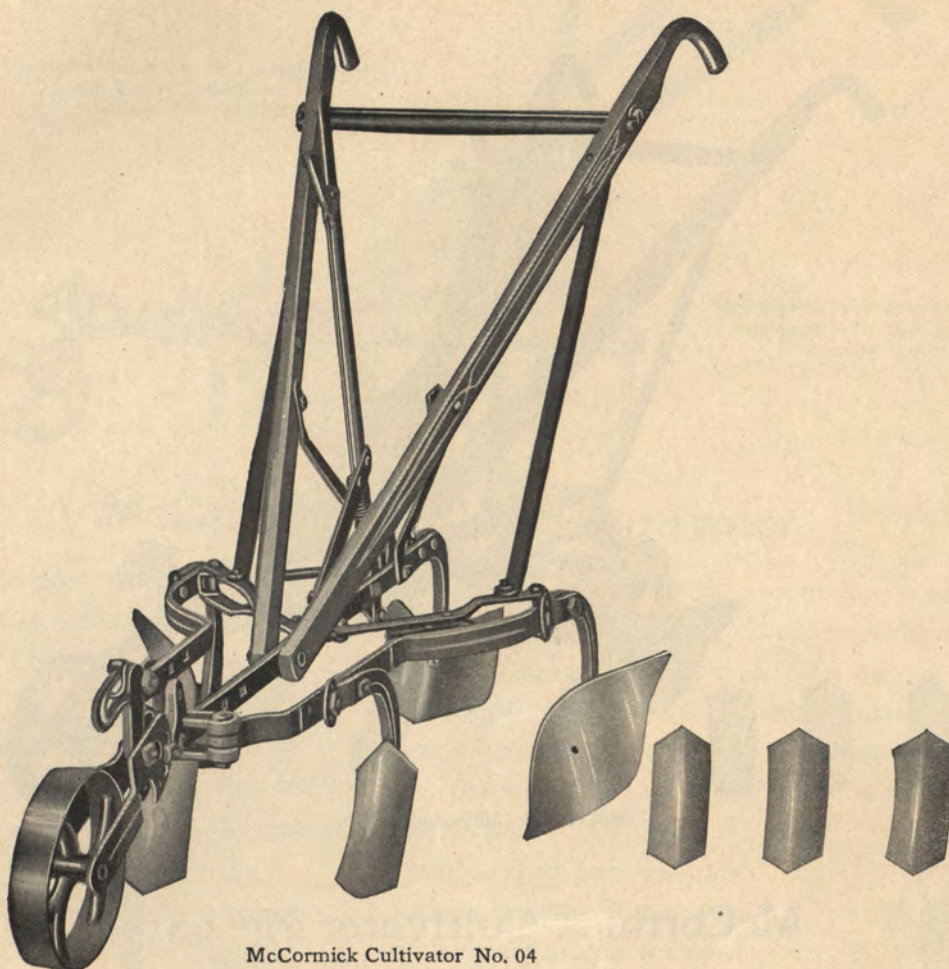
The McCormick cultivator No. 03 illustrated on this page is equipped with the wheel jack; in other respects it is like the No. 02.

The shovel shanks are high carbon steel. Both ends are drop forged in dies, and finished so as to make them very strong. They can be adjusted to allow the shovels different cutting angles.



Horse Hoe and Mould Boards

By removing the three back shovels and putting on the horse hoe and mould boards illustrated herewith the No. 03 cultivator is made into a No. 04. The mould boards have two cutting surfaces and are interchangeable.

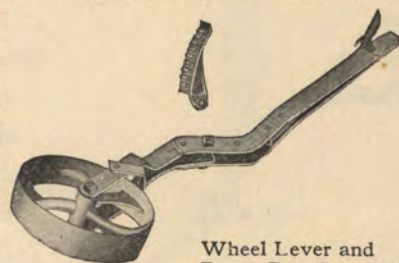


McCormick Cultivator No. 04

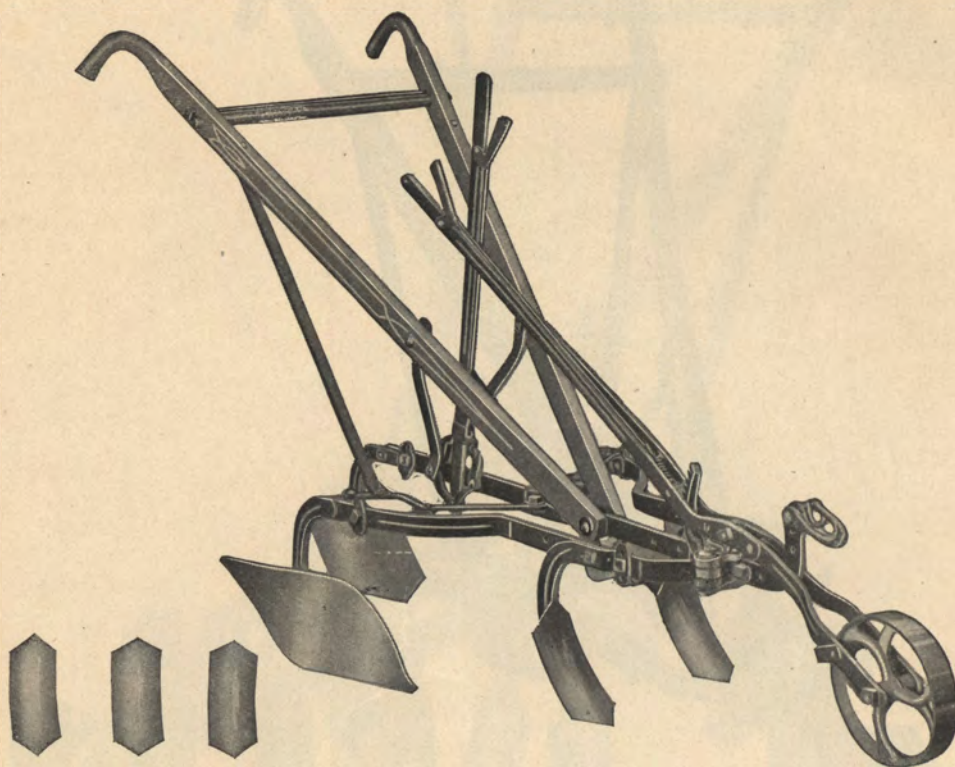
McCormick Cultivator No. 04

The McCormick cultivator No. 04 is shown on this page. It is exceptionally efficient for hilling purposes where the operator has frequent occasion to change the width of cultivation, because the change can be easily made and without any delay.

The No. 04 is like the No. 05 with the exception of the wheel lever attachment for regulating the depth to be cultivated. By removing the wheel jack from the No. 04 cultivator and putting on the wheel lever depth regulator it is made into a No. 05.



Wheel Lever and
Depth Regulator



McCormick Cultivator No. 05

McCormick Cultivator No. 05

The McCormick cultivator No. 05 is equipped with shovels, mould boards, horse hoe, expanding lever, and wheel lever depth regulator.

It is exceptionally efficient because the depth to be cultivated and width of cut can be changed without stopping the horse.

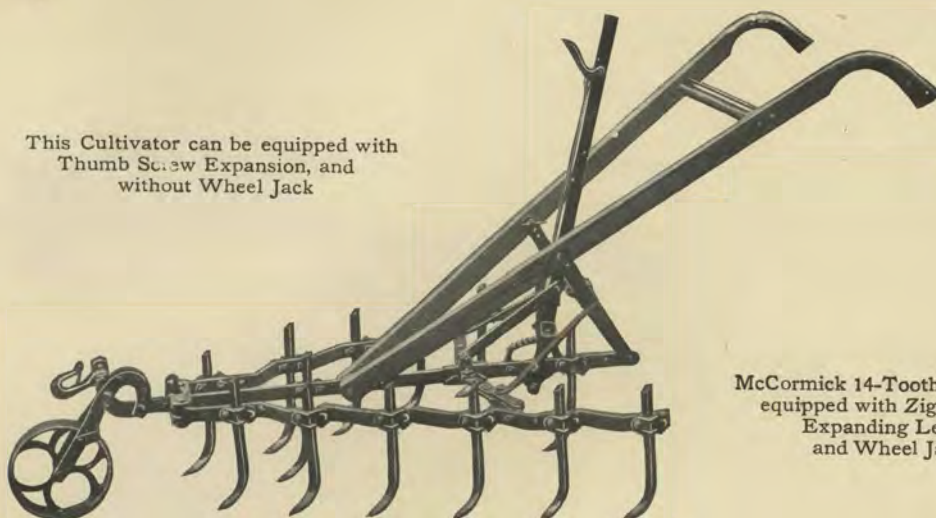
Depth Regulator



Depth Regulator

The depth regulator is a device to be attached to the No. 03 cultivator. It regulates the depth to be cultivated so that all the shovels cut the same depth. It is attached to the center beam and wheel lever so as to be operated by means of the wheel lever.

This Cultivator can be equipped with Thumb Screw Expansion, and without Wheel Jack



McCormick 14-Tooth Cultivator equipped with Zigzag Bar, Expanding Lever, and Wheel Jack

McCormick 14-Tooth Cultivator

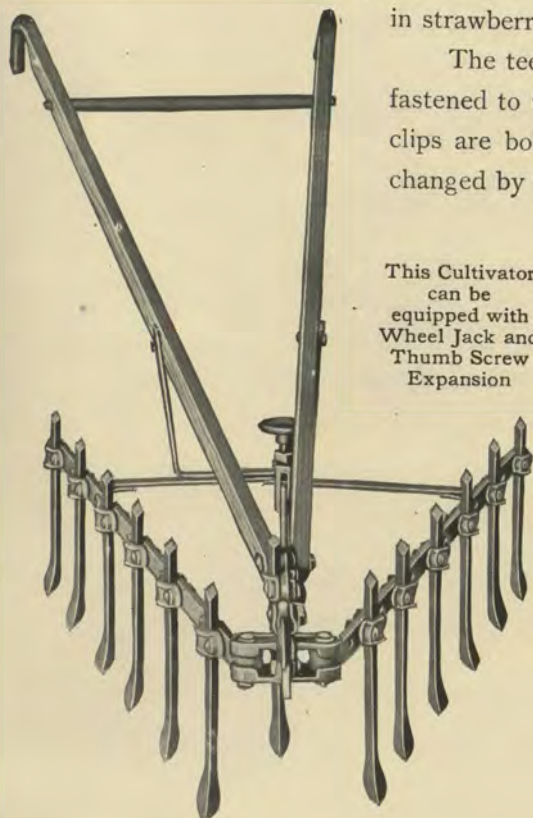
The McCormick 14-tooth cultivator is an excellent implement for use in places where close cultivation without hilling is required. For this reason this cultivator will do exceptionally good work in strawberries, raspberries, blackberries, vines, hops, etc.

The teeth are shaped to provide a clean cutting surface. They are fastened to the frame by malleable clips which are adjustable. These clips are bolted to the frame so that the angle of the teeth can be changed by means of them.

The tooth bars are either straight or zigzag. Either style of cultivator may be equipped with or without the wheel jack, expanding lever or thumb screw expansion.

The handles are adjustable up, down or sideways. By moving the handles to one side the driver can cultivate close to vines, bushes, etc., without injury to himself or the plants.

A reversible curved end tooth will be supplied on special order.



This Cultivator can be equipped with Wheel Jack and Thumb Screw Expansion

Rear View 14-Tooth Cultivator with Straight Bar, Thumb Screw Expansion, and without Wheel Jack. Handles are Adjusted to the Side



By changing each Tooth Clip, the Pitch of the Teeth can be easily Adjusted Forward or Back



The McCormick Line

COMPRISES :

Binders Reapers

Header-Binders Headers

Mowers Hay Rakes

Hay Tedders Sweep Rakes

Stackers Corn Binders

Corn Pickers Corn Shockers

Huskers and Shredders

Binder Twine

and Tillage Implements

