

ESTABLISHED 1862

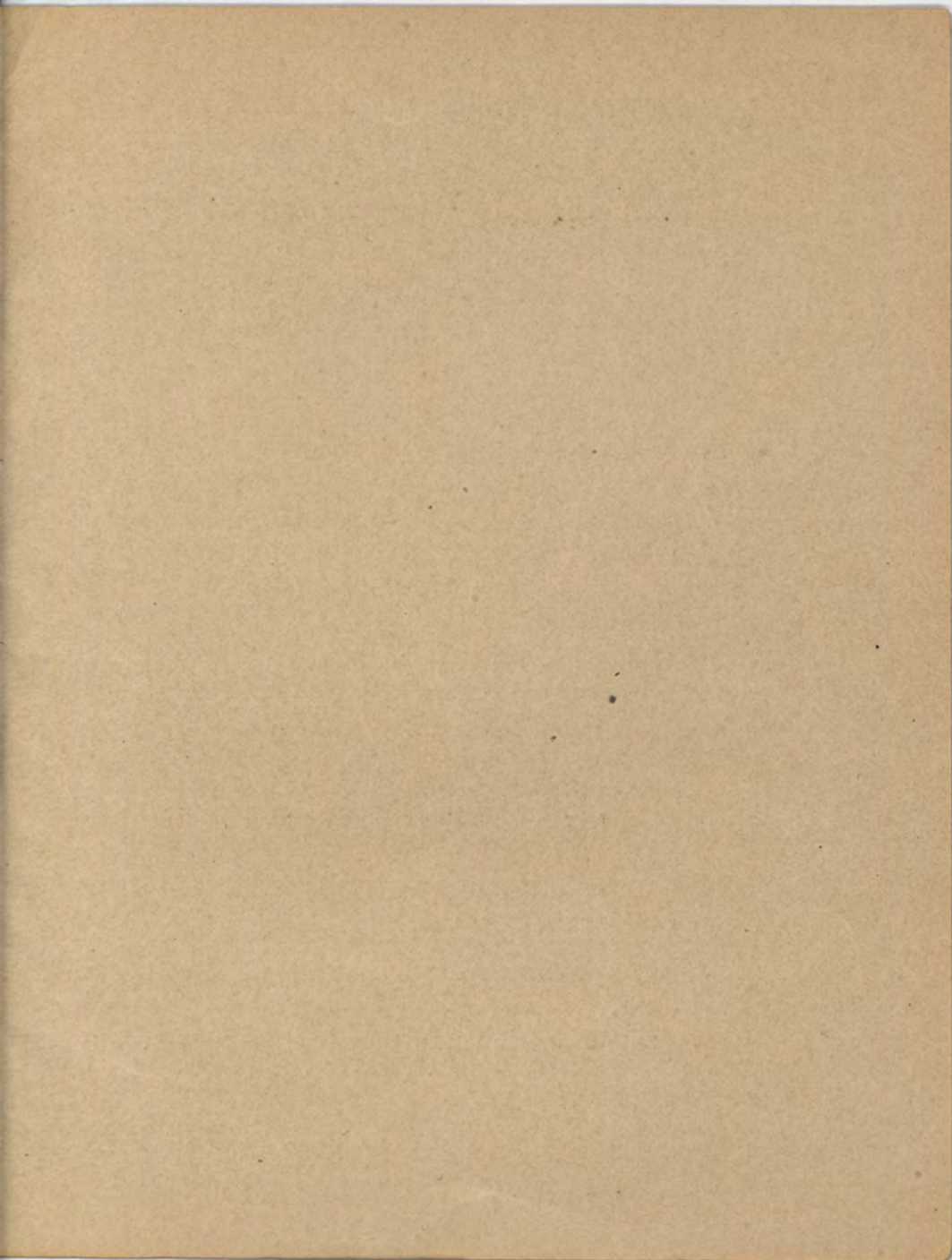
J. H. ALBRIGHT & SONS

MIFFLINBURG, PENN'A



CATALOGUE

Riding and Walking Cultivators
"Star" Two-Row Corn Planter
Spring Tooth Harrows



J. H. ALBRIGHT & SONS

MANUFACTURERS OF

RIDING CULTIVATORS

WALKING CULTIVATORS

RIDING CULTIVATORS WITH PLANTER
ATTACHMENTS, "STAR" TWO-ROW CORN
PLANTER, STEEL FRAME AND WOOD FRAME
SPRING TOOTH HARROWS, CULTIVATOR STEELS

MIFFLINBURG, - PENNSYLVANIA
U. S. A.



INTRODUCTORY



N this little pamphlet we will give illustrations and brief descriptions of various Riding and Walking Cultivators, Two-Row Corn Planters, Spring Tooth Harrows and Feed Cutters we are now manufacturing and offering for sale. Space forbids to relate the full merits of our line of Implements, but permits us to say briefly that we give more particular attention to the quality of the materials used, workmanship, finish and labor-saving devices which make our Implements so desirable and convenient. We give personal attention to the designing and construction of our Implements, and see to it that every device and part used in the construction is perfect in every respect. It is not our intention to produce an Implement at the lowest possible cost. If we were to do so we would be obliged to resort to the use of poor material and workmanship and the result would be a very unsatisfactory Implement and a displeased customer. It is our purpose to produce an Implement that cannot be excelled for quality, and an Implement that will soon earn its own cost and a handsome profit besides. Our Implements are equipped with all the latest labor-saving devices, and up-to-date in every particular.

To every prospective buyer we wish to say that you cannot go wrong by buying one of our Implements, for they are giving entire satisfaction to everyone that are using them and we know that they will serve you equally as well.

Our goods are sold by the best dealers everywhere. Ask your dealer for prices and full descriptions. Yours truly,

J. H. ALBRIGHT & SONS

MIFFLINBURG, PENNSYLVANIA



GUARANTEE

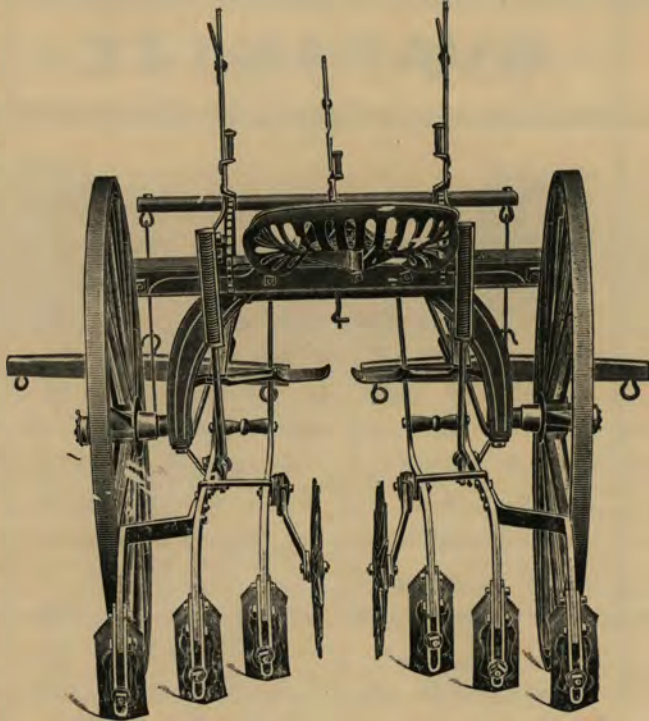


WE GUARANTEE our Implements against defects in material and workmanship' and that each will do the work as we recommend if properly set up and judiciously operated. If breakages, caused by defective material occur within one year from date of purchase, we will furnish such necessary parts f. o. b. at our works, but in no case will we furnish parts free where it is evident that such breakages were caused by accident, neglect or injudicious use by the operator.

We consider four inches a reasonable depth to set Spring Teeth and we cannot make ourselves responsible for any damage to either Teeth or Implements caused by using such Implement with the Teeth set at any depth exceeding four inches.

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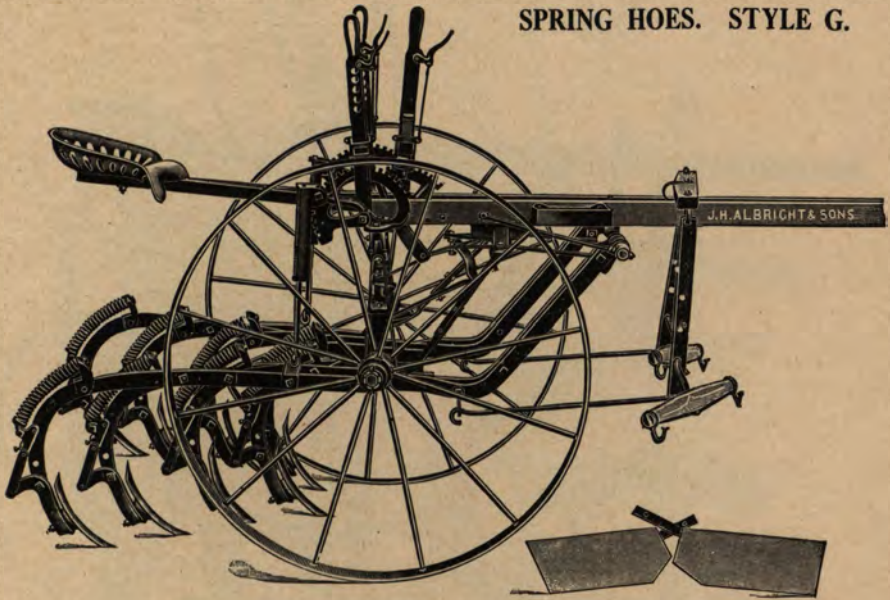
Parallel Beam Riding Cultivator. PIN HOES, STYLE G.



This is our latest designed Cultivator, one that can be adjusted in width of gauge and number of shovels in each gang. Cut shows it set for narrow rows, 33 inch gauge and three shovel gangs, thus being adopted for 24 to 28 inch rows. The axle can be telescoped out to make any gauge up to 44 inches, and additional shovels can be added to the gangs to cut as wide as required. The Cultivator has pivoted spindles, split tongue, lever for regulating the space between the gangs, levers having spring pressure devices for raising and lowering the gangs. It is fitted up with neckyoke, singletrees, extra shovels and beams for making four shovels in each gang, hilling shovels and narrow shovels. The common shovels have reversible backs. Optional: Staggered spoke metal wheels or hickory wood wheels, roller or solid shields. Weight, complete, 350 lbs. This Cultivator has the widest rang of usefulness of any similar one in the market.

Parallel Beam Riding Cultivator.

SPRING HOES. STYLE G.

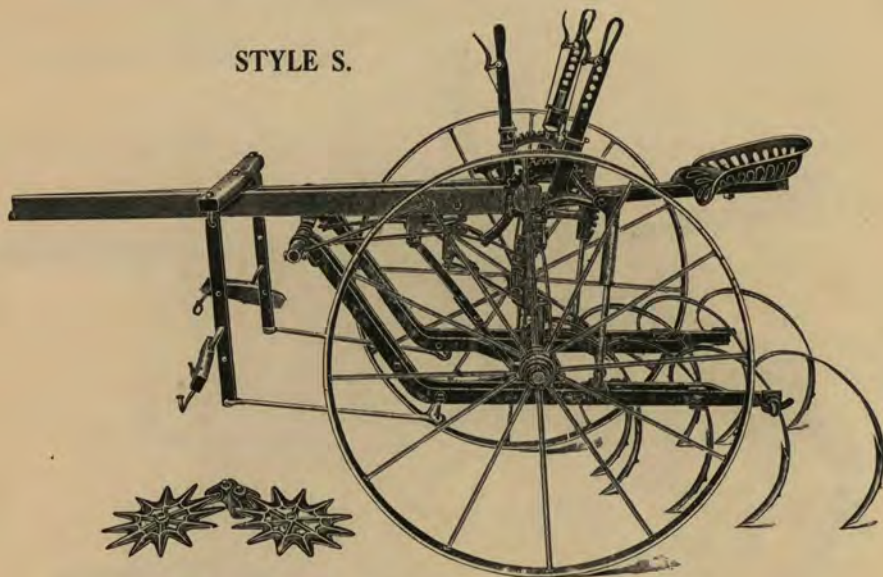


This Cultivator is constructed the same as the pin hoe, style G, with the exception that the gangs are equipped with our latest improved spring trip device. The spring hoe gangs are interchangeable with the pin hoe gangs, and are also interchangeable with the gangs for style S, which is a very advantageous feature, for the reason that with two or more sets of gangs to change, the farmer can use the one that best suits the requirements of the particular soil he wishes to cultivate.

The gangs are controlled with two levers supplied with direct connected Spring Pressure connections, and any required pressure can be applied. The center lever controls the space between the gangs. This lever is connected with a toggle joint device, which moves the gangs in front the same as back, keeping them parallel at all positions. We can furnish either staggered spoke metal wheels or hickory wood wheels, roller or solid shields. Weight, complete, 400 pounds.

Parallel Beam Riding Cultivator.

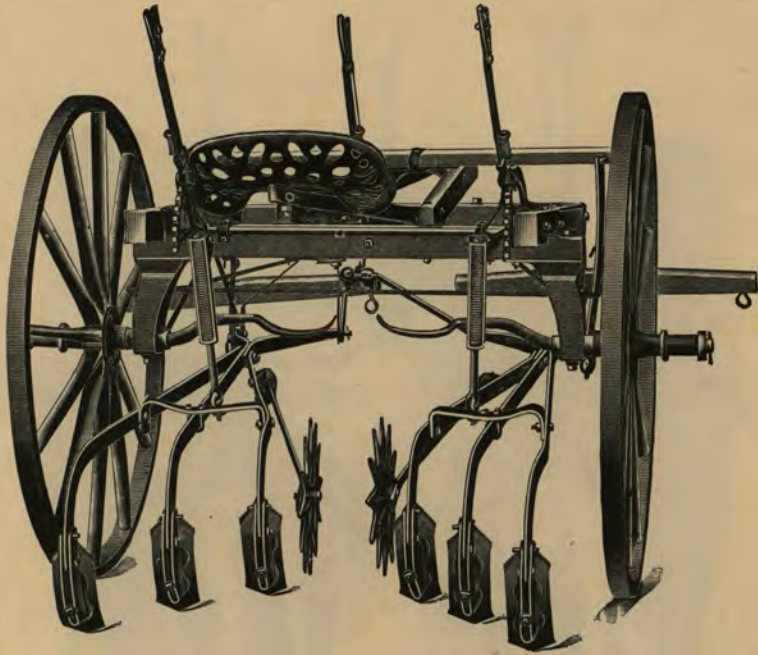
STYLE S.



This Cultivator is made up by using the same style truck as that used in our Style "G," and equipping it with Spring Tooth Gangs. In fact the gangs for each of these machines are interchangeable with the other. It is of an approved design throughout, and is adjustable in all parts, intended for those who plant a variety of crops requiring different cultivation, that it may meet every requirement.

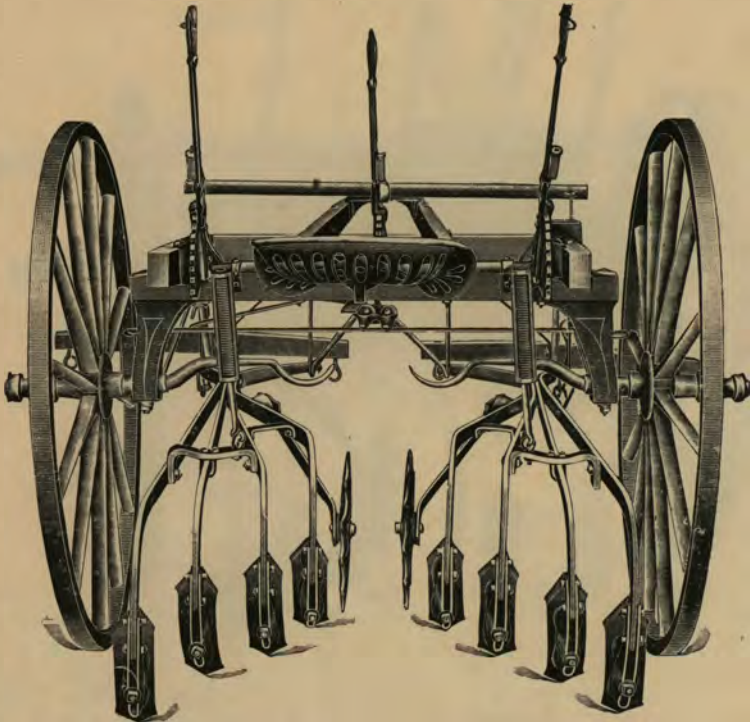
The gauge is adjustable from 33 to 44 inches, making it possible to cultivate rows spaced from 24 to 48 inches without endangering plants in adjoining rows. The gangs are made up from heavy steel bars, and fitted with four oil-tempered Spring Teeth in each. These Teeth can be set to suit the operator for depth or hook, and are equipped with a reversible shovel point. This gang is preferable for destroying surface growth and where deep soil cultivation is not desired. These teeth cut steadily and positively will not skip or throw clods or stones. Hilling shovels are included with Cultivator. Optional: Staggered spoke metal wheels or hickory wood wheels, roller shields or solid shields. Weight of machine, 350 pounds.

Riding Cultivator. STYLE "E."



This Cultivator has been in general use for a sufficient length of time to prove its merits. Valuable improvements have been recently added to the truck, and with the approved design of the gangs makes it a very valuable tool for corn and like cultivation. It is fitted with our latest improved pivoted spindles, split hickory tongue, lever to regulate space between the gangs, levers with spring pressure devices for lowering and raising the gangs, lever to guide if operator walks, etc. The gauge can be regulated with the loose sleeve by placing it either inside the hub of the wheel or on the outside, the changing making the gauge respectfully 56 and 48 inches. Cultivator is fitted with neckyoke, single trees, narrow shovels, and hilling shovels, either roller or solid shields as ordered. Weight, complete, 370 lbs.

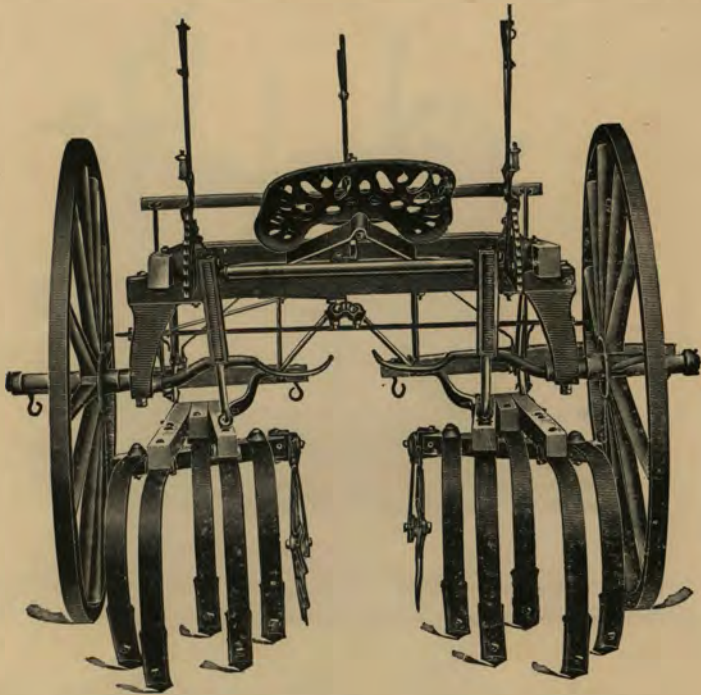
Riding Cultivator STYLE F.



The truck or upper structure of this cultivator is the same as is used in the Style E, the cultivator differing only in the gangs. We use gangs composed of four reversible shovels 3 x 10 inches and they are so spaced that they cut the same width as the three-shovel gangs. The shovels being narrower and closer spaced they do not make large furrows and the soil is not apt to wash.

The cultivator has adjustable gauge 48 to 56 inches and will cultivate rows planted from three to four feet. Hilling shovels, shields, neckyoke, singletree and wrench accompany each machine.

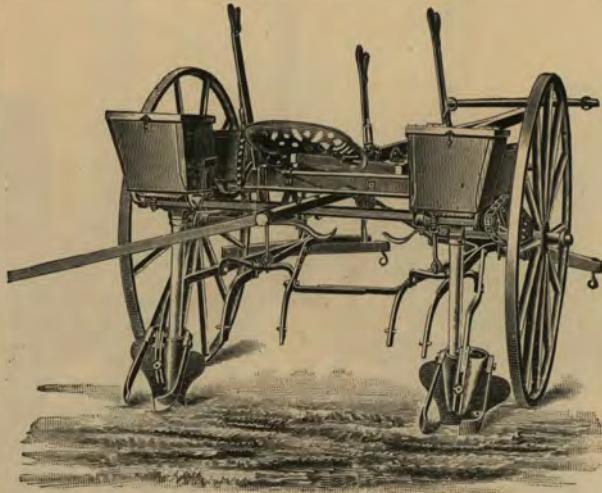
Riding Cultivator STYLE "D."



Our Style "D" Riding Cultivator has same style truck as is used in our Styles "E" and "F," the Cultivator differing only that it has Spring-tooth Gangs. Spring teeth are recognized everywhere as the best pulverizers of the soil, and the arrangement of the teeth in these gangs makes them especially desirable and efficient. They are of correct length and have reversible shovel points which can be replenished at a small cost. These teeth will not skip or jump, but will work steadily in ordinary soil. For destroying surface growth they have no equal. The machine is supplied with extra beams and hilling shovels to hill the rows, shields, neckyoke, etc. Gauge adjustable 48 to 56 inches. Weight, complete, 370 lbs.

Cornplanting Attachment

FOR RIDING CULTIVATORS



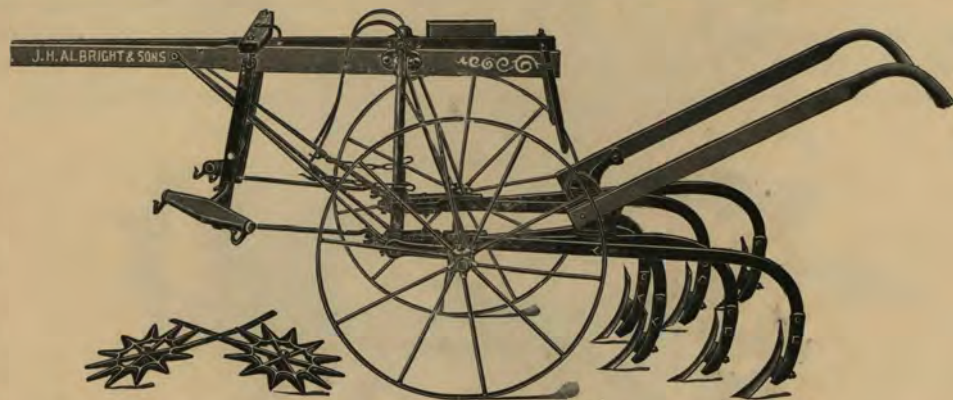
The above illustration shows our Two-Row Cornplanter and Fertilizer Attachment, which can be attached to either our style D, E or F Riding Cultivators.

This attachment has been considerably improved, and is now constructed on the same principles as our Star Corn Planter. The boxes are made of sheet iron instead of wood. It is quickly attached or detached from the cultivator, and the whole constitutes a complete machine for seeding and a complete machine for cultivating in one combination, and it is considerably cheaper than a separate double row planter. It can be set to plant in rows spaced from 28 to 48 inches, and it will plant to any reasonable depth and cover the grains perfectly.

The cornplanter can be used without the fertilizer if desired.

Balance Frame Walking Cultivator

STYLE M. SPRING EQUALIZERS

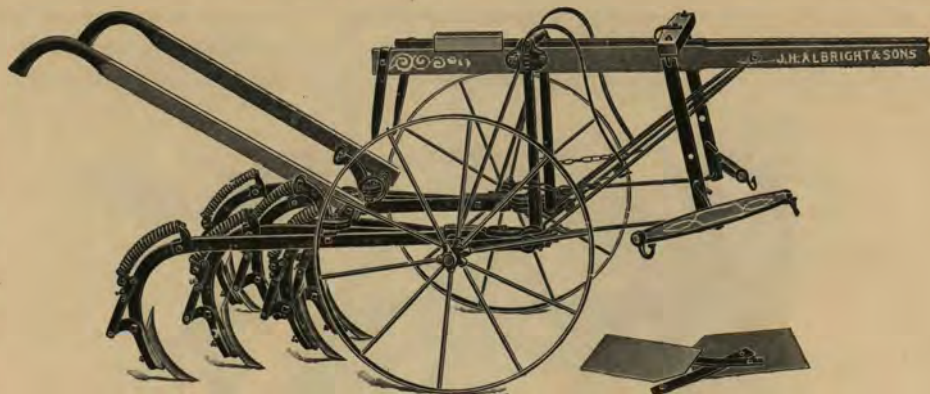


This is the lightest and most economical cultivator in the market. It is equipped with balance frame, spring equalizers, open hickory tongue, adjustable gangs and handles, etc., and makes a very efficient and convenient cultivator. The gangs are made of high carbon steel, and we can furnish them with either three or four shovels in each gang. The gangs have been improved, and they are now coupled in front of the axle instead of behind. This cultivator is furnished with staggered spoke metal wheels, either roller or plate shields, hilling shovels, singletrees, neckyoke and wrench.

The Cultivator weighs 250 pounds.

Balance Frame Walking Cultivator.

SPRING HOES, STYLE M.

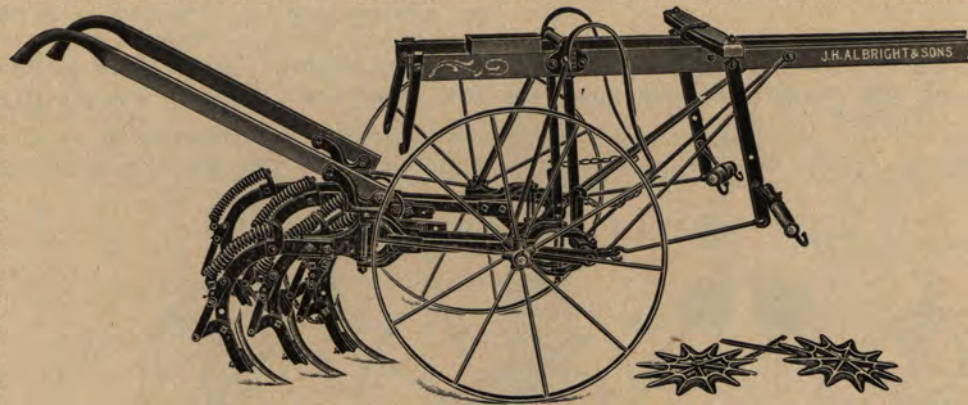


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This cultivator is constructed the same as our pin hoe, style M, with the exception that the gangs are equipped with our spring trip device. The spring hoes are made from malleable castings, and oil-tempered steel springs, and hand fitted and set, and they will not clog with dirt or weeds, and are highly efficient under all conditions.

The frame is made with divided hickory tongue, which is riveted together in front to about one-third its length, and spread open in the rear and securely bolted to the steel arched axle. The cultivator is furnished complete with shields, hilling shovels, singletrees, etc. The wheels are thirty inches in diameter.

Parallel Beam Walking Cultivators.



SPRING BREAK PARALLEL BEAM, STYLE M.

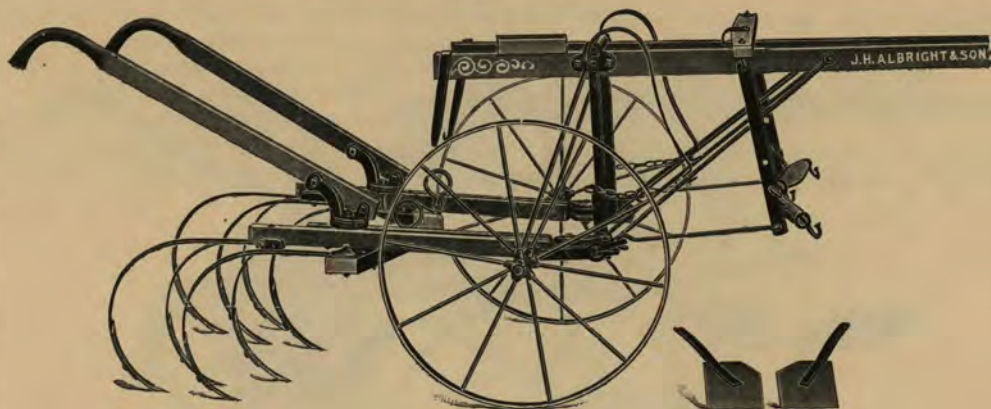
The Albright Parallel Beam Walking Cultivators are also equipped with balance frame device, thereby embodying two modern, valuable features. The frames of these cultivators are constructed the same as our styles M and H.

The gangs are made from high carbon steel, fitted with malleable castings throughout, and equipped with reversible shovels. We can also furnish this cultivator with pin break gangs.

The important advantage of the parallel beam over the swinging beam is, that the shovels are always in perfect alignment with the direction of travel, no matter whether the space between the gangs is wide or narrow.

This cultivator is furnished with full extras.

Spring Tooth, Style H.



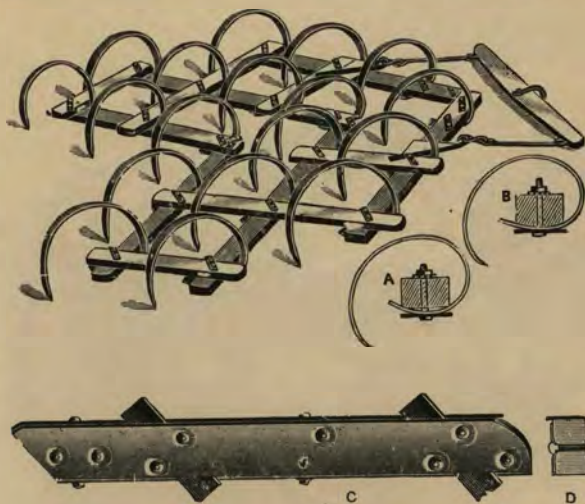
THE STYLE "H" WALKING CULTIVATOR

Is made from the same style truck as our style "M" Cultivator, the only difference being in the gangs. The material and workmanship in this machine is of the very highest standard.

THE GANGS are made from seasoned hard wood with oil-tempered spring teeth having detachable reversible shovels. Each gang contains four teeth, and they cut very steadily and will not throw stones or clods. Each Cultivator is furnished with extra beams and hilling shovels, and all other extras, the same as furnished with style "M."

THE WHEELS are thirty inches diameter, heavy staggered spokes and wide tires. Cultivator weighs 250 pounds

Oak Bar "Perry" Spring Tooth Harrow.



A shows the tooth and bar before the bolts are tightened, when the tooth touches the bar at the edge only; B shows the same after bolts are drawn up tight and the tooth springs, making a constant tension on them, thus avoiding the loosening of nuts and teeth.

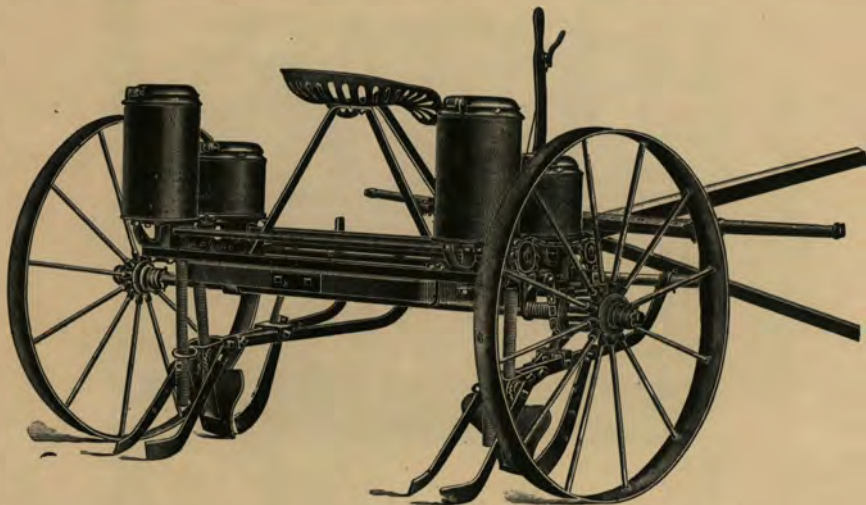
D shows bottom of beam, showing how beams are plated, and how bolts are protected with our improved pressed plates.

C shows sectional view of beam, showing how plates are pressed for the bolt heads and so protect them that the plates wear out before the bolt heads wear off.

The bars in these harrows are made out of selected oak, and they are plated in front and on bottom of tooth bars with one-eight inch steel plates. The teeth are forty-four inches long and weigh five pounds apiece.

This harrow is made in two sizes, namely, sixteen and eighteen teeth.

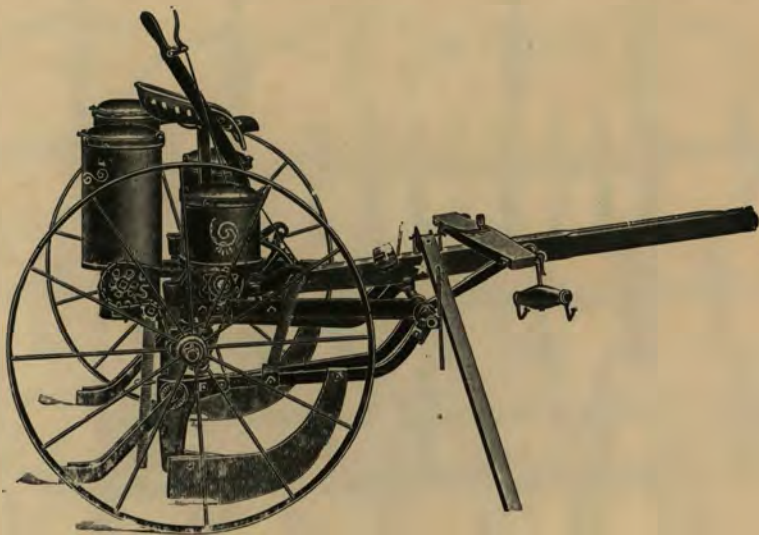
The Star Two-Row Corn Planter



Above and on opposite page we give two views of our Star Two-Row Corn Planter with two different styles of furrow openers. This Planter has been in the market for five years, and it has been thoroughly tested and tried in several States, and it has proven that it meets all the requirements that can be demanded of a corn drill. This Planter is constructed to drill the corn in rows, which experience has proven to be better than two or more kernels in a hill, because the former distributes the seed more equally through the ground, and thus affords it a better supply of nourishment on account of its larger area from which to draw.

The drive is connected with the right-hand wheel only, and the axle does not revolve. It is thrown in and out of gear by lowering and lifting the plows.

Suitable plates and sprockets of various sizes are furnished with the machine to drop a single kernel at 13, 15, 17 or 19 inches apart ; and double hole plates to drop two kernels 26 inches apart, using the smallest sprocket wheel, increasing the distance in proportion to the size sprocket used.



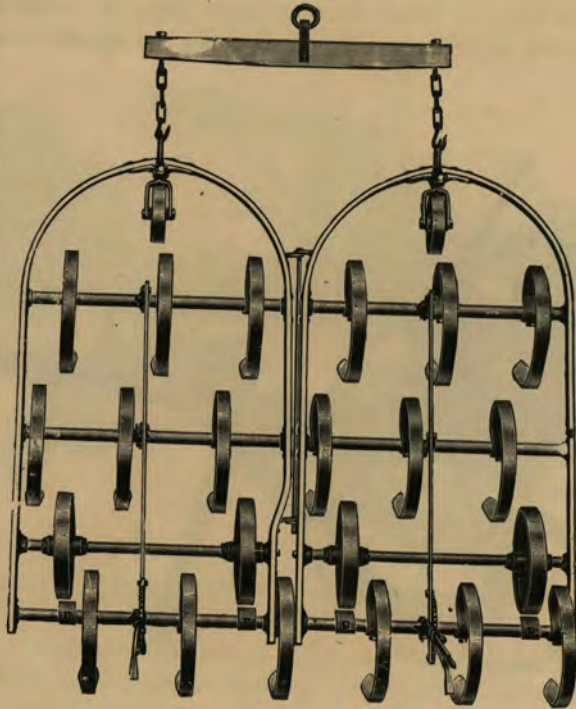
The fertilizer has force feed and will drill all kinds of fertilizer, coarse or fine. The amount to be drilled is regulated by an adjustable gate underneath on right-hand side of boxes.

The planter can be quickly set to plant in rows spaced at 3 feet, 3 feet 3 inches, 3 feet 6 inches or 3 feet 9 inches.

We can furnish either scraper or disc covers.

The machine complete weighs 400 pounds.

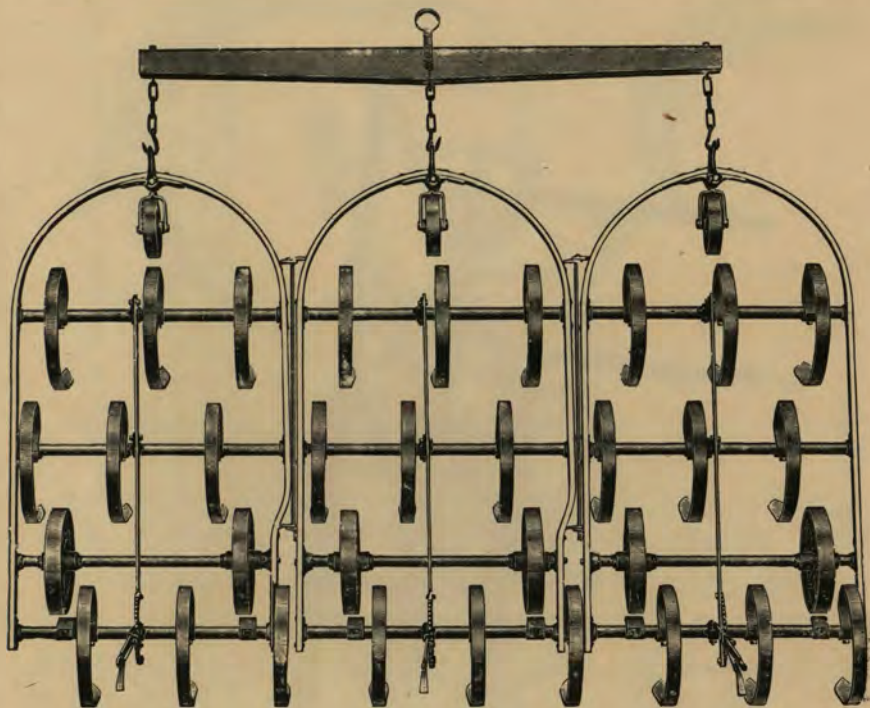
Steel Frame Wheel Lever Harrow



The desirable features of this harrow are that the teeth are all spaced at equal distances apart, the wheels carrying the frame are on a separate bar between the middle and rear tooth bars, and these two arrangements allow the weeds and trash to pass through the harrow without choking it up. Each wheel is provided with scrapers or cleaners to prevent them from gathering ground on the rims and raising the teeth out of the ground.

This harrow is made in two sizes, namely, sixteen and eighteen teeth.

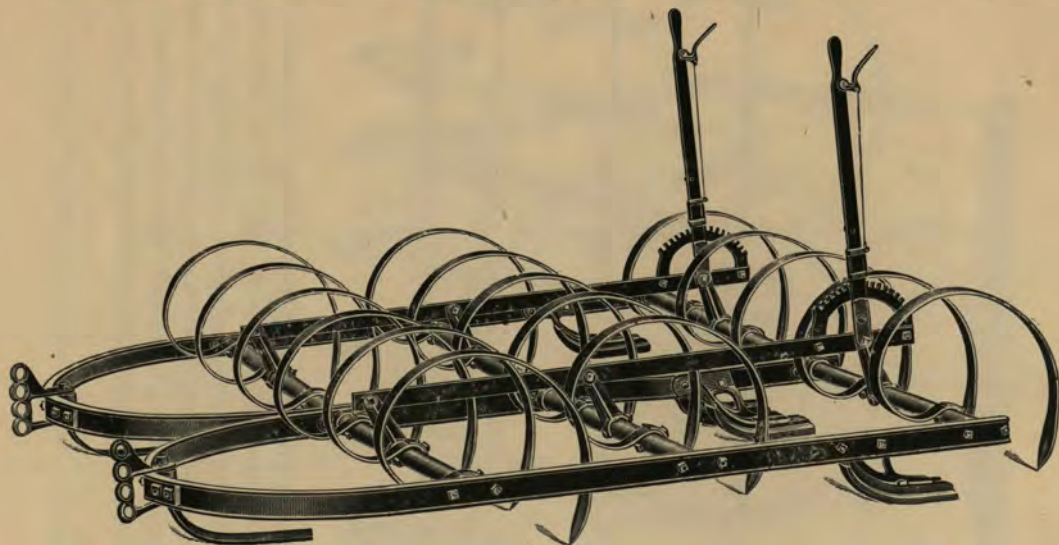
Three Section Harrow



The Three Section Harrow is made by the addition of an extra left-hand section to the regular two section harrow, and we are prepared to furnish them with either wheels or shoes as desired. It can be used with two or three sections, and for this purpose two eveners are supplied. The removal or insertion of the different sections is very simple and requires very little time. The capacity of the three section harrow is from fifteen to twenty acres per day.

This harrow is made in two sizes, namely, twenty-four and twenty-seven teeth.

Steel Frame Shoe Lever Harrow.



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The Shoe Lever Harrow is made up from the same style frame as our Wheel Lever Harrow, and is equipped with shoes or runners instead of wheels. It is constructed from the best materials throughout, and is equipped with full size oil tempered steel teeth. The teeth have slotted holes and are attached to the tooth bars with a bolt and spring washer which firmly secures the teeth and provides adjustment in case new teeth are inserted.

The front shoes are made from steel three inches wide, and the rear shoes have renewable chilled soles and can be replaced at a small cost when worn out.

This harrow is made in the same sizes as the wheel harrow.



The above illustrations show the spring hoe device which we use on our cultivators. This device is very simple and most effective. The spring and connecting bars are placed on the rear edge of the drag bars, which prevents the grass and trash from gathering into the working parts and clogging them up, and finally preventing the release or return of the shovel. On the middle connecting block there is provided a set screw for adjusting the spring. It is very sensitive and requires little motion to adjust it. The farther the set screw is screwed in the easier it will break, and the farther it is out the harder it will break. The spring hoes can be used on styles E and G Cultivators, three shovel style M, also, on hiller beams for style D. Cultivator.

They should be well oiled when the machine is in use

USEFUL INFORMATION

HOW TO MEASURE CORN IN CRIB, HAY IN MOW, POTATOES IN BIN

Two cubic feet of good, sound dry corn in the ear will make a bushel of shelled corn. Hence, to measure corn in a crib or bin, multiply the length by the width and the product by the height, using inside measurements in feet; then divide by 2 and you have the number of bushels of shelled corn.

To find the number of bushels of Apples, Potatoes, etc., in a bin, multiply the length, breadth and thickness in feet together, and this product by 8, and point off one figure for decimals

To find the amount of Hay in a mow, allow 512 cubic feet for a ton, and it will come out generally correct.

HOW TO FIND THE CAPACITY OF ROUND TANKS

Multiply diameter in feet by 3,1416 to find circumferences. Then multiply circumference by one-fourth the diameter, and the product by the depth in feet; then multiply this product by 1728 to secure the number of cubic inches. To find capacity in bushels, divide by 2150.42. To find capacity in gallons, divide by 231.

SIZES OF BOXES FOR DIFFERENT MEASURES

A Box 13 inches square and 12-2-3 inches deep will contain one bushel.

A Box 10 inches square and 10-3-4 inches deep will contain 1-2 bushel within 42-100 cubic inches.

A Box 8 inches square and 4 1-5 inches deep will contain one gallon, or four quarts.

A Box 4 inches square and 4 1-5 inches deep will contain one quart.

NUMBER OF YEARS SEEDS RETAIN THEIR VITALITY

VEGETABLES	YEARS	VEGETABLES	YEARS
Asparagus	2 to 3	Pepper	2 to 3
Beans	2 to 3	Pumpkin	8 to 9
Beets	3 to 4	Peas	5 to 6
Carrots	2 to 3	Raddish	4 to 5
Cauliflower	5 to 6	Rhubarb	3 to 4
Celery	2 to 3	Spinach	3 to 4
Corn on cob	2 to 3	Squash	8 to 9
Cucumber	8 to 9	Tomato	2 to 3
Egg Plant	1 to 2	Turnip	3 to 6
Endive	5 to 6		
Lettuce	3 to 4		
Melon	8 to 9		
Mustard	3 to 4		
Onion	2 to 3		
Parslay	2 to 3		
Parsnip	2 to 3		

HERBS

Anise	3 to 4
Caraway	2
Summer Savory	1 to 2
Sage	2 to 3

INTEREST TABLE

The following will be found convenient in the absence of extended interest tables:

To find the interest on a given sum, for any number of days, at any rate of interest.

At 3 per cent., multiply the principal by the number of days and divide by 120

At 4 " " " " " " " " " " " "	90
At 5 " " " " " " " " " " " "	72
At 6 " " " " " " " " " " " "	60
At 7 " " " " " " " " " " " "	52

