

Eureka

Potato Machinery

POTATO CUTTERS
POTATO PLANTERS
FERTILIZER DISTRIBUTORS
WEEDERS
SPRAYERS
DIGGERS



Manufactured by
EUREKA MOWER CO.
UTICA, N. Y., U. S. A.

A. W. Schoener
WOMELSDORF PA

*Good Equipment Makes a Good Farmer
Better*

Eureka Fertilizer Distributors



Eureka No. 172 Two-Row Fertilizer Distributor
(Weight 500 lbs.)

WITH SCREW CONVEYOR FORCE FEED

The practice of distributing fertilizer before planting the crop, is growing in favor, to obtain a thorough mixture of the fertilizer with the soil. The No. 172 Eureka has force feed of screw conveyor type and will handle commercial fertilizers in various quantities from 300 to 4500 lbs. per acre.

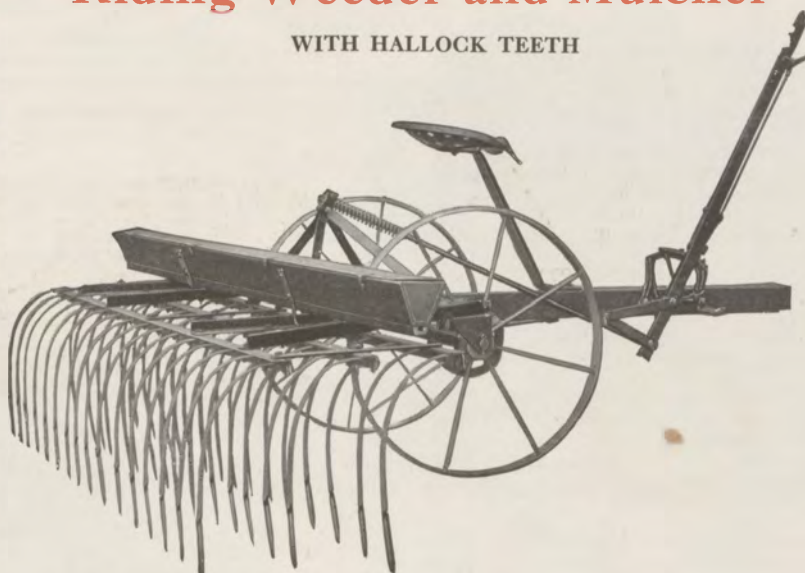
Wheels are 36-inch diameter with 3½-inch tire. Each hopper holds 200 lbs. and has an agitator and cover. Adjustable for rows 28 to 44 inches apart. Furrow openers are set by levers for shallow or deep application.

Fertilizer tubes have liberal adjustments laterally and are fitted with removable spreaders so that fertilizer can be placed as desired over a narrow or wide area. Tubes are close to ground to prevent wind blowing fertilizer. The stirring teeth mix the soil and fertilizer thoroughly, and the rear point leaves mark for planting.

Supplied with long evener and neckyoke, or regular length, when ordered. Pole and marker are regular equipment.

EUREKA Riding Weeder and Mulcher

WITH HALLOCK TEETH



MULCHER
COTTON SCRATCHER
SMOOTHING HARROW
SURFACE CULTIVATOR
WEEDER
SEED SOWER
SEED COVERER

Made in
11 and 12 Ft. Sizes

SOLD WITH or WITHOUT
SEEDING ATTACHMENTS

Easily Operated
by Two Horses

Has long axle. Wheels can be spaced from 36 to 59 inch track
Adjustable long evener and yoke supplied when ordered

A GOOD TOOL FOR POTATO FARMS

The best tool that we have on our potato farm is a Eureka riding weeder. We usually have from 20 to 30 acres of potatoes. As soon as the potatoes are planted the weeder is started and we go over them every five or six days until they are about a foot high; 30 acres a day can be weeded without the driver becoming tired, as there is a good seat on which to ride. By going over the field often with this implement the weeds can be kept under perfect control. I would not for a moment consider the idea of doing without it. There is a seeder attachment to this weeder and I have used it for sowing the clover seed, and at the same time the teeth following harrowed it in. It can also be used as a harrow in preparing seed bed for other crops.

(Signed) C. R. BASHORE

Dust Mulch

The idea of dust mulch is not new, but has been used with great success for a number of years. Farmers are now adopting it very generally, because the results have been very profitable.

During the growing season, and especially in dry periods, a crust forms on the top soil, hardens and cracks and allows the moisture around the roots of the plants to escape, causing a failure or decreased yield of the crop. It is, therefore, important to prevent this crust forming. This is accomplished to the best advantage by the use of the Eureka Mulcher, which forms a blanket of loose soil, prevents baking and hardening, and conserves the moisture.



Good results are being obtained by many farmers each year on oats, wheat, rye, cotton, potatoes, corn, beans, sugar beets, etc.

This illustration suggests a home method of proving our claims. Place powdered sugar on top of loaf sugar; then pour liquid at the base of the

lumps and note that same will ascend only to the tops of the lumps. The powder will remain dry and hold down the moisture. Dust mulch, likewise, holds moisture in the ground.

Surface Cultivation and Weeds

The best method of surface cultivation is to use an implement of sufficient width to cover a large acreage quickly, and of such construction that the entire surface over the rows and between them can be cultivated without injury to crop. The Eureka Weeder and Surface Cultivator properly meets this need. It also kills and prevents the growth of weeds. The weed seeds germinate near the top of the soil, while the crop is deeply rooted. Young weeds can be destroyed, therefore, by the Eureka without injuring the crop. No wheel marks or foot prints remain on the field.

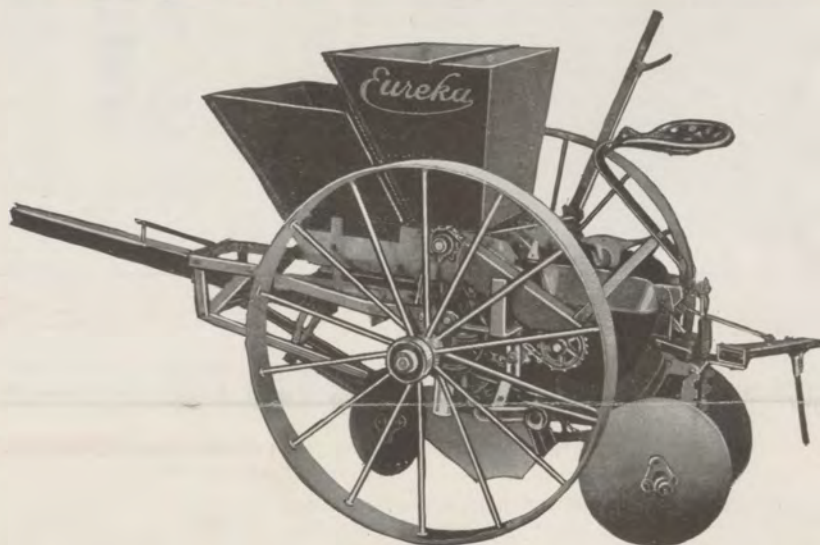
Front The Eureka has truck in front because that is the ideal location.
Truck No wheel marks are left in field to collect and hold water. Dust is not blown in face of driver. More uniform pressure can be applied to entire length of tooth bars and teeth work at more nearly even depth in all conditions.

Teeth The teeth used on the Eureka Riding Mulcher and Weeder are the Hallock style, one inch wide with round points. They are made of high carbon spring steel, oil tempered, and each tooth is tested and guaranteed against defects. If desired to work only between rows, any number of teeth can be quickly removed.

Spring Pressure The teeth are controlled by the lever so as to merely scratch the surface or can be forced into the ground any reasonable depth, where they are assisted in accomplishing proper results by the use of a successful pressure spring.

Eureka

One and Two Row Potato Planters



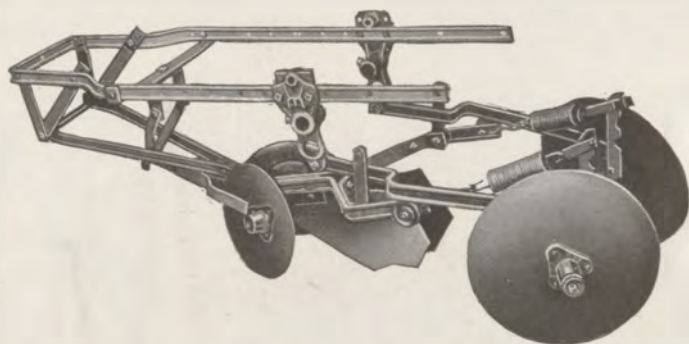
No. 26 Eureka, one-row, two-horse, one-man Potato Planter, with fertilizer attachment. Also sold without fertilizer attachment

Only one lever is required on One-Row Planters, and this is easily operated from seat. This raises the plow and discs above the ground, throws the machine out of gear and raises the marker, saving considerable time.

Accuracy The dropping mechanism of the Eureka is very simple, with a positive movement, and is unusually accurate. Frequent tests have shown it to be more than 95 per cent correct. Many users report 97 to 99 per cent. A planter with this high average satisfies growers and entirely offsets the old time argument made to sell planters which require a driver and an extra man to watch the seed dropper and supply the skips. The Eureka, with one man, will equal, if not surpass, the results obtained from any other style.

Uniform Depth Instead of being some distance ahead of the main axle, our furrow opening plow is placed directly under the axle. It is, therefore, carried in a relative position with the wheels through uneven ground, absolutely insuring planting at an even depth under all conditions. The value of this feature has influenced many growers to purchase the Eureka. The crops come through the ground uniformly and make an even stand for proper cultivation and effective spraying.

Many potato growers have increased their profits each season for many years by using Eureka Two-Row Potato Planters. They find that two rows of potatoes can be planted just as successfully as two rows of corn, and that the crop can be more satisfactorily worked throughout the season by two-row cultivators.



Frame and Gang for Nos. 26 and 28 Eureka Planters

As shown by the illustration, the fertilizer discs (front) make two furrows, leaving a ridge between, and the fertilizer is deposited through two tubes into these furrows. The seed furrow opener then splits the ridge between the two fertilizer furrows and at the same time covers the fertilizer. After the seed is deposited, the covering discs throw additional dirt over the fertilizer and cover the seed.

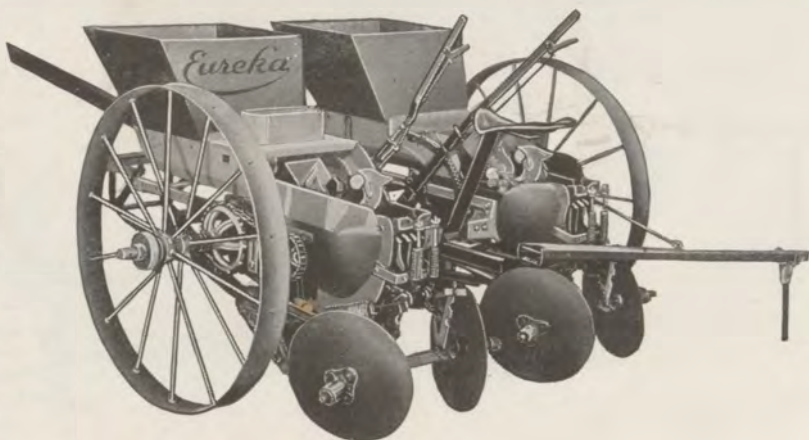
THE EUREKA No. 26 and No. 28 are the latest designed Potato Planters and contain features of unusual merit. They are the result of over 30 years' experience our designers have had with Eureka Planters. They are built for large and small growers. Users are enthusiastic about them and the yields secured.

Frame The main frame is made entirely of steel, and practically all of the operating parts are steel or malleable iron. By avoiding numerous cast iron parts, we secure a strong and dependable machine, obviate delays in the field and lessen the cost of keeping in repair.

Light Draft All users enthuse regarding the light draft of the Eureka. Our No. 26 and No. 28 are equipped with strong steel wheels, 40-inch diameter, with 4-inch tire. These large wheels decrease draft, carry the machines more steadily over rough and uneven fields, and prevent sinking into the soft earth of the fields. Both wheels drive the operating parts.

Side Hills The Eureka has specially designed equipment to assure proper supply of seed when working on hill sides. Users say this is another Eureka achievement.

Easily Operated The driver easily sees the operation of the seed pickers and fertilizer distributor and does not have to guess as to accuracy of the machine. All working parts are in plain view and all adjustments are easily and quickly made. The machine is automatic and requires only one man.



No. 28 Eureka two-row, two-horse, one-man Potato Planter Sold with or without fertilizer attachment

Is thoroughly successful and has a large sale. Is easily drawn by two horses or by tractors. The two sides work independently of each other and adjust to plant two rows of usual widths. The Eureka was the first Two-Row and has been successfully used for 28 years in many countries. It saves horses and men and time.

No. 28 Planters are adjustable for rows either 30, 32, 33, 34, 36, 38 or 40 inches apart.

Eureka Potato Cutter

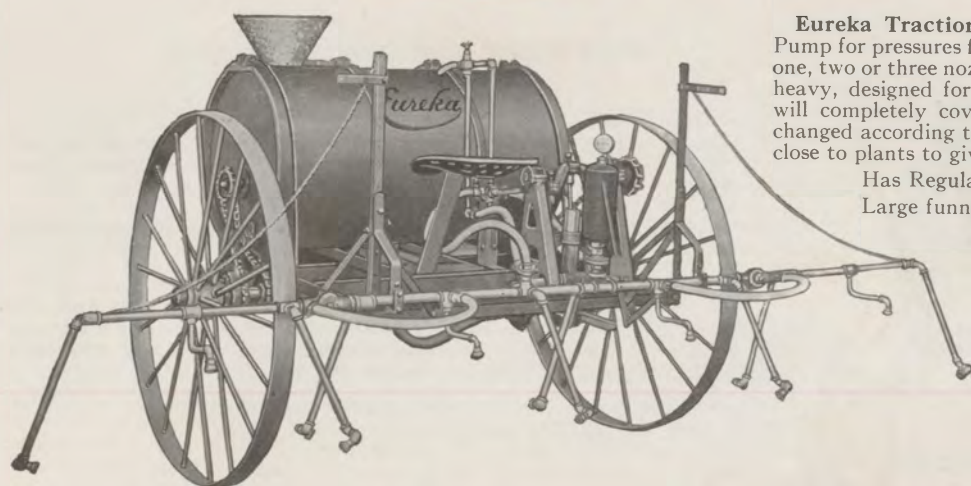
Saves labor and cuts the seed uniformly. Produces size approved by the most successful growers and assists in securing sturdy, vigorous plants. Operated by foot power, leaving both hands free.

A User Says

"I bought one of your Potato Cutters this spring and I will say that it does all you say. It could not be beat. I can cut 70 bushels a day."



Eureka SPRAYERS



**Eureka No. 443 or 143 Traction Sprayer, 3 Nozzles per Row
100 Gallon Tank, Three Cylinders (Triplex) High Pressure
Pump**

Eureka Traction Sprayers can be supplied with either $2\frac{1}{4}$ " or $2\frac{1}{2}$ " Pump for pressures from 200 to 300 lbs. Spray boom can be used for either one, two or three nozzles per row. The pipes are extra large and fittings are heavy, designed for large capacity and unusual adjustment. The spray will completely cover the plants and the angle of nozzle pipes can be changed according to size of plants, so that nozzles will not be located too close to plants to give fine and most effective spray.

Has Regulator to hold pressure at end of rows.

Large funnel with brass strainer with all sprayers.

All Eureka Sprayers have wood tanks made by us from high grade cypress fitted with adjustable steel hoops.

A dasher revolves in tank, thoroughly mixing solution.

Wheels 50 x 3 inches. Both supply traction and operate pump through pawls and ratchets keyed on axle. Adjustable for rows 28 to 36 inches apart. Various styles of boom can be supplied for 4, 6 or more rows.

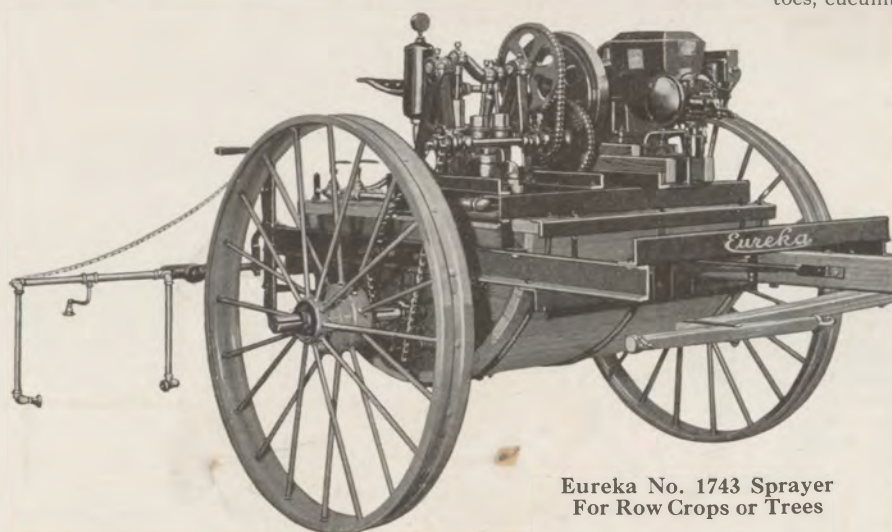
Pumps and other operating parts are close to driver and under his observation. The spray solution travels only a short distance from pump to nozzles.

The use of a Eureka Sprayer is the best kind of crop insurance for potatoes, cucumbers, tomatoes, asparagus, celery, cabbage, etc.

It kills various kinds of insects.

It prevents early and late blight, assures a larger amount of marketable potatoes and prevents rot. It helps control the leaf-hopper and tip burn.

Many experiments with Bordeaux mixture show decided benefits to plants independent of the protection afforded from blight or other fungi. The Bordeaux stimulates the plants and has prolonged the growing season at least two weeks. The gain in one acre alone often has been enough to pay for a Eureka Sprayer.



**Eureka No. 1743 Sprayer
For Row Crops or Trees**

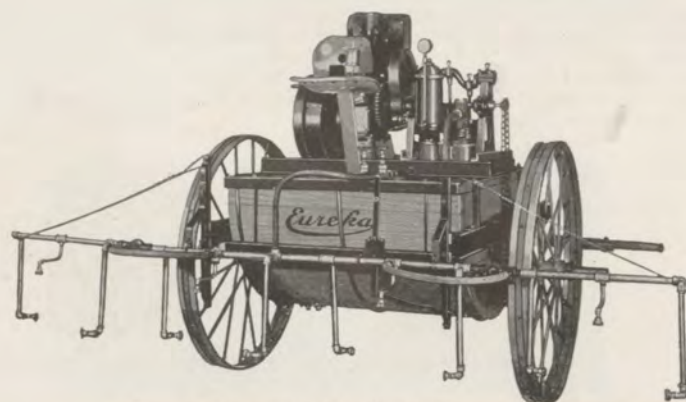
The No. 1743 is equipped with 125 Gal. Cypress Tank, Three $2\frac{1}{2}$ " Cylinder Pump, 3 H.P. Engine. Will develop 300 lbs. pressure with 12 nozzle boom or spray gun. Wheels 54 in., with 5 in. tires. 17 inches clearance under tank. Dependable, sturdy equipment



Eureka No. 943 or 643 Combination Sprayers

Two-in-one Sprayer for Row Crops or Trees. $2\frac{1}{4}$ " or $2\frac{1}{2}$ " Pumps with 2 H.P. or 3 H.P. Engines. 100 gal. Tank. Has made a good record for many years

**No. 6063 Power Take Off Sprayer
Three $2\frac{3}{4}$ " Cylinder Pump. Develops 400 lbs. pressure with 6 row, 18 nozzle boom or 2 spray guns**



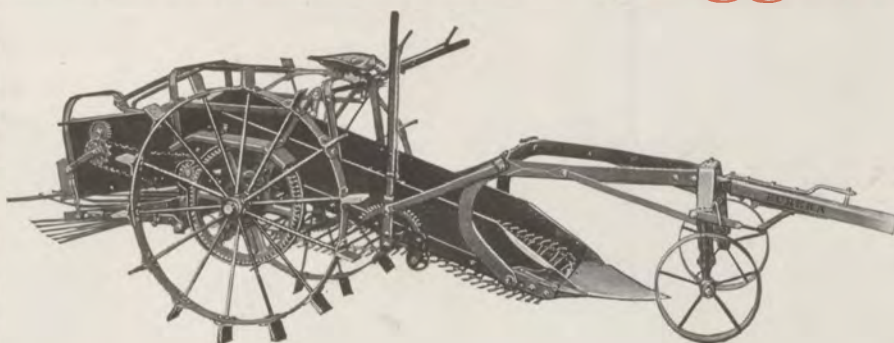
Eureka No. 2043 Low Tank Sprayer

Three $2\frac{3}{4}$ " Cylinder Pump. 150 gal. Tank. 5 H.P. Engine for 400 lbs. pressure with 12 nozzles or 2 spray guns. Wheels 54 in. x 5 in. Also supplied as No. 3063 Sprayer with Two Cylinder Engine for 400 lbs. pressure with 6 row, 18 nozzle boom

Eureka 6 and 7 Foot Potato Diggers



Main Wheels and Drive The main ground wheels on 6 foot Eureka Diggers are 34 inch diameter, 3 inch tire, and on 7 foot Eureka Diggers are 40 inch diameter, 3 inch tire, all with steel hub $8\frac{1}{2}$ inches long, providing unusually efficient bearing for large drive gears and decreasing draft. The gear drive is accepted as the most direct and uniform, and eliminates the adjustments, delays and repairs necessary with other methods. The track of wheels from outside to outside is $39\frac{1}{4}$ inches for 22 inch style and $41\frac{1}{4}$ inches for 24 inch style Digger.



Eureka Digger, 6 ft. or 7 ft. Sizes with Rear Shaker and Vine Separator
Designed for heavy conditions. Operated by horses or tractors

Capacity Note the unusual space between draw beams and clearance over shovel. The Eureka Digger has large capacity and ample power for proper separation in heavy or light conditions. The frame is 22 or 24 inches wide. Large ground wheels and main gears by direct and uniform drive on each side of the machine, supply an unusual amount of traction and power. The agitating idlers operate promptly and easily, because they are specially machined and fitted. Many growers state the Eureka will dig 50 per cent greater acreage than other machines in the same time because its larger capacity obviates frequent slowing down or stopping.

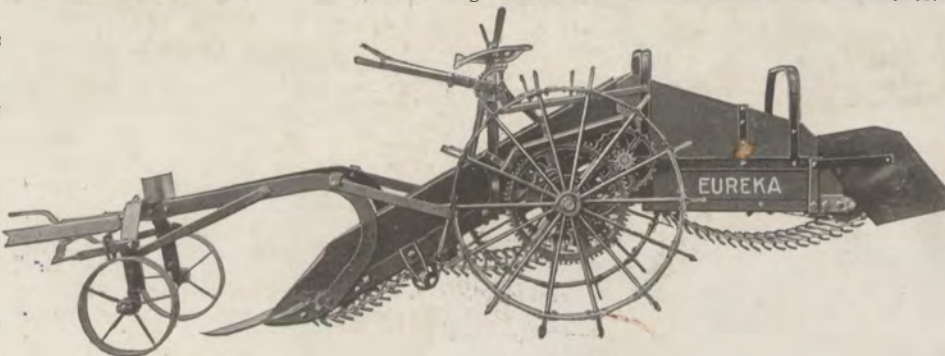
Long Life Malleable iron and steel are largely used throughout the machine, making neat and strong construction, increasing

the usual length of digger life and reducing delays in the field and repair cost to a minimum. There are no complicated parts. Each part is warranted to give proper service. This guarantee is based upon the result of over thirty years' Potato Digger experience.

Front Truck The pivotal action of the front wheels permits a very short turn and the connections with the pole and frame provide for a liberal movement in all directions. The machine can be backed if desired. Truck wheels are 16 inches in diameter, with $2\frac{1}{2}$ inch tires, and the track from outside to outside is $37\frac{1}{2}$ inches. The clearance under the center of truck arch is 22 inches.

The Roller Type of Front Truck can be supplied for all styles Eureka Diggers, if desired.

Tractor Hitch and Power Take-off will be supplied, when ordered.



Works in Conditions Where Other Diggers Fail

The digging out here has been very bad this year owing to the wet weather and the weed condition of the potato field. Most of the farmers have had to resort to the old potato plows.

The Eureka is practically the only elevator digger that would work here this season.

W. A. FRENCH

With Rear Extension Elevator. Supplied with either 6 ft. or 7 ft. Diggers, 22 or 24 inch width. Style Numbers 50, 80 and 480

General Construction

The same parts for the main frame, elevator, wheels and truck described in this folder are used on the Digger illustrated above, with the rear extension elevator. The only change is in the rear end.

Rear Extension Elevator

This is supplied on the No. 50 and 80 series of Eureka Diggers, when same is preferred to the Rear Shaker. The rods are the same construction used in the main

elevator and oblong agitators are furnished to provide proper separation. The lever at the seat regulates the angle of the extension, as may be required for rapid or slow separation.

24 Inch Width

If desired Diggers can be supplied in 24 inch width in Rear Extension style and Rear Shaker style.

Engine Style

All sizes and styles can be supplied to operate with engine mounted on frame.