

ACME

HARVESTING MACHINES
(and) HAY TOOLS





CLAREMONT, MINN.



BRENNER, KANSAS



GEORGETOWN, MINN.

Some
Farmers who made
their Harvest Certain



OSWEGO, ILLINOIS



ACME HARVESTING MACHINES

Supplying the Demand
for



PAOLA, KANSAS



HILLSBORO, KANSAS



TURON, KANSAS



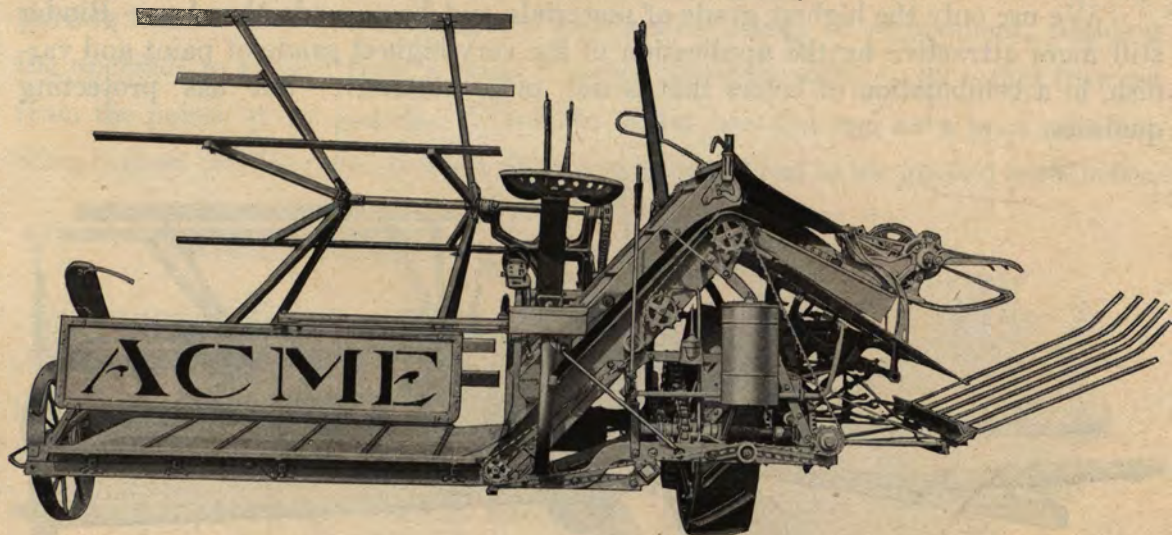
One of the special trains arranged to carry Acme machines to the harvest field

Acme Binders

FIFTY-THREE years ago the Acme line had its beginning. We are pleased to announce that in the line of steady advance we have developed a new grain binder. The Acme Binder is not an experimental machine. We have retained all the best points of the Queen Binder and have added many new features of extraordinary merit. It has had a very thorough test during the past three seasons. During three harvests our own shop men have driven this binder from May until September under every known condition of grain and soil found from Texas to Canada and last season a few thousand were sold and all gave perfect satisfaction.

We have not put the burden and expense of trying out this new machine on our farmer friends, but have tested it thoroughly at our own expense before placing it on the market. We, therefore, submit this machine to the public with perfect confidence in its ability to handle the most difficult crops to the entire satisfaction of farmers everywhere.

The machine is strong and durable. It is light in draft. It will cut and bind grain where some other makes often fail. It is a beautiful machine in outline and finish. In other words, it is the **PERFECT BINDER**.



ACME HARVESTING MACHINE COMPANY

(INCORPORATED)

PEORIA, ILLINOIS

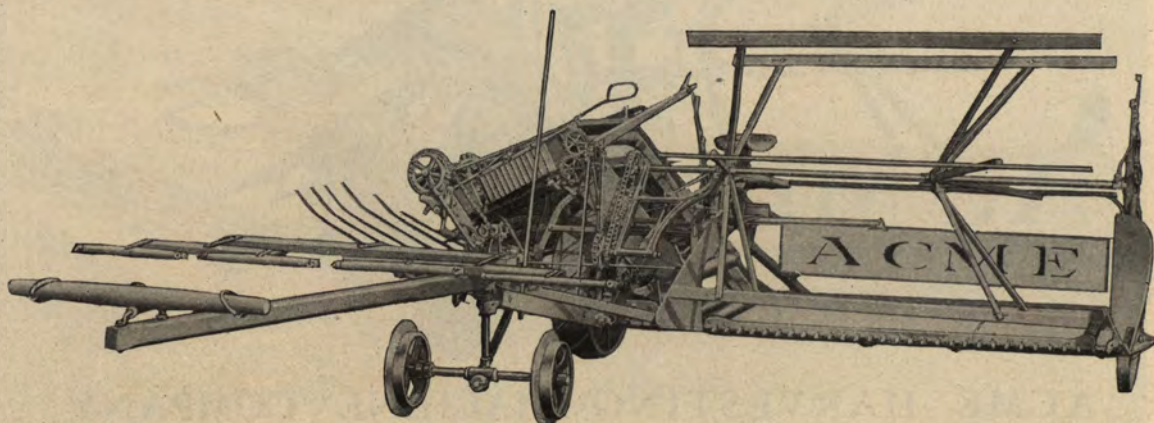
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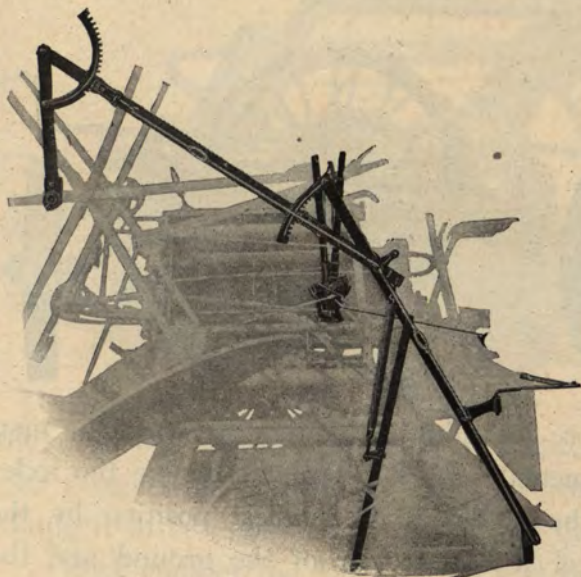
In the construction of the Acme Binder, it has been our aim to avoid complications, having learned, from long experience in the building of harvesting machinery, that the less number of parts and the more simple a machine is built, the less friction there is and the less chance for the operator to misunderstand the purpose of some complicated attachment.

The Acme Binder will handle successfully the heaviest grain that grows and will save shorter grain than most others. Many features of merit are embodied therein, among the number being, an all steel butt adjuster; light, simple and effective binding attachment, with stop packers; a cord holder that feeds the twine to the knotter hook automatically; three packers; three discharge arms; twenty-five starting points for needle, stationary twine knife; self-acting twine tension; folding dividers; graduated platform canvas tightener, and a perfect reel.

We use only the highest grade of materials and have made the Acme Binder still more attractive by the application of the very highest grade of paint and varnish, in a combination of colors that is not only attractive, but has protecting qualities.



Front view of Acme Wide Cut Binder



Outer Reel Support

(For Wide Cut Binders)

The outer reel support on the Acme Wide Cut Binder is adjustable; it holds the reel rigidly in position, avoiding friction and breakages. The adjustments are made by rods connected to the usual adjusting levers. No extra levers are necessary.

Reel

The reel on all Acme Binders is light and strong, and is mounted on a supporting frame that is extra strong and with a wide range of adjustment, enabling the operator to raise it from a point 2 inches above the sickle to 30 inches forward from the points of the guards. When the cutter bar and reel have been raised to their highest position, the distance from lower side of reel to the ground is 43 inches.

Bundle Carrier

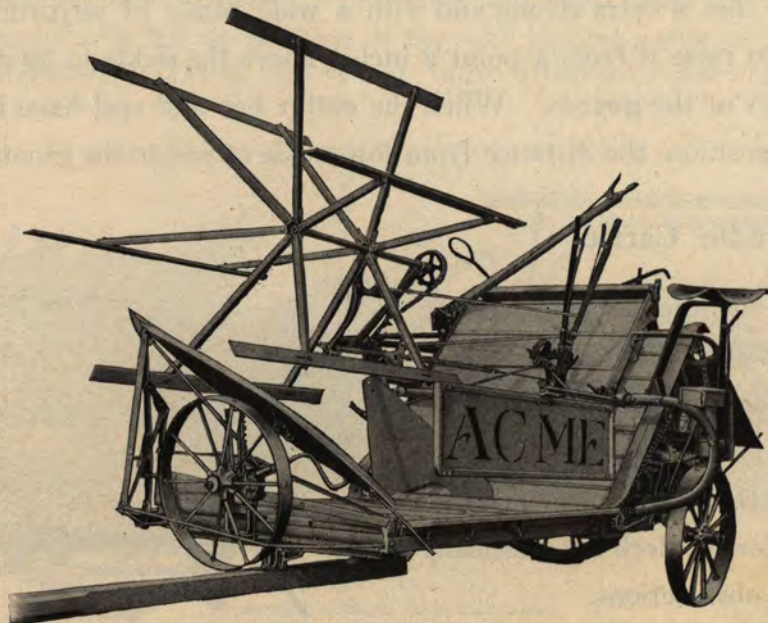
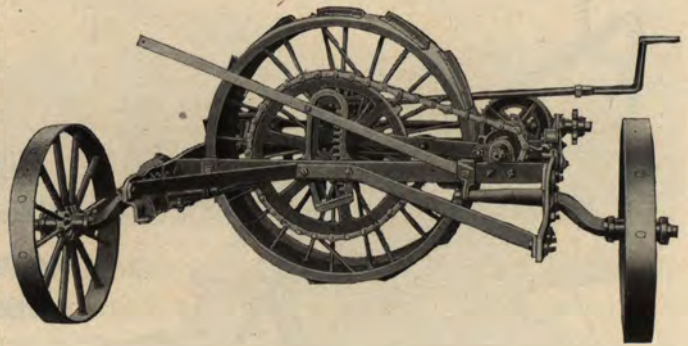
The Acme bundle carrier is strong, simple and easily operated by a foot lever located convenient to the driver. It has a great capacity. The fingers are made of tempered crucible steel. They fold under the deck automatically when passing obstructions.



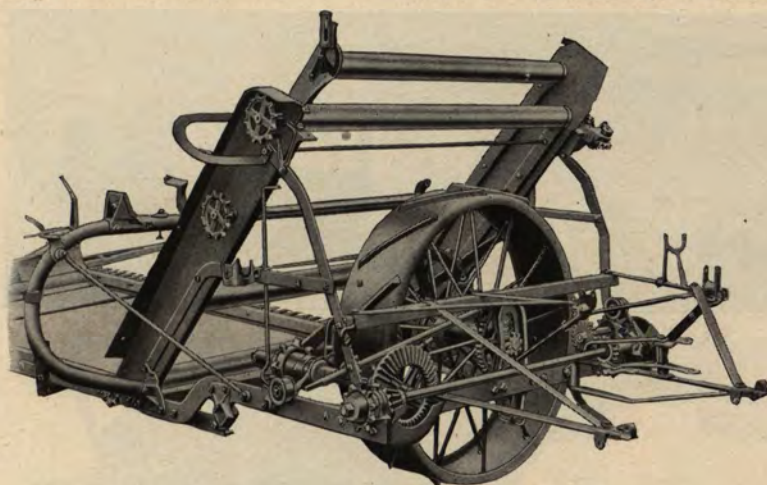
Transport Truck

The Acme transport truck is a simple and convenient attachment. It enables the machine to be hauled over bridges, through narrow lanes and gates and over rough roads, while in adjustment for cutting, without racking or jarring loose any

of the parts. There are no bolts or loose fastenings to bother with. One man can attach it to the binder in a few moments' time by simply slipping the axles into the sockets, after having elevated the binder to its highest position by the raising device, after which the main wheel is raised clear of the ground and the tongue attached to the outer end of the platform by a spring catch, without the necessity of detaching the grain wheel.



Acme Binder mounted on Transport



Main Wheel and Frame

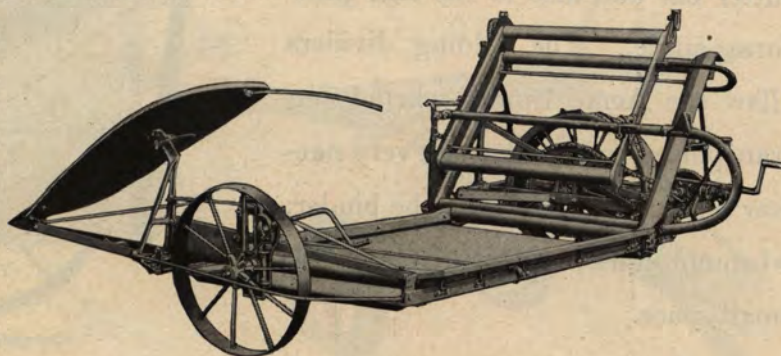
The main wheel is exceptionally strong, with a wide face and a flanged tire. It is fitted with anti-friction roller bearings. The main frame is substantial in design and is strengthened by

the girts, which are riveted to it by a special hydraulic press. It is hung on pinions attached to the main axle and which work in the toothed sector hangers, enabling it to be easily raised or lowered by the worm and gear device.

Both ends of the countershaft and the rear end of the crank shaft are fitted with roller bearings. There is also a simple adjustment in the form of a screw threaded plug in the end of the countershaft to take up the wear in the gears.

Platform and Elevator Structure

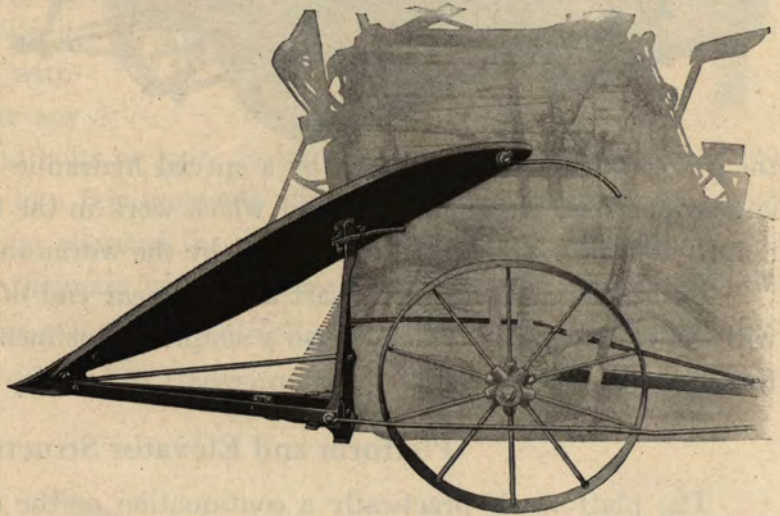
The platform is practically a continuation of the main frame, to which it is attached by strong malleable iron brackets. It is formed of a rigid steel "Z" shaped finger bar and angle steel rear sill, and is amply braced by four steel angles and the divider truss. The bottom is made of special patent leveled steel. The elevators are open at the rear and will handle the longest grain that grows. The steel elevator frame sides are held in perfect alignment by spacing stay rods. The canvases are driven by the top rollers, leaving the tight side next to the grain, making the elevation certain.



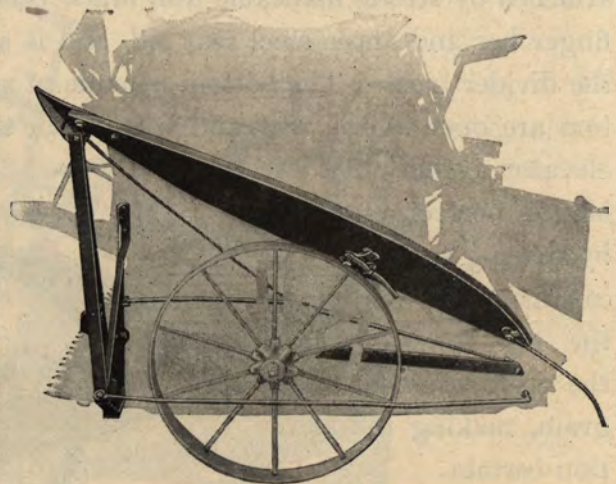


Dividers

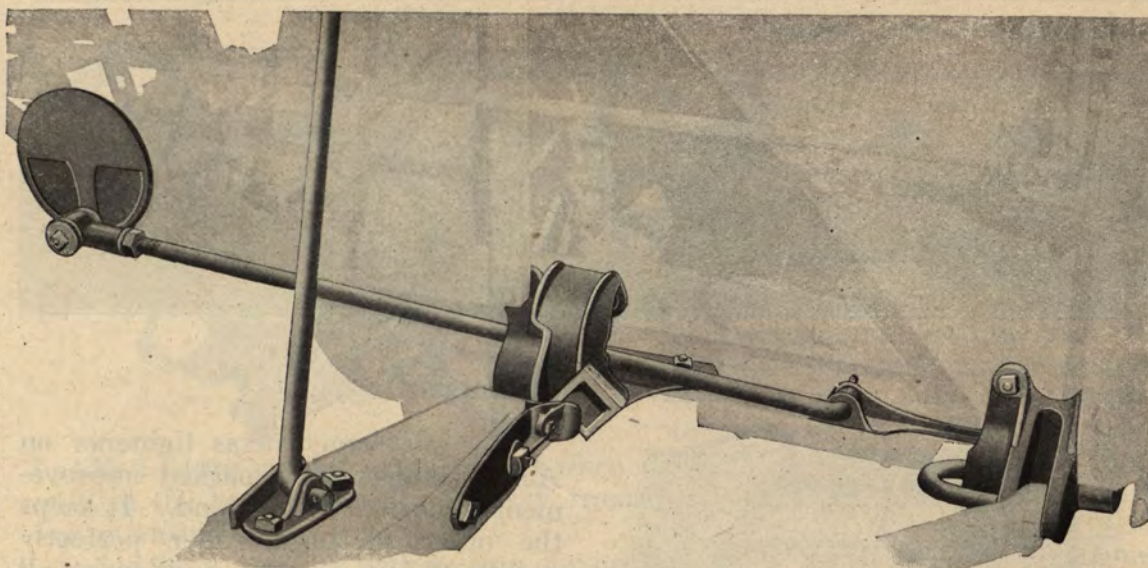
Both the outside and inside dividers can be quickly folded to clear any protruding parts, being unlocked by a simple hand latch device, which requires no wrench. Owing to the satisfactory method of bracing, they are exceptionally rigid when in position. The outside divider is connected to the cutter bar and also to the rear platform angle. The folding dividers allow the Acme Binder when being transported to pass through very narrow openings, and enable the binder, when not in use, to be stored in a very small space.



Outside divider open



Outside divider folded



Method of attaching pitman to sickle, tongue to binder and tilting rod to tongue

Pitman, Tongue and Tilt Rod Connections

The method of attaching the tongue is simple in arrangement and easy of access. In order to detach the tongue, it is only necessary to raise the latch and remove the pin from the pole and to release the "U" bolt, which is held in position in the tongue brace by a steel coil spring.

The tilt rod is attached to the tongue and held in position by a latch, without bolts or cotter pins, and is easily attached or removed without the use of a wrench or other tools.

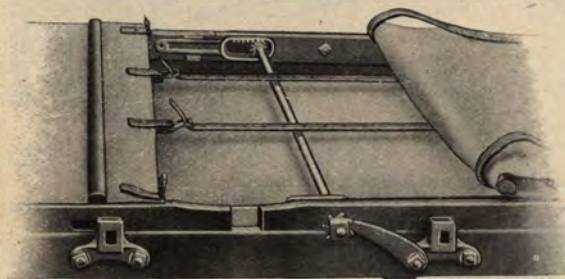
Tongue Truck

The tongue truck which is supplied with all Acme Wide Cut Binders, and which will be furnished for other sizes at a slight additional cost when ordered, is of a special, neat and substantial design. The bearings are dust proof and self oiling. The equalizer can be arranged to accommodate three or four horses. A steel evener clip is attached to the under side of the pole for convenience in transporting the binder, when but two horses are necessary.





Canvas Tightener

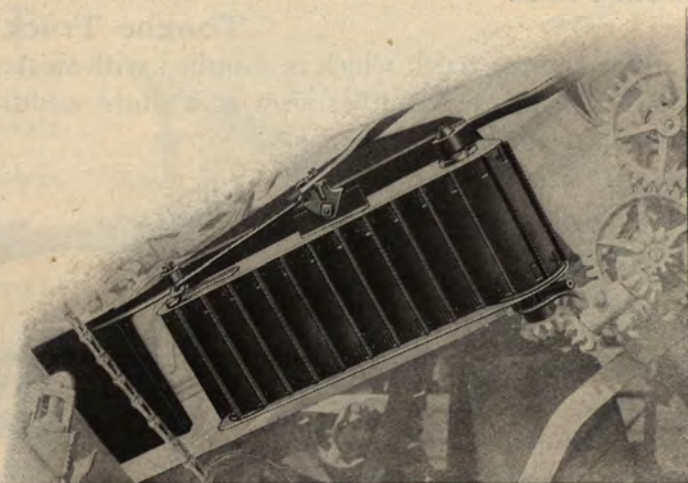


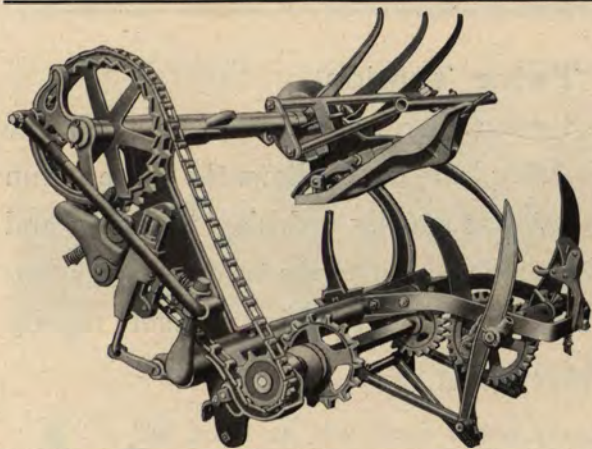
Canvas tightener with graduated adjustment

The platform canvas tightener on Acme Binders is a marked improvement in devices of this kind. It keeps the outer platform roller perfectly square and in positive position at all times. The arrangement of rack and gears provides a graduated adjustment of $1\frac{1}{2}$ inches. Other tighteners only allow one length of take-up.

Butt Adjuster

The revolving, endless, all steel butt adjuster on the Acme Binder will outlast many canvas, or washboard types and, as can readily be seen, it costs more to build, without costing the purchaser more. It can be adjusted by the operator so that it will work within 8 inches of the needle without kicking short grain over the deck, causing loss. It brings forward and evens up the butts of long and short grain. The steel web is securely riveted to malleable iron links, which run on blunt sprockets at each end. A strong spiral spring, located between the webs, keeps them tightened automatically.





Binding Mechanism

The binding mechanism on the Acme Binder is unlike any other. Owing to its remarkable simplicity, we are able to give it a slight increase of speed, when the binding operation is going on, thus increasing the capacity about 25%. It has three packers, enabling it to pack a bundle of heavy grain in less time than other binders. The third packer separates the grain at the butts and, therefore, there is no chance for the bound

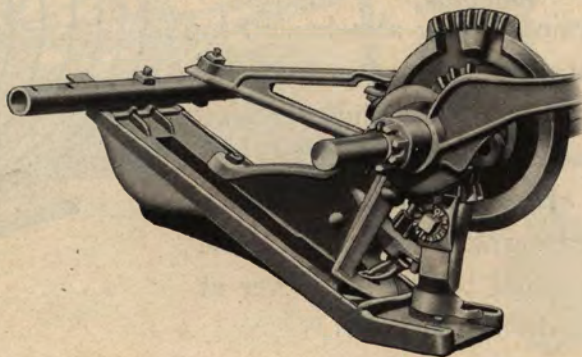
bundle to drag tangled grain after it when discharged; and as this packer works only in the butts and entirely away from the heads, there is positively no threshing or waste of grain.

Owing to the fact that we stop our packers while the bundle is being bound, we provide more power at a critical moment and this power thus saved is transmitted to the needle shaft, preventing the extra strain and shock on the binding mechanism, which occurs when the packers run continuously. By this arrangement, we are enabled to give our packers twice the length of movement of others and to reach up close to the elevators and by the first stroke, when started again, to bring down all of the accumulated grain. It also makes it possible to harvest grain on much softer soil than with any other binder.

The ratchet sprocket wheel has twenty-five notches and revolves continuously. The instant the trip arm yields to the pressure of the full sized bundle, the needle starts, the packers stop and the knot is tied, without waiting for a full revolution. The compressor, also, has a pawl and ratchet device by which it is made rigid and the bundle given an extra compression at the moment of tying.

Knotter

The knotter on the Acme Binder is without an equal for simplicity and perfect operation. During the formation of the knot, the cord holder carries the twine toward the knotter bill, thus reducing to a minimum the strain upon the twine. After the knot is completed, the twine is released by the cord holder and only the needle strand cut, which saves wear on the knife and does not leave a fag end to clog the parts. The knot is pulled directly off the knotter bill by the stripper, and not indirectly by the discharge of the bundle, which frequently breaks the band.



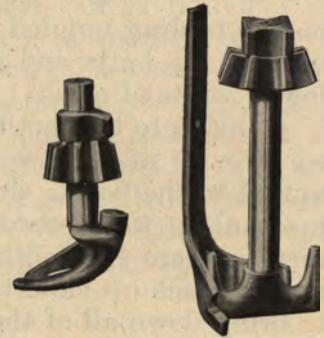


Twine Tension

The Acme twine tension places the tension on the twine only when the bundle is being bound. It allows the twine to run freely at all other times, thus greatly reducing the wear and preventing kinking, also the breaking of the twine. Other tensions operate uniformly at all times; hence wear out more rapidly and cause breakage of twine.

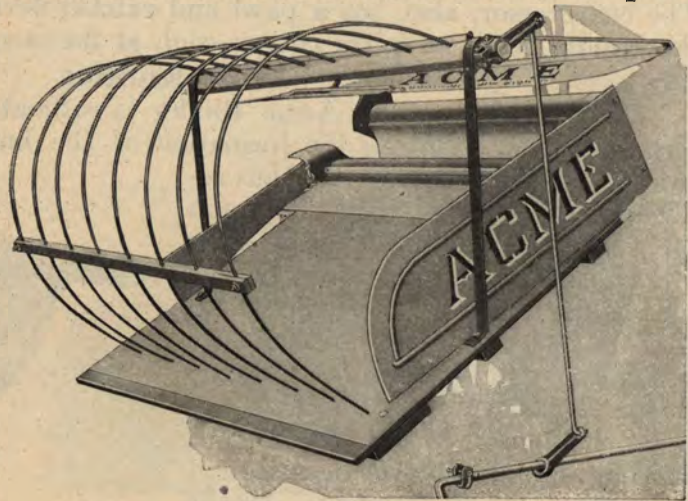
Knotter Hook and Cord Holder

The Acme knotter hook and cord holder are without equal. The moving part of the cord holder is a drop forging and is operated by a single pinion, instead of a complicated pawl and ratchet, or worm and gear device. But one cord is held between the cord holder and shoe, while others hold two.



Acme Flax Attachment

The Acme flax attachment was designed with a view to simplicity, ease of operation and a minimum number of parts. It can be attached to the Binder in a few moments' time by simply removing the grain binding attachment, by substituting the flax deck for the grain deck, and attaching the flax basket. The trip rod is attached to the bundle carrier crank, enabling it to be operated by the foot lever at the driver's seat.

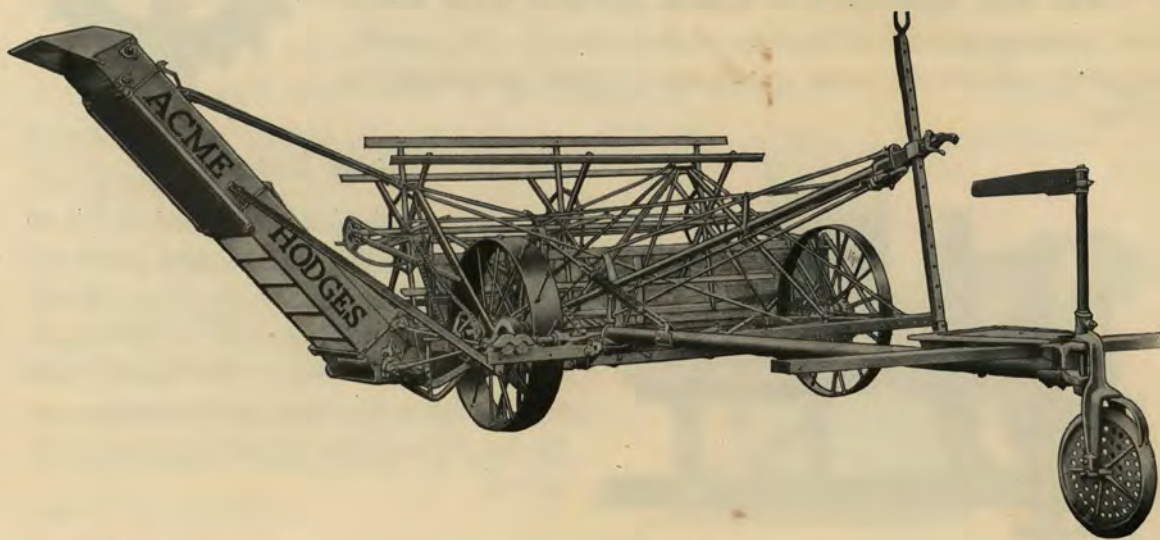


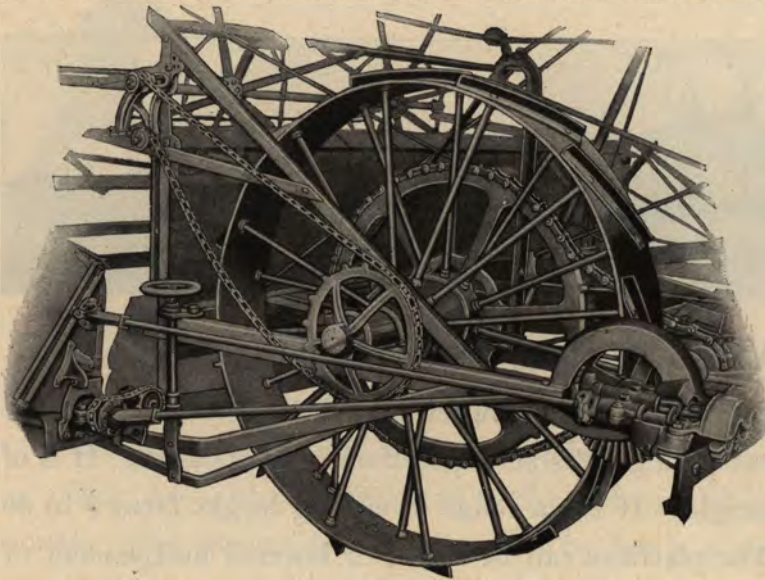


Acme Hodges Header

AS far back as the time when Grain Binders were little known, the Acme Hodges Header was giving satisfaction on thousands of farms. It is of the chain drive principle. It has a range of cutting height from 3 to 33 inches above the ground. The platform can be raised or lowered independent of the main frame, enabling the operator to run it on a low cut without plowing into the ground. The tongue, or push pole, also the tilting lever, are both made of hollow steel tubing, and neither of these important parts can warp, twist or get out of line.

The tongue brace is a steel pipe attached to the frame where the frame braces meet, and the power is so applied that there is no side draft.





Main Wheel

The main drive wheel is designed to withstand extraordinary strains, and to transmit power satisfactorily to the operative parts. The main driving sprocket is substantially attached by six $\frac{1}{2}$ inch bolts.

Reel

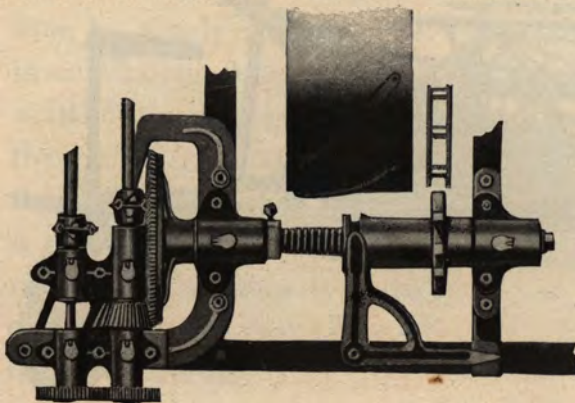
The reel is driven by a friction sprocket with two diameters, providing a quick change of speed when desired, and owing to the method of attaching the sprocket to the reel shaft, it will slip when the reel slats strike obstructions, thus avoiding breakage.

The chain tightener is so located and so securely bolted that it cannot get out of the line of chain travel. It is easily adjusted and the sectional spools are of great advantage in oiling.

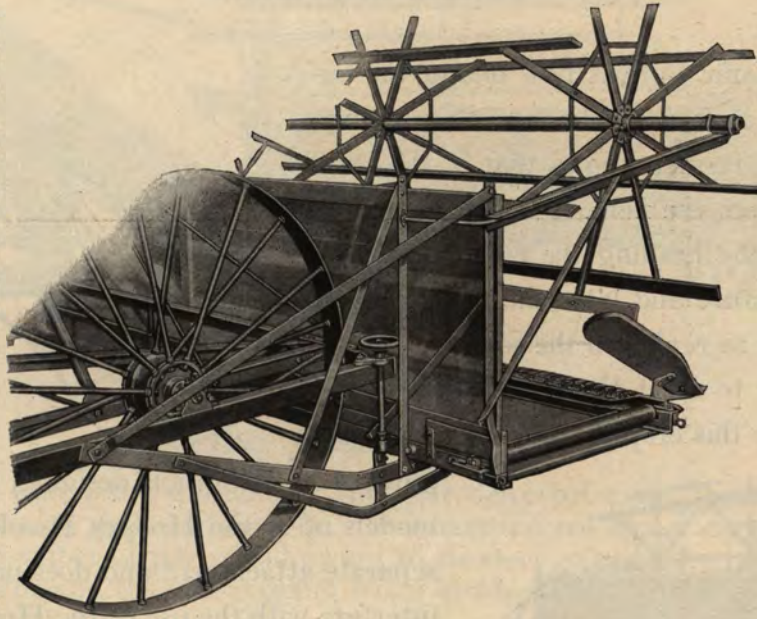


Gear Device

The gear device is compact and is so designed that the extra strong gears are held in perfect alignment, thus affording great durability with a minimum amount of friction. The shafts are fitted with roller and ball bearings, reducing the amount of driving power required.



Platform and Main Frame

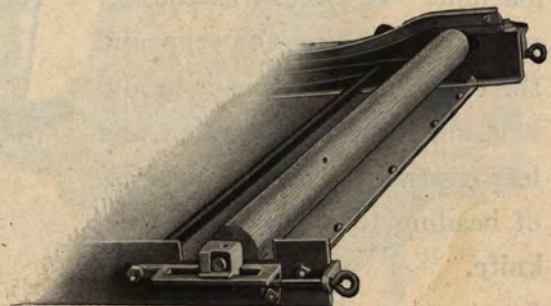


The platform is constructed entirely of steel and is held in positive alignment by extra heavy steel trussed supports. A simple and convenient arrangement in the form of hand wheels and screw threaded rods affords a quick and effective method of raising and lowering the platform independent of the tilting lever.

The frame is constructed in the form of a quadrangle, made of special steel, and is securely bolted at each corner and doubly reinforced by iron plates and corner brackets.

Canvas Tightener

A quick method to take up the stretch in the platform canvas, without the bother of unbuckling the straps, is provided by an ingenious arrangement on the outer end of the platform.

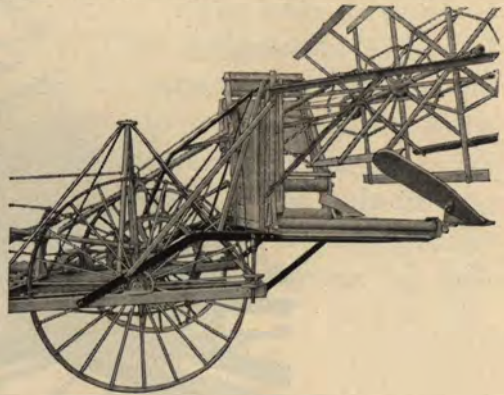


Acme Kaffir Corn Attachment

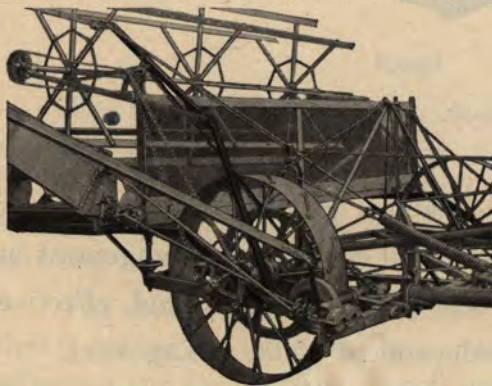
For Acme Hodges Header

While Kaffir Corn is now one of the extensive crops, in many sections of the country, the observing farmer knows that if the stalk is removed from the field, it is detrimental to the land, but by heading the crop the forage is left for pasture and later the stalks can be plowed under to replenish the soil.

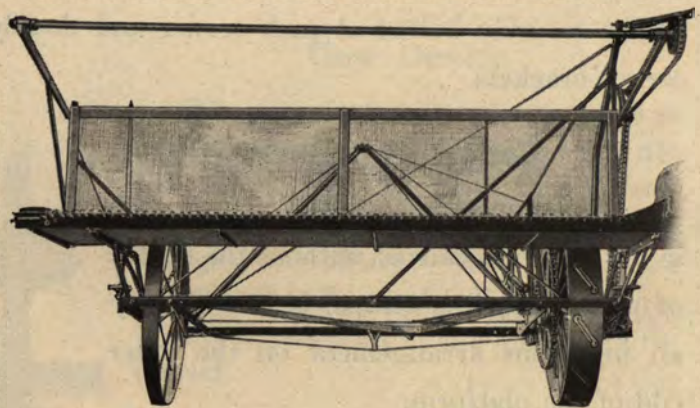
In order to meet the demand for a device to handle this crop satisfactorily, we pre-

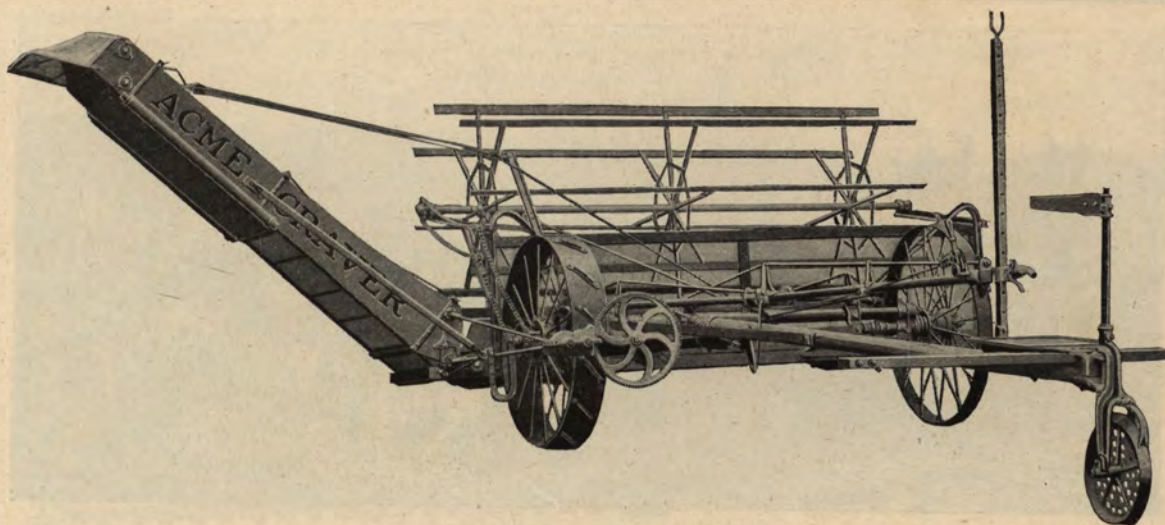


sent a new invention designed to fit our late models of Acme Hodges Headers, which is a separate attachment and does not, in any way, interfere with the use of the Header for grain. It is very simple and easily adjusted. It provides a range of cutting height from 33 to 54 inches, which is sufficient to harvest the corn in any of its varying conditions, without handling any of the undesirable portion of the stalk.



The use of this attachment saves the expense of a separate machine. It also saves the expense of shocking the crop and the expense of hauling it in and it is much more convenient and less expensive than the practice of heading the crop with a corn knife.





Acme Craver Header

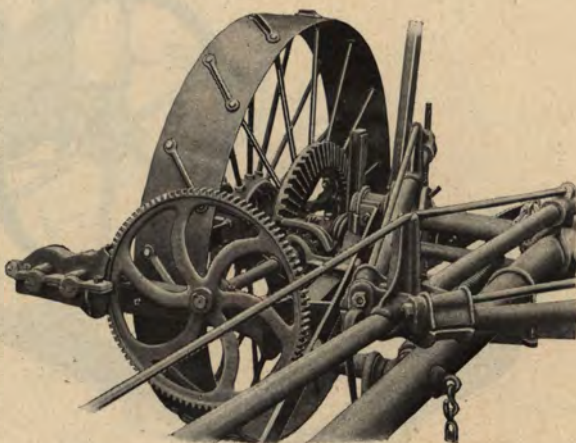
FOR those who desire a header of the gear drive principle, the Acme Craver will be found most satisfactory. It is constructed along simple lines, with a small number of parts, and owing to its steel construction, the long bearings for its shafts, and the self-aligning boxes in which they run, it is exceptionally strong and light of draft.

The platform is connected to the main frame and adjusted by the tilting lever, which is pivoted over the axle. The driving gear is simple, having only the cutter bar and three canvases to operate. There is nothing about the Craver Header that cannot be easily understood, and nothing complicated to get out of order and cause trouble.

Gearing

The gearing on the Acme Craver has always given the best of satisfaction, and this method of transmitting power from the traction wheel is in great favor by a large percentage of our trade. The gear frame is exceptionally strong and is so firmly secured to the main frame that the gears are always held in perfect alignment.

The main bevel gear and pinion are held in proper mesh by the adjusting device located near the grain wheel, where it is easily reached.



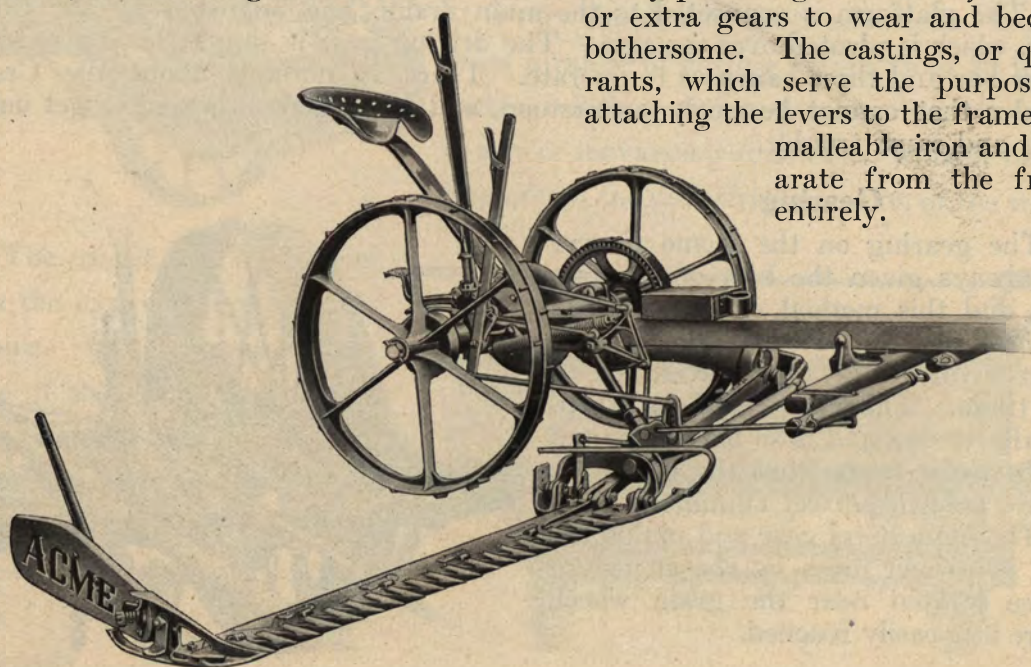


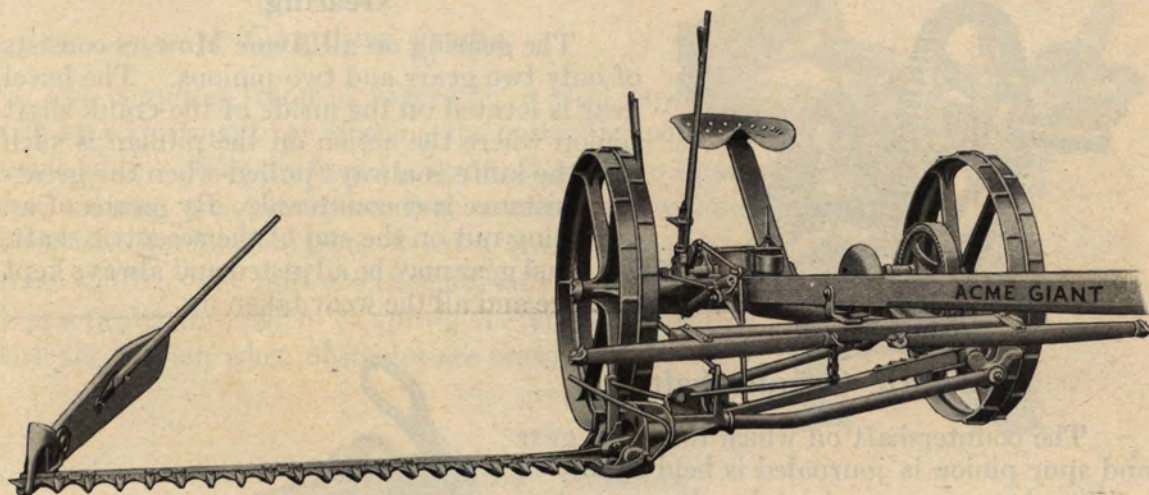
Acme Mower

(4½-Foot and 5-Foot Cut)

THE Acme Mower will stand the closest inspection and will meet the most exacting requirements. It will cut satisfactorily any kind of grass, on any kind of ground. It is light of draft, easy to operate, and very durable. When the driver is in the seat, the entire machine is so perfectly balanced, there is absolutely no neck weight. There are no unnecessary parts to get out of adjustment,

or extra gears to wear and become bothersome. The castings, or quadrants, which serve the purpose of attaching the levers to the frame, are malleable iron and separate from the frame entirely.





Acme Giant Mower

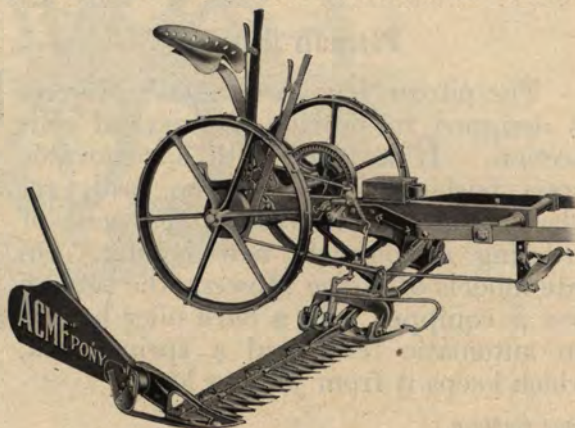
(5-Foot and 6-Foot Cut)

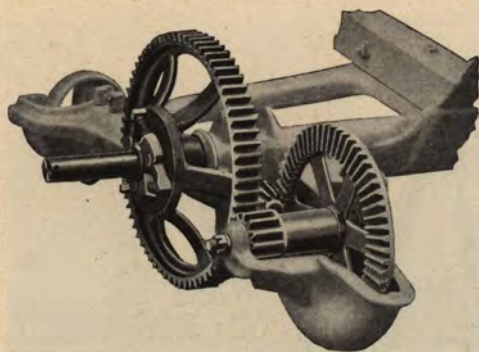
TO meet the demand for a large and strong mower, with extra width of tread, we offer the Acme Giant, which is built along the same general lines as the Acme. In providing a wider tread, we furnish a wider frame, instead of inserting an extension between the frame and the wheels, or by dishing the wheels toward the axle, as is the case with wide-gauge mowers of some other makes. It is an exceptionally satisfactory mower for alfalfa cutting, or where the cutting is extensive and an extra wide cut is desired.

Acme Pony Mower

(3½-Foot Cut)

This mower is built for one horse, and while it contains all of the special features of the larger types, it is much lighter and is especially adapted for work on small farms, parks, cemeteries, orchards, roadways, or other places where larger machines are unsuited.





Gearing

The gearing on all Acme Mowers consists of only two gears and two pinions. The bevel gear is located on the inside of the crank shaft pinion where the action on the pitman is such that the knife is always pulled when the greatest resistance is encountered. By means of an adjusting nut on the end of the eccentric shaft, the bevel gear may be adjusted and always kept in place and all the wear taken up.

Eccentric Countershaft

The countershaft on which the bevel gear and spur pinion is journaled is held rigidly in position by a convenient latch. It carries two roller bearings, which provide long, large journals for the gears. By simply turning the shaft, the mower is thrown out of gear, the spur pinion being moved out of mesh with the spur gear, so that no gears are driven when the machine is on the road.

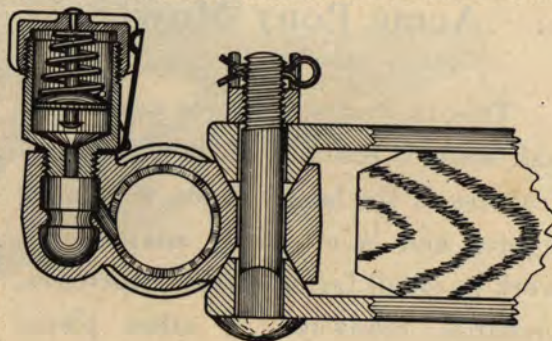


Pawl Plates

The pawl plates and pawls, or hub clutch, is strong, positive and simple. There are three pawls, one of which is in constant contact with the teeth in the ratchet. This insures a movement of the sickle the instant the machine is started.

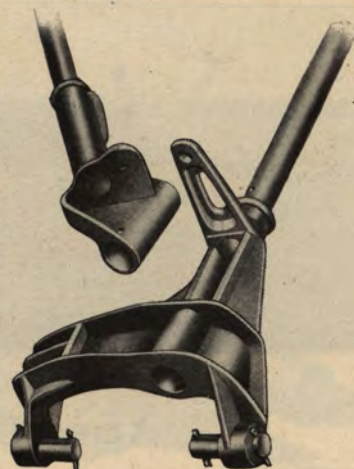
Pitman Box

The pitman box on all Acme Mowers is designed to provide a universal connection. It is fitted with a removable brass bushing, which can be easily replaced when worn without the need of ordering a complete new boxing. On late models of Acme Mowers, the pitman box is equipped with a hard oiler having an automatic feed, and a spring lock, which keeps it from jarring loose.



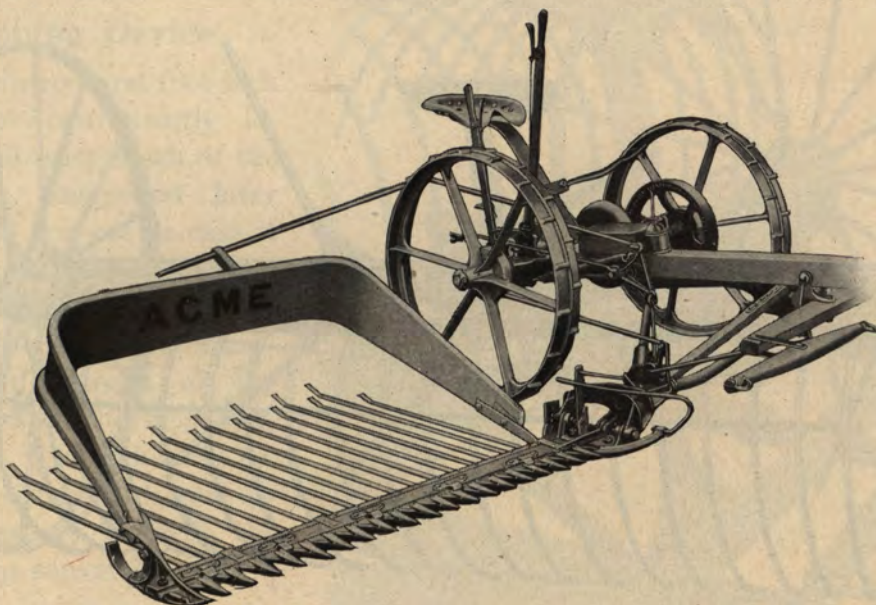
Coupling Frame

The coupling frame is braced by a steel push bar, with an adjustment for aligning the cutter bar with the crank wheel. The draft rod connects it with the equalizer, making a construction that overcomes buckling. The yoke is malleable iron, of extra strong design and great width. The pins are exceptionally large, making it practically impossible to spring the knife out of line with the pitman when obstacles are encountered.



Acme Buncher

This is a perfect mower attachment for the bunching or windrowing of clover, alfalfa, short growths of grain, buckwheat, peas, and all kinds of grasses. It is easily operated, saves the seed, and does not cause side draft. It does not pick up lodged dead grass or weeds, can be raised by the regular levers when passing obstructions without stopping the team, and can be folded for transportation without detaching any part. It dumps the grasses on the butts and does not hull the seed.



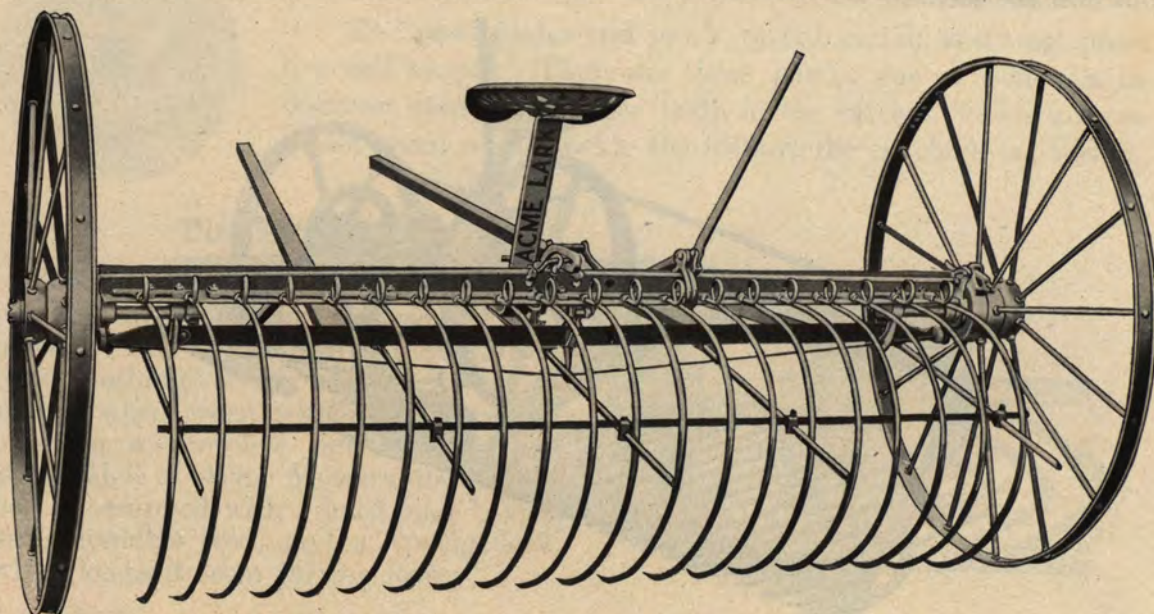


A satisfactory Stalk Rake

Acme Lark (Self-Dump) Sulky Rake

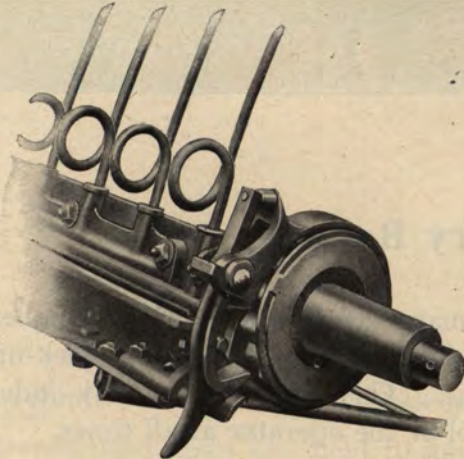
THIS rake carries many features of merit, the most prominent being separate trip ratchets for each wheel; interchangeable wheels, with extra long boxings, that can be easily and cheaply replaced when worn.

The frame is designed along correct lines. The heavy truss rod, located directly under the back, is always down, regardless of the position of the basket, thus preventing sagging. Three heavy malleable iron hinges, located at equal distances apart, distribute the strain equally over the entire rake. The wheels are of the staggered spoke type, with channel tires, and are very strong and durable. This rake is being extensively used for the purpose of raking corn stalks, the 11 foot size having been made especially to rake three rows of stalks at one time.

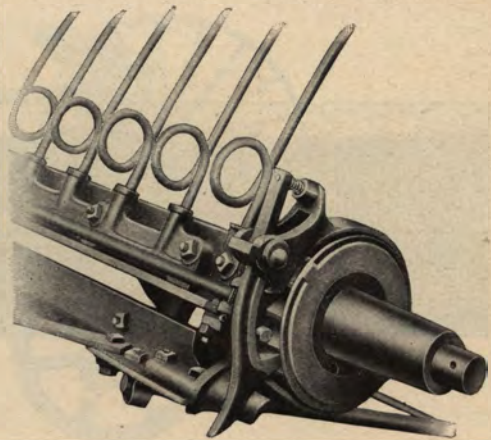


Ratchets

The trip dogs on the Acme Lark Rake act separately on the ratchets in each wheel and are entirely independent of the trip rod, thus positively overcoming the common fault of premature tripping when turning corners.



Ratchet disengaged

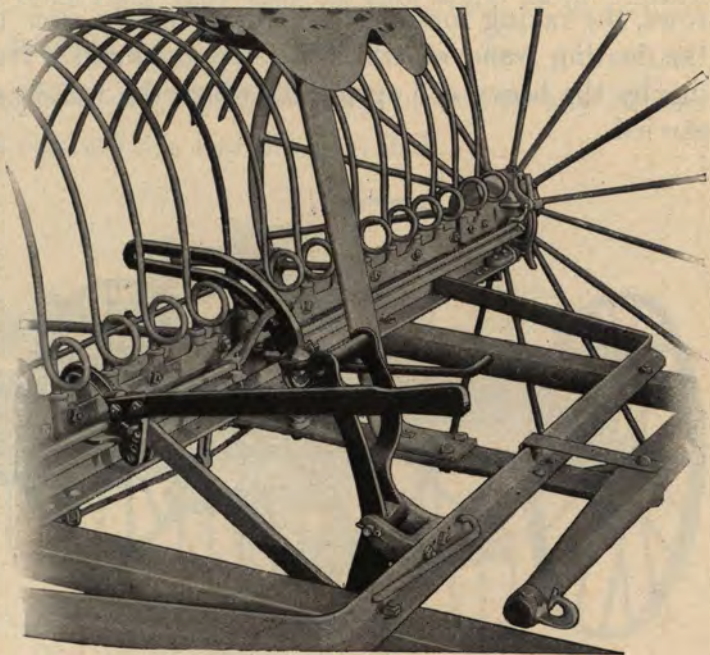


Ratchet engaged

These ratchets are entirely covered by iron shields, which prevent the hay winding around them. The pawls are made of drop forged steel and are positively engaged in the ratchets until released by the trip rod.

Dumping Device

The trip rod and foot lock casting are conveniently located within easy reach of the driver. A convenient lever is provided for use in case it is desired to raise the basket by hand. There is also a graduated connection, allowing an adjustment of the basket to suit the height of the team. The rake can be operated either with one or two horses, as desired, the thills being convertible into a tongue

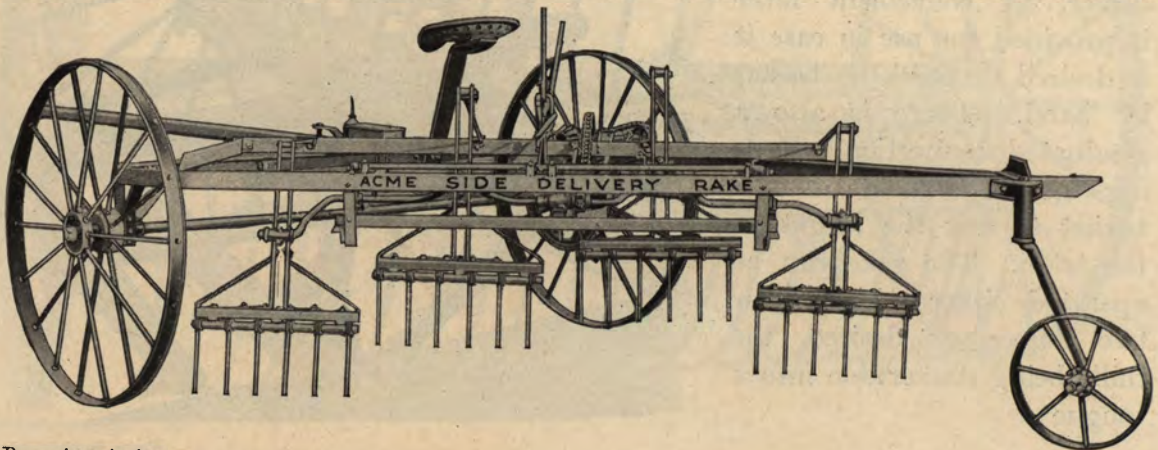


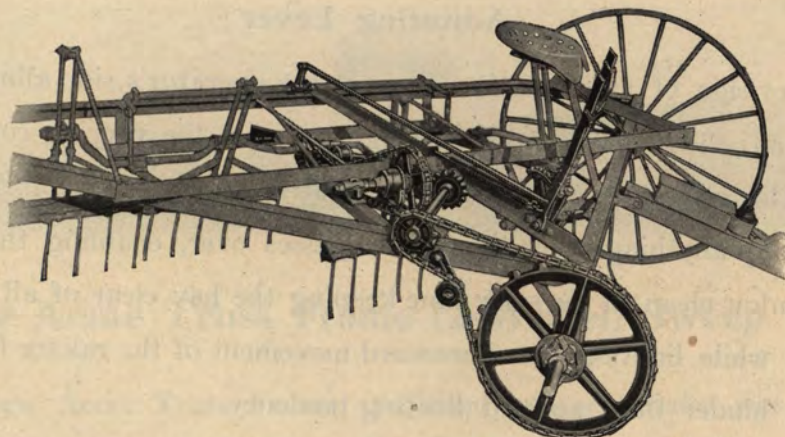


Acme Side Delivery Rake

THE Acme Side Delivery Rake embodies many features of merit, a number of which are exclusive on this machine. The raking forks, or pick-up mechanism, is carried on a floating frame. This frame is entirely independent of the main frame and is under control of the operator at all times.

In the event the caster or traction wheels drop into depressions or dead furrows, the raking forks will still work lightly over the ground, for the reason that the floating frame on which they are mounted is free to raise and is assisted in raising by the heavy coil spring on which the weight of the fork supporting frame is carried.

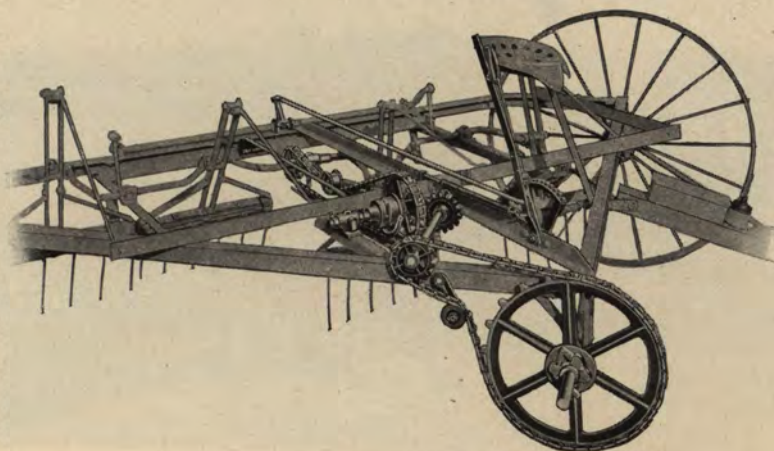




Detail view—in gear

Lifting Lever

By means of the lifting lever the raking forks may be raised high above the ground, thus clearing any obstructions which the rake may encounter when being transported from one field to another. For best results, it is desirable to allow the rake forks to float. At the same time, they may be held rigid, or in positive position, by unlocking the hand latch of the lifting lever. This does not in any way interfere with the adjusting lever, as the forks may be set to any desired height, the same as though this convenience was not provided.



Detail view—out of gear

Adjusting Lever

The provision of an adjusting lever at the operator's side allows the raking forks to be adjusted to any required height to meet the varying condition of the meadow. This adjustment is so accurate that the forks are instantly set, so they will not pick up anything which the mower passes over, enabling the operator to rake the meadow clean, at the same time keeping the hay clear of all trash. This adjustment, while limiting the downward movement of the raking forks, does not in any way hinder their upward floating tendency.

Automatic Throw Out

When raising the Raking Forks by means of the lifting lever, the driving mechanism is automatically thrown out of gear. This feature is not only valuable when transporting the machine, but also when it is desired to turn the rake at the end of the field without raking, as the forks when raised will not drag the hay and the act of raising the forks to the highest point automatically disengages the driving mechanism.





New Acme Truss Frame (2-Wheel) Sweep Rake

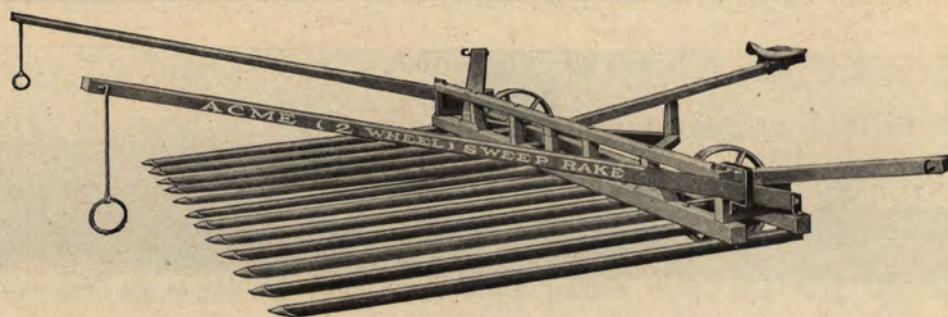
THE New Acme Truss Frame (2-Wheel) Sweep Rake was designed to meet the demand for a rake of this construction.

The Channel Iron Truss insures the greatest strength and rigidity obtainable.

It is equipped with a tubular steel axle, which carries two cast iron wheels 20 inches in diameter, with $3\frac{1}{2}$ inch face. These wheels run on bushings, which are so constructed that when worn they may be turned half over, which affords practically an entirely new bearing and insures a life of this bearing twice as long as is obtained through the use of the common bushing.

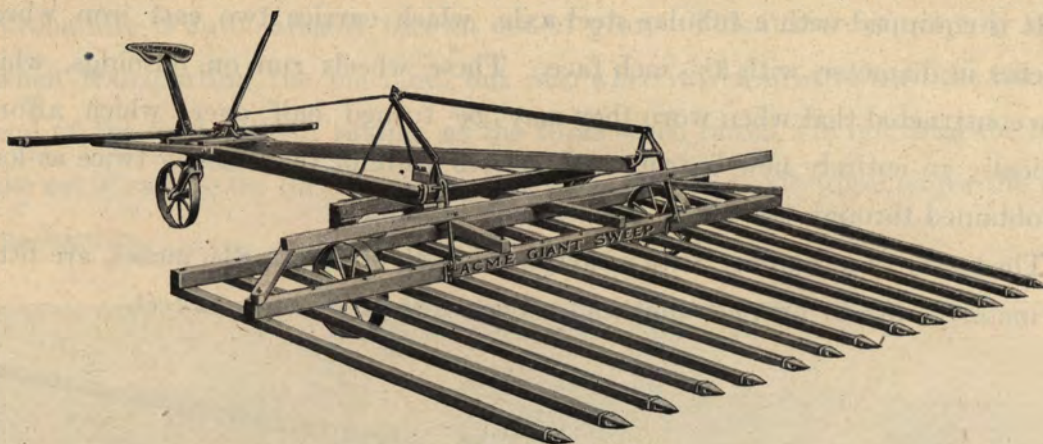
The teeth, 13 in number, with a carrying length of 6 feet, $8\frac{1}{2}$ inches, are fitted with metal points to prevent splitting. The width of sweep is 12 feet.





Acme (2-Wheel) Sweep Rake

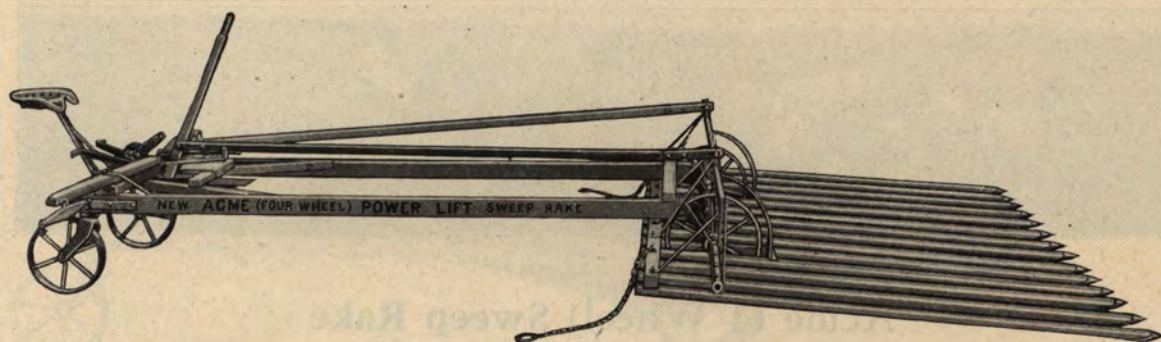
THE Acme (2-Wheel) Sweep Rake is of the most simple form of construction possible. It is fitted with tongues pivoted at the point of connection with the rake, and is mounted on two strong wheels 18 inches in diameter, which run on cast bushing boxes of special design. It has twelve teeth, with a carrying length of 6 feet. The width of sweep is 12 feet.



Acme Giant (3-Wheel) Sweep Rake

THE demand for a rear hitch sweep rake and one that will rake close up to a fence or ditch caused us to introduce the Acme Giant Sweep some years ago. The lifting mechanism especially distinguishes the Acme Giant Sweep from all others.

Width of sweep, 13 feet. Carrying length of teeth, 5 feet, 10 inches. Height of main wheels, 18 inches.



New Acme (4-Wheel) Power Lift Sweep Rake

THE Acme (4-Wheel) Power Lift Sweep Rake is so constructed that the draft of the team is applied in raising the load. A slight pressure on the foot-lever tends to hold the rake teeth to the ground while gathering the load, being so arranged that should the teeth strike any obstruction, the foot-lever will "break joint" and allow the teeth to float lightly over the obstruction without damage to the rake. However, an adjustment is provided whereby, if desired, the teeth may be locked rigidly to the ground, as on other rakes.

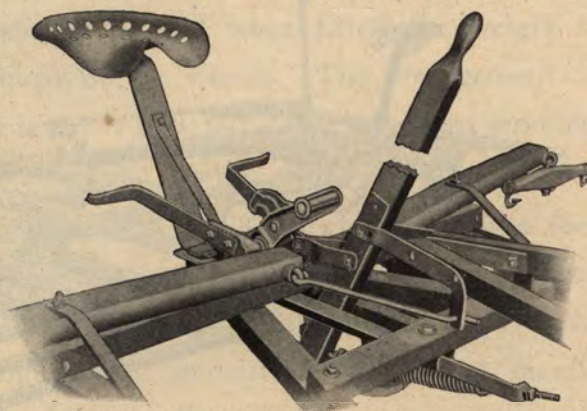
A light foot pressure on a secondary arm of the foot-lever instantly applies the draft of the team, which, together with the assistance of a coil spring, will raise the heaviest load and automatically lock it in the raised position.

A hand lever is provided which may be used in conjunction with the assisting spring and foot-levers to raise the load when the team is at a stand.

Cushion springs allow the rake teeth to conform to surface elevations and depressions, insuring clean raking.

The carrying wheels are 20 inches high, with $3\frac{1}{2}$ inch face, and are provided with internal bushings, which when worn may be turned half over, presenting an entirely new wearing surface.

The teeth, 14 in number, are 8 feet long and are provided with metal points to prevent splitting. The sweep of the rake is 12 feet, 10 inches.



Arrangement of power lift and foot and hand levers

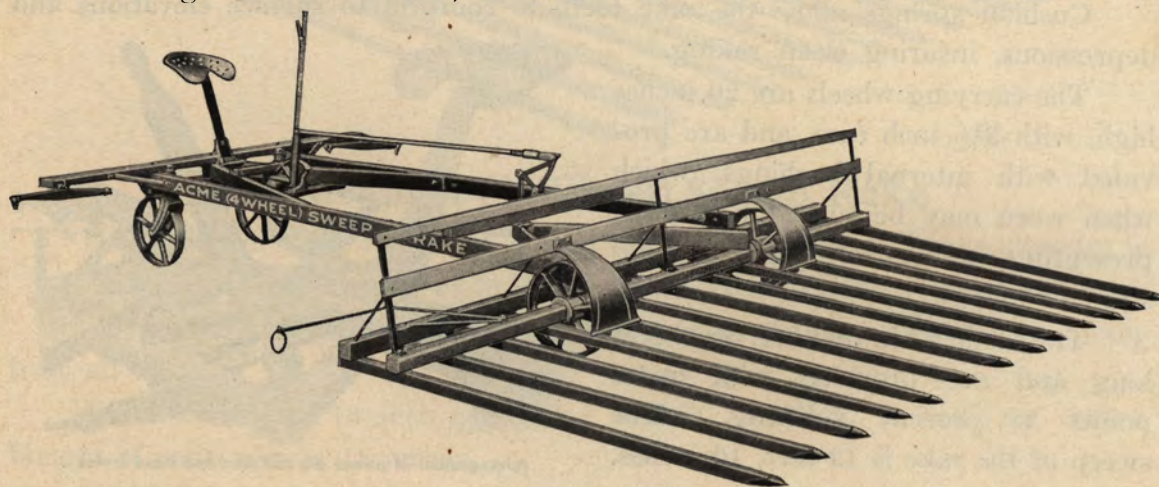


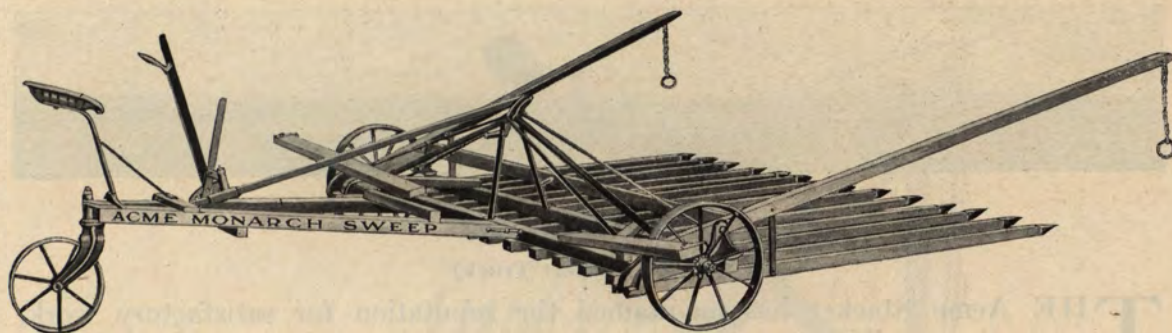
Acme (4 Wheel) Sweep Rake

IN the construction of the Acme (4-Wheel) Sweep Rake, we have incorporated a number of exclusive improvements. The lifting mechanism is so designed that the operator can with but little effort raise the teeth when loaded to their full capacity. The hand lever works in a graduated quadrant, enabling the operator to lock the teeth on the ground or to raise them to various heights. The connecting rod is provided with a steel buffer spring, which, when the teeth are locked on the ground, allows them to adjust themselves to uneven surfaces, and prevents breakage when obstacles are encountered.

This rake is being used extensively for the purpose of hauling grain to the thresher, an illustration of the rake engaged in this work being shown above.

Width of sweep, 12 feet, 10 inches. Carrying length of teeth, 5 feet, 10 inches. Height of main wheels, 18 inches.

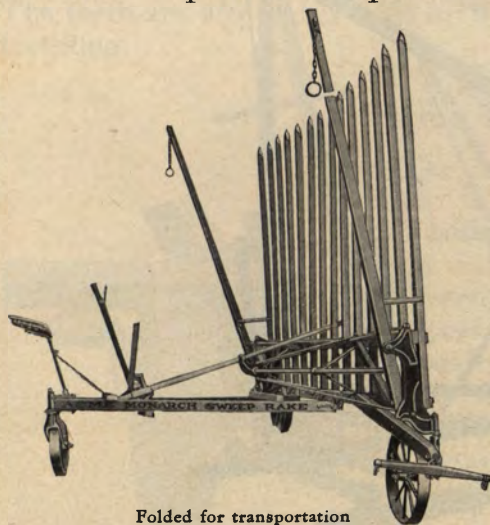




Acme Monarch (Folding) Sweep Rake

THE Acme Monarch is considered one of the most satisfactory folding rakes manufactured, and for the average farmer no sweep rake will meet the demand so completely. It does not gather dirt or other rubbish. It will bunch 500 to 1000 pounds in a place. It is an excellent machine to be used for the purpose of gathering clover for seed, as well as gathering and hauling hay to the stacker or sheds, and it can also be used satisfactorily to haul grain to the thrasher.

It has a wide range, is light of draft, and easily operated. It can be quickly folded for transportation from farm to farm, or from meadow to meadow, and when in this position will pass through an ordinary farm gate. By means of the powerful lever, it can be readily lifted to avoid obstructions, and when lifted the weight is entirely on the wheels. The arrangement of the levers is such as to give the driver absolute control of the position of the teeth.



Folded for transportation

The teeth are $3\frac{1}{4}$ inches wide by 8 feet long and are protected by metal caps. There are 14 of these teeth, enabling this rake to withstand a great amount of work and to handle extra large loads.



Acme Stacker

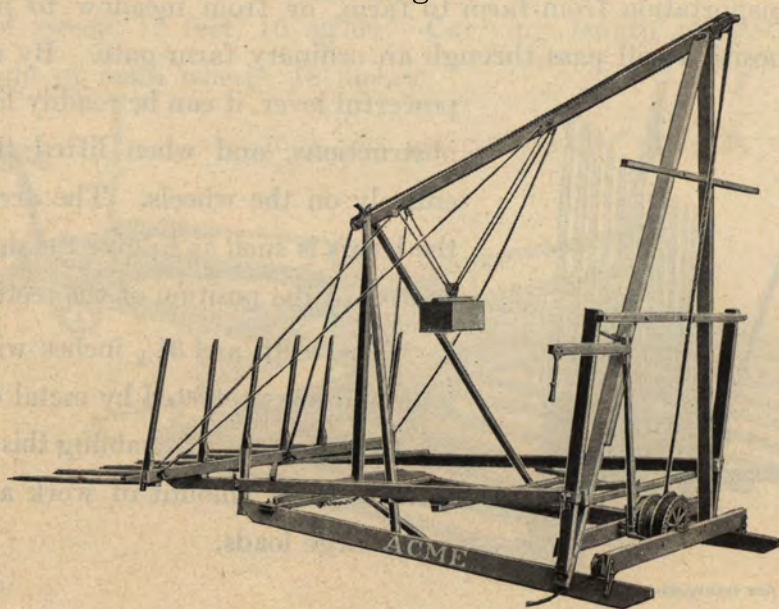
(With Transport Truck)

THE Acme Stacker has maintained the reputation for satisfactory work, gained over thirty years ago, and while it is intended to be used for the purpose of stacking hay in the field, it can also be used as a wagon loader; and while it handles hay in large quantities, it handles it in such shape that it will fall on the wagon in the proper place for the load. In loading from the stacker, the wagon should be driven crosswise of the front end of the stacker, at the proper distance to receive the load as it falls from the stacker head.

The weight box, which is connected with each end of the platform, serves as a counterbalance in a way to prevent a tendency to sag or tilt, in case the load is unbalanced. It also assists in returning the stacker head to the ground.

By means of the brake on the rope drum, the Acme Stacker is easily controlled and will allow the horse to be turned around and to get ready for the next load while the pitcher head is being lowered.

The Acme Stacker will build a stack 30 feet long, 16 feet wide and 25 feet high without being moved. The teeth are $3\frac{1}{4}$ inches wide and 9 feet long. The fingers are $2\frac{1}{4}$ inches wide and 5 feet long.





Acme No. 2 Stacker

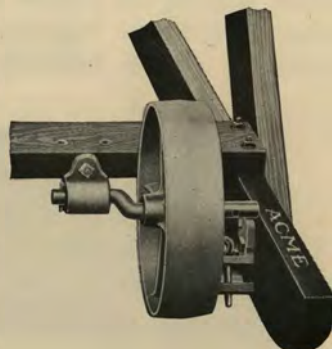
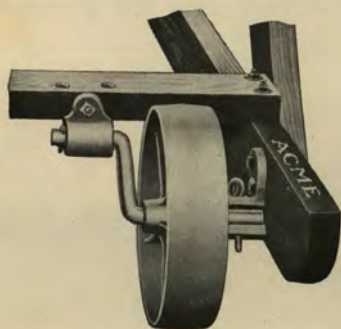
(With Transport Truck)

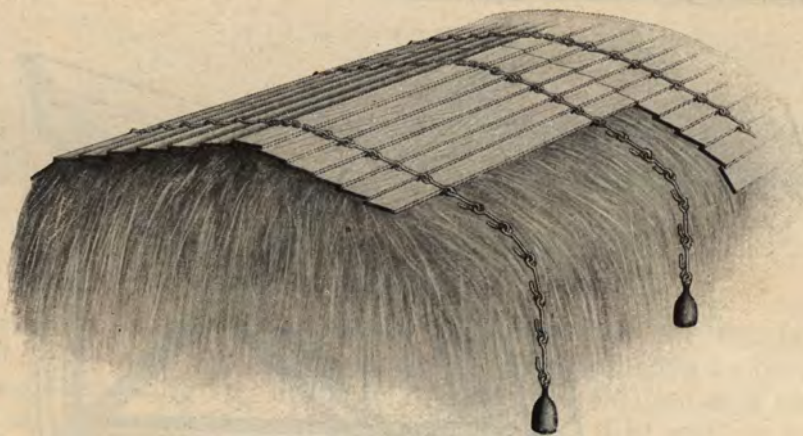
WHILE the Acme No. 2 Stacker is somewhat smaller and less expensive than the Acme, it is still a very efficient implement for those who do not feel warranted in buying the Acme. It is adjustable, both as regards the stacker head and lifting arms, and can be hitched to from either side.

As the lifting power is applied simultaneously to both sides, there is no sagging at the ends in case the load is not delivered by the sweep rake directly in the center. It is well constructed and made of the same material as the larger stacker. The teeth are $3\frac{1}{4}$ inches wide by 8 feet long, and the fingers 2 inches wide by 5 feet long.

Acme Stacker Transport

The Acme stacker transport which is furnished regularly with both the Acme and Acme No. 2 Stacker is a decided improvement over the common transport, for the reason that it is constructed to fold back against the cross-sill, allowing the stacker to rest on the ground. The detailed views clearly illustrate the construction and simplicity of this arrangement.



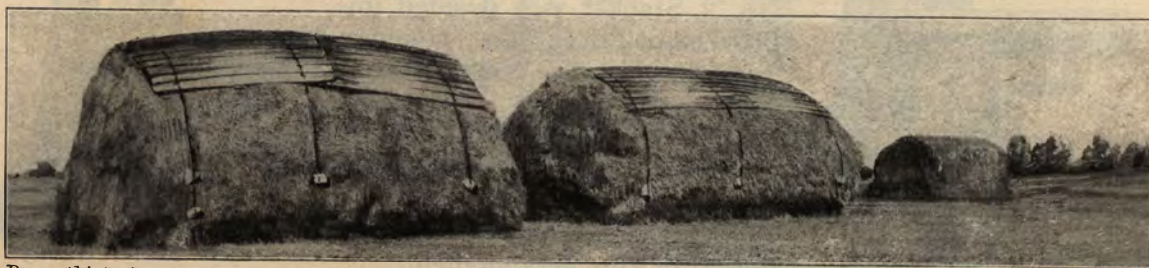


Acme Stack Cover Chains

ACME Stack Cover Chains provide an ingenious means to protect hay and grain in the stack from the damaging effects of rain and wind storms. It consists of steel chains with hooks, so constructed as to bind each board to its place without nails or other method of fastening. All that is required to cover a stack with this device is a set of four of these chains and the necessary 12 inch boards. If the stack is to be 30 feet long, two sections of 15 foot boards will cover it. The chains will last a lifetime, and when this cover is used it is not necessary to draw the stack to a taper, but it can be built straight 20 feet or more high. The center can then be filled and the roof put on, thus saving a great deal of time and labor and leaving the hay perfectly protected from the weather.

One very important advantage of these chains will be found when the farmer desires to cut over the same land several times in one season, which is especially true in harvesting alfalfa, as it is invariably cut twice, and often three or more times.

A stack built from the first cutting may be temporarily covered, and when the second cutting is ready, the cover can be easily removed. To prevent the wind from tearing off such a roof as this, weights may be attached to the end of each chain, or where high winds prevail strong stakes may be driven into the ground and the chains securely fastened to them by wire.



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