

*Index ✓* *20.000*  
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Ellis  
Keystone  
Agricultural  
Works,  
POTTSTOWN,

59.3  
E47  
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PENNA., U. S. A.

## To the Public.

**THE ELLIS THRESHING MACHINES** are not a new thing. They have been tried and fully established in public confidence wherever known. Our experience in building these machines has not been time lost. The wants of the farmer have been carefully studied; whatever defects the machine may have ever had have been removed; whatever possible improvements time and experience may have suggested, have been adopted; and to-day we offer in confidence a machine as nearly perfect as it is possible for human skill to devise. That what we say is the opinion of those who have fairly tried our machines is evidenced by the large number of testimonials we have received.

With very little advertising, upon its own intrinsic merits, **The Ellis Champion Thresher and Cleaner** may be seen not only in every state and territory in our Union, but in the Dominion of Canada, Mexico, the British Isles, Germany, Spain, Russia, and in fact in nearly every country in the world. And wherever grain grows and threshing needs to be done, the ELLIS requires but a trial to show its superiority over all others and to give it a firm hold upon the affection of the true nobility—the tillers of the soil.

Thanking our patrons for past favors, and assuring them that it shall ever be our aim to make the best machine in the market, we modestly, though earnestly, solicit a continuance of the confidence and favors so freely extended to us in the past.

We remain yours most cordially,

**THE ELLIS KEYSTONE AGRICULTURAL WORKS.**

### OUR OFFER.

The experience we have in sending our Threshing Machines out "on trial" in all sections of the country warrants us in *continuing our offer* in localities where we have no agents, or where the merits of the machine are not known, as follows:

**We will Ship a Machine to any Responsible Party**, unacquainted with its workings, in the country, who will pay freight and test in good faith. If it performs as herein represented, keep the machine and pay for it as per agreement. If it fails to give satisfaction as to practical utility and economy, *we* or our *agents must be notified at once*, when, if we do not make it work properly, the freight will be refunded, and we receive the machine at nearest shipping point, *free of cost to you*, except such expense as may be incurred by the trial while in your possession. We have sent out many machines to various parts of the country on above conditions, and in every instance, after *fair* trial, they have given SATISFACTION.

### WARRANTY.

We warrant our machines to be of good material and workmanship, and to give satisfaction on all kinds of grain if judiciously used. If on starting the machine, it should in any way prove defective, or not work properly, the purchaser should give prompt notice to the agent of whom he purchased it, and allow time for the defective part to be made good, or instructions be sent. If it cannot then be made to fill the warranty, the machine will be taken back and the payment, if made, refunded. Not over two or three days' use will be allowed for trial. *Keeping the machine thirty days*, whether used or not, without giving notice as above, shall be deemed conclusive evidence that the machine fills the warranty.

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# DIRECTIONS

## For Setting Up and Running the Keystone Power and Ellis Champion Cleaner.

FIRST set the power in the position you intend. The grade must be given to suit the condition of the straw, and the weight of the horse. See that the power is perfectly level. To remove the tread blocks or track wheels, take off the guard rail on one side only. The governor is controlled by the spiral springs. If *too much* power is taken, *tighten* the springs; if *not enough*, loosen them by a thumb-nut at top of spring. While threshing, the governor ought not to work until above threshing speed. For cutting feed, shelling corn, sawing wood, or cleaning the floor, the governor can be set to regulate the speed. When running a full day, oil track wheel journals twice, shaft journals oftener; use good oil. To stretch the track, loosen bolts and draw circles back, in which slotted holes are provided. Now set the thresher in position, that the belt on band wheel and pulley runs true. Hold thresher in place by strips at rear and belt side. Draw up cleaner and hook to thresher, and turn down eccentric. If the floor is not level, block up until the thresher and cleaner stand level. The connecting rod is put on the wooden spring in a lateral direction, turn to right and it will go on shaft journal; be careful to have the burrs tight, that there can be no lost motion. Be careful to have shaker wheel well screwed on shaft by set screw. Place the sieves as marked, chaff, wheat, oats and screen. For wheat the wooden riddle marked chaff; the wire sieve marked wheat and screen as marked. For oats use the *wide meshed* wooden riddle only; and the blank in place of screen. Riddles can all be raised or lowered to suit the different kinds of grain. To prevent grain being blown in chaff, raise tailings board. If desired to save the chaff, hook dividing board on rear of cleaner. The grain spouts go in either side of cleaner; concave is reversible. For tough grain, use all the spikes; for dry, two rows are sufficient; raise or lower concave by thumb-screw. Be very careful in changing concave to have spikes in cylinder and concave to centre. That will save much grain being broken. The end motion of cylinder can be prevented by moving the boxes on shaft; use the best oil; keep the machinery clean. Your success depends upon how well you follow directions.



# THE ELLIS

## Champion Thresher and Cleaner

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OUR Machine is entirely different in its construction from other machines, and for handling and storing is very convenient, separating so that the Thresher can be put in one place and the Cleaner in another.

The fan is placed at a point below the sieves, so that the blast comes up through them, lifting the chaff out of the way of the grain, so that it passes through very rapidly, having a greater capacity than a larger sieve when the blast is not at so low a point as we place it.

For threshing or cleaning anything damp and heavy, such as buckwheat, it is a complete machine. It cannot be clogged if proper speed be given, and for threshing seed-clover it is just the thing. The straw and chaff can be kept separate, so that farmers can use the chaff for feed if they wish, or let it go with the straw.

Having materially enlarged the hopper and widened the riddles, the capacity of our Cleaner is greatly improved, giving the grain and chaff room to spread and not to clog or choke. The capacity of our No. 1 Thresher and Cleaner, (1-H. Power), is from 10 to 20 bushels of wheat, and from 20 to 40 bushels of oats per hour; No. 2 Thresher and Cleaner, (2-H. Power), 20 to 30 bushels of wheat, and 40 to 60 bushels of oats per hour; No. 3 Thresher and Cleaner, (Engine Power), 30 to 50 bushels of wheat, and from 60 to 100 bushels of oats per hour; No. 4 Thresher and Cleaner, (Engine Power), 50 to 60 bushels of wheat, and from 100 to 120 bushels of oats per hour—guaranteed to be cleaned and screened fit for seed or market when properly handled.

As we make a specialty of these machines, we are able to do the work thoroughly and cheaply, and by this also truer to principle, and, of course, more perfect in their operation, as each successive machine is an exact duplicate of its predecessor in principle, style and finish, and working qualities, which is not the case in shops where a variety of work is carried on.

In keeping with the progress of the age, and especially labor-saving agricultural machinery, we feel free to invite a trial with any other make of threshers and cleaners, to prove the superiority of our machines. The experience we have at this business, with but one object in view (that of giving to the farmer a machine just suited to his wants), warrants us in saying that to-day the ELLIS CHAMPION is found at the head of its class. And as the time advances, and farms are divided and subdivided, the farmer will want more implements and machinery to do his work alone. The great steamers will give way to the nimble little endless chain tread-power, and its whir and song will be heard in every land and clime.



# Champion No. 1

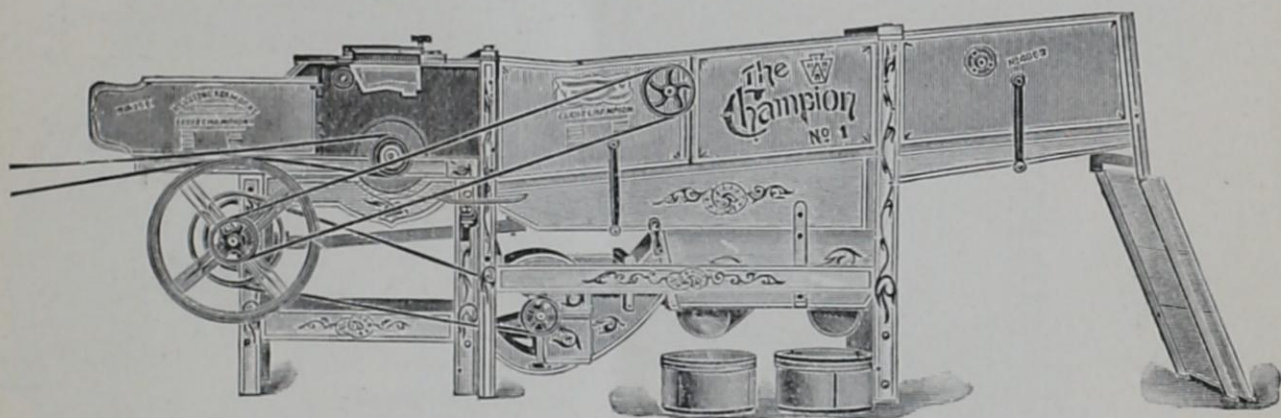
## Thresher and Cleaner

20-inch Cylinder.

27-inch Trunk.

22-inch Riddles.

Weight 1000 lbs.



OUR No. 1 Thresher and Cleaner is the most popular size, as it is run very successfully with our Double-Geared Level Tread One-Horse Power, or Two or Four-Horse Lever Power. We guarantee this Cleaner to run light and to clean all kinds of grain ready for the drill or flour mill, and make the cleanest chaff, as there is no long straw in it if proper speed is given, and less grain in straw or chaff than any style we have heretofore built. In fact it is just what every farmer needs who intends to do his own threshing. Ever ready to put his horse on power, and do little or much threshing with his own help.



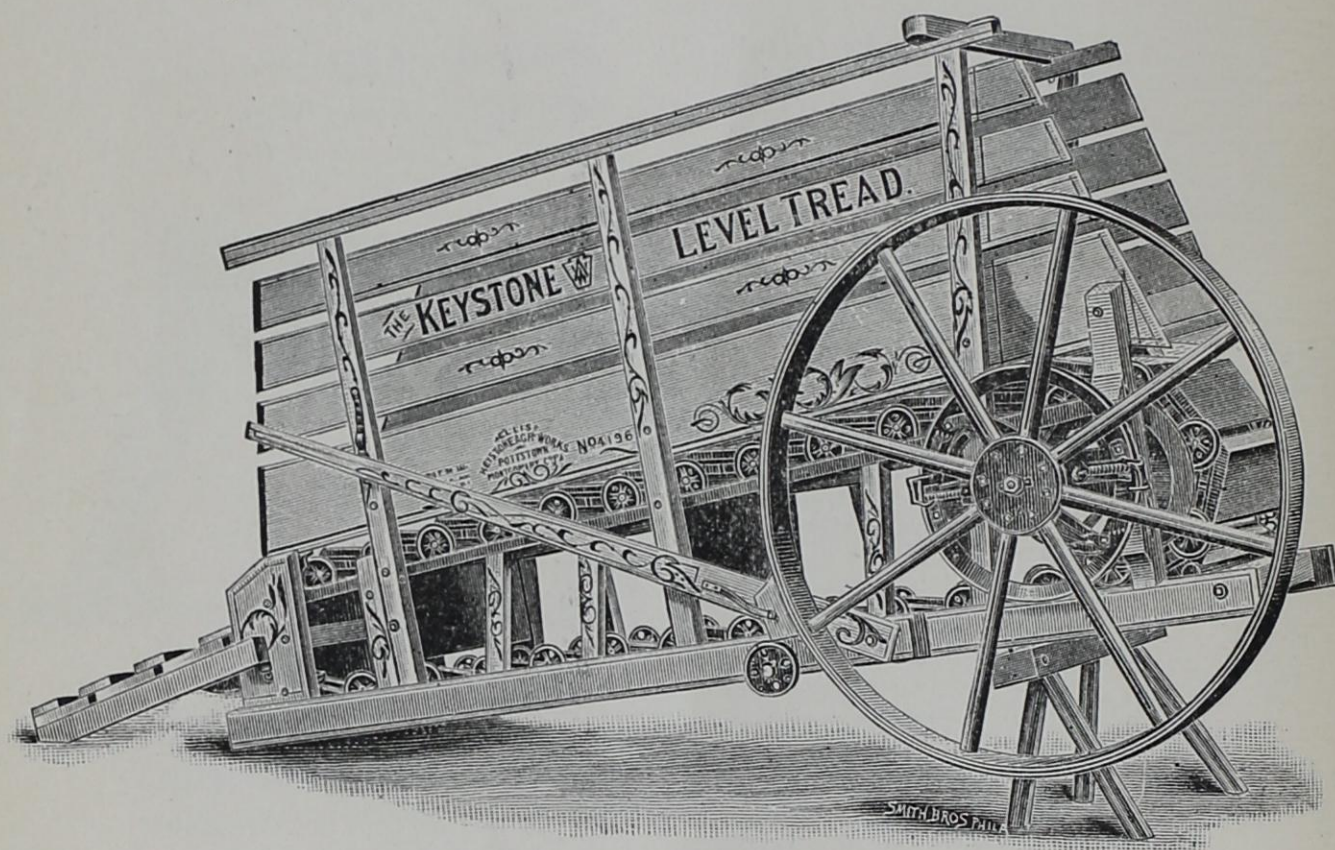


# LEVEL-TREAD ONE-HORSE Double Geared Power

WEIGHT 1100 POUNDS.

THE ONLY SAFE TRACK.

Our track wheels are  $4\frac{1}{2}$  inches high. Some manufacturers of tread-powers tell you a 6 or a  $6\frac{1}{2}$  inch track wheel is the best. We respectfully ask you to investigate this yourself. It will pay you.



**T**HIS power is longer and wider than the "Ellis Centennial." We use the same patented link in this as in the Two-Horse Power, which forms the *level tread*, and also place the rod *under* the rear side of the forward lag or tread board, and not between them. It has the same governor as the Two-Horse Power, also our **Patent Bridge** for stretching Track, an explanation of which is given on page 10. For shelling corn, cutting feed, sawing wood, churning butter, pumping water, and running light wood-working machinery, it is a complete success. With this power, the farmer is always ready for the above work with one horse.

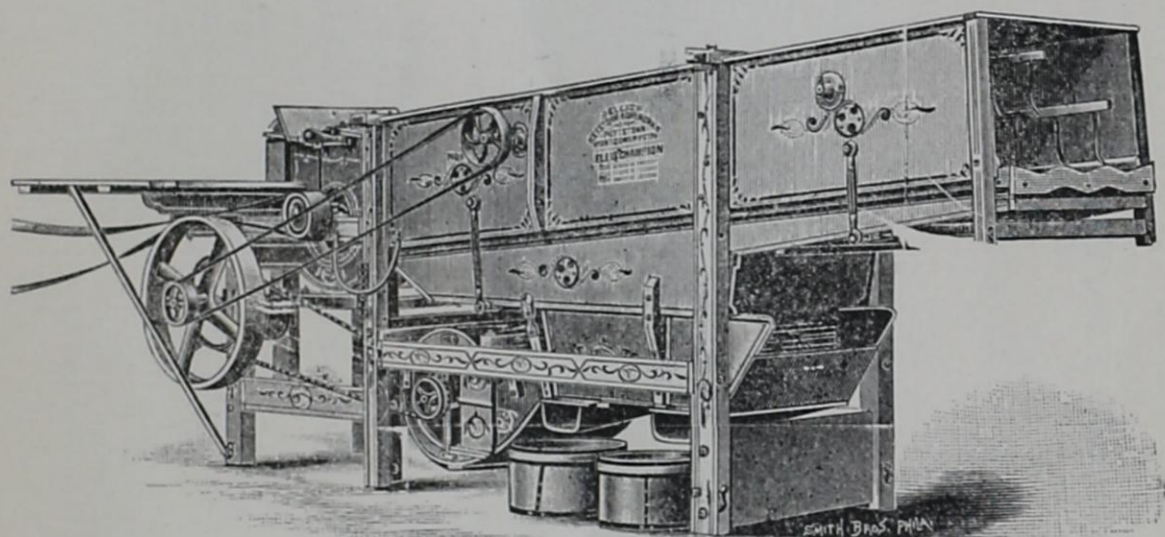
By special order we extend main shaft on left side of power, which gives slower motion, for the purpose of running **Cream Separators and Grindstones**; can run churn from band wheel on right side. For these purposes this power is a complete success on account of the steady motion retained by its governor.

Sills are 10 ft. 2 in. long, and Treads are of maple 1 foot 6 inches long, 8 inches wide and  $2\frac{1}{2}$  inches thick.

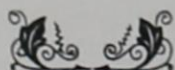


# PEA-NUT

## Thresher and Cleaner



WE make three sizes of Pea-nut Threshers and Cleaners, No. 1, No. 2 and No. 3. These machines have the same threshing and cleaning dimensions as our grain Threshers of same number, and by purchasing a set of grain extras at a small additional cost you have a combined machine, and you are then prepared to thresh and clean all kinds of grain from wheat to peanuts. Our Threshers and Cleaners have been thoroughly tested in the Pea-nut Belt of Virginia and North Carolina, and pronounced by the growers of pea-nuts as the most complete Cleaner in the world. No pea-nut farmer can afford to be without one.

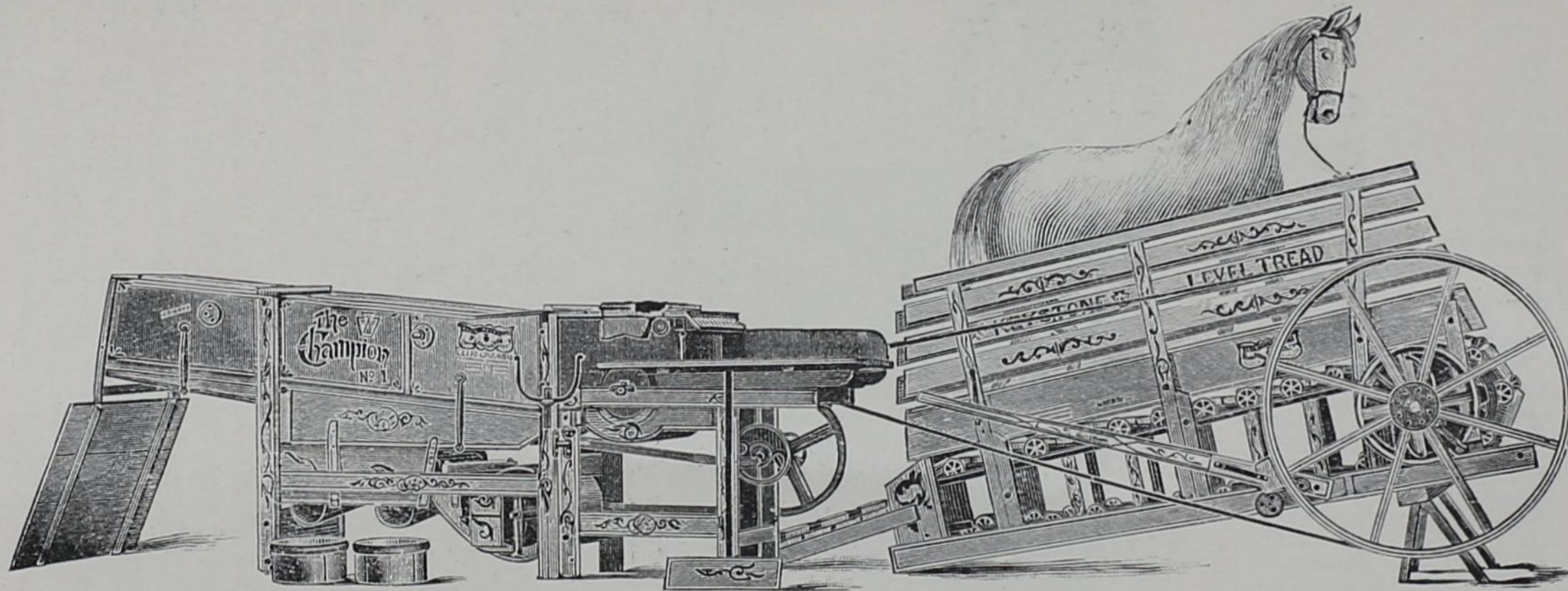




## LEVEL TREAD ONE-HORSE DOUBLE-GEARED POWER THRESHER and CLEANER

By 45 years' experience we find a medium-sized track wheel the best.

**This Machine is large enough for any 150 Acre Farm. Weight of Rig, 2100 lbs.**



THE above cut represents our small machine for threshing and cleaning all kinds of grain. It combines all the improvements of the larger machine. As the large farms are cut up and divided into smaller ones, and the prudent farmer keeps a more accurate account of the cost of having his crop threshed with the large steam thresher, he will be convinced that he can save money by owning a small machine and doing it himself. Not only will he be doing his work much cheaper, but at a time when it best suits him. He will not then have to wait until it is convenient for the thresherman to come and do his threshing, and when he does come have hurry, bustle and confusion, not only in the barn, but in the house, too, in preparing meals for 12 or 15 men; whether it suits or not. With a small machine like this, two-thirds of the farmers can, and will do the work with their own hands. On any stormy or disagreeable day in the Fall or Winter the farmer will say, "Come, boys, we will go and thresh some grain." The day is well spent, and with pride he looks at the CLEANED grain in the garner, the straw in the mow, and chaff in the bin. Then when you are done threshing you have a power to cut feed, shell corn, saw wood, churn butter, or do any other work where only light power is required. The governor we illustrate on another page is supplied with every double-gear power turned out.

We say, in GOOD FAITH, order one and you WILL be pleased with your purchase. This machine has attained great popularity, as is evidenced by the large number we have sold, and the many inquiries we receive from good, reliable agents with regard to the sale of them after they have seen them work.

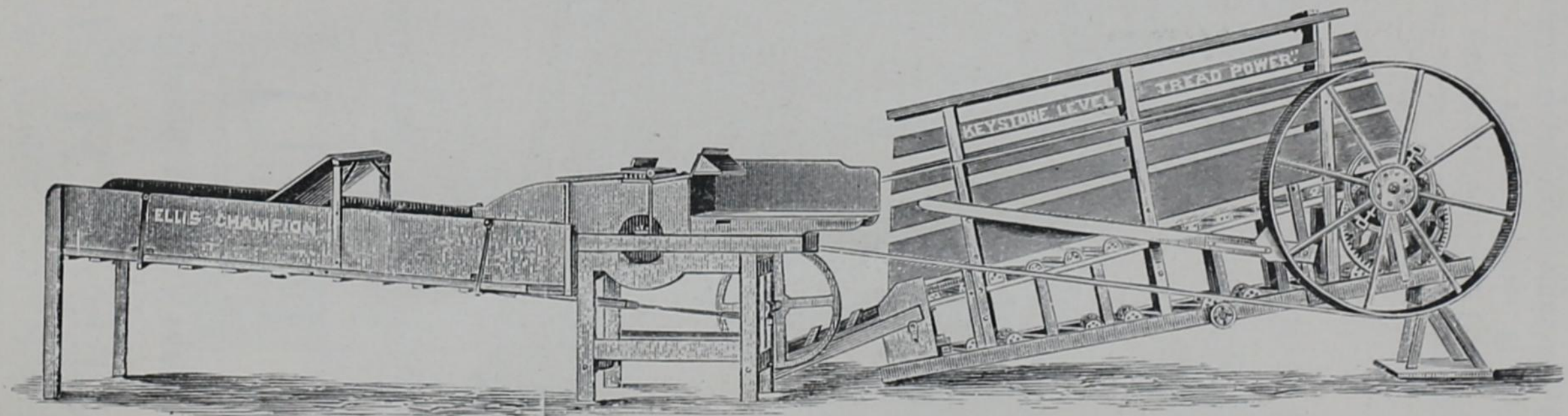


# One-Horse Power Thresher and Shaker

NO DANGER OF BENDING RODS IN THIS POWER.

20-inch Cylinder.

Weight of Rig, 1500 pounds.



One-Horse Double-Geared Power Thresher and Shaker.

THIS machine finds favor with the farmers who do not have much threshing to do, from the fact that it costs less money than the One-Horse Power Thresher and *Cleaner* combined, and are not compelled to hire a thresherman to do the small jobs. This thresher has the same concave and dustless cylinder as in the threshers and cleaners, and will *thresh* just as clean, but will need a fanning mill to clean the grain. Therefore, we can accommodate both large and small farmers, now that you not only have an excellent Thresher and Shaker, but our latest level-tread double-geared power with governor, with which you can cut your cornfodder, hay or straw, run wood-saw, cornsheller, cream separators, churn and farm grist-mill.

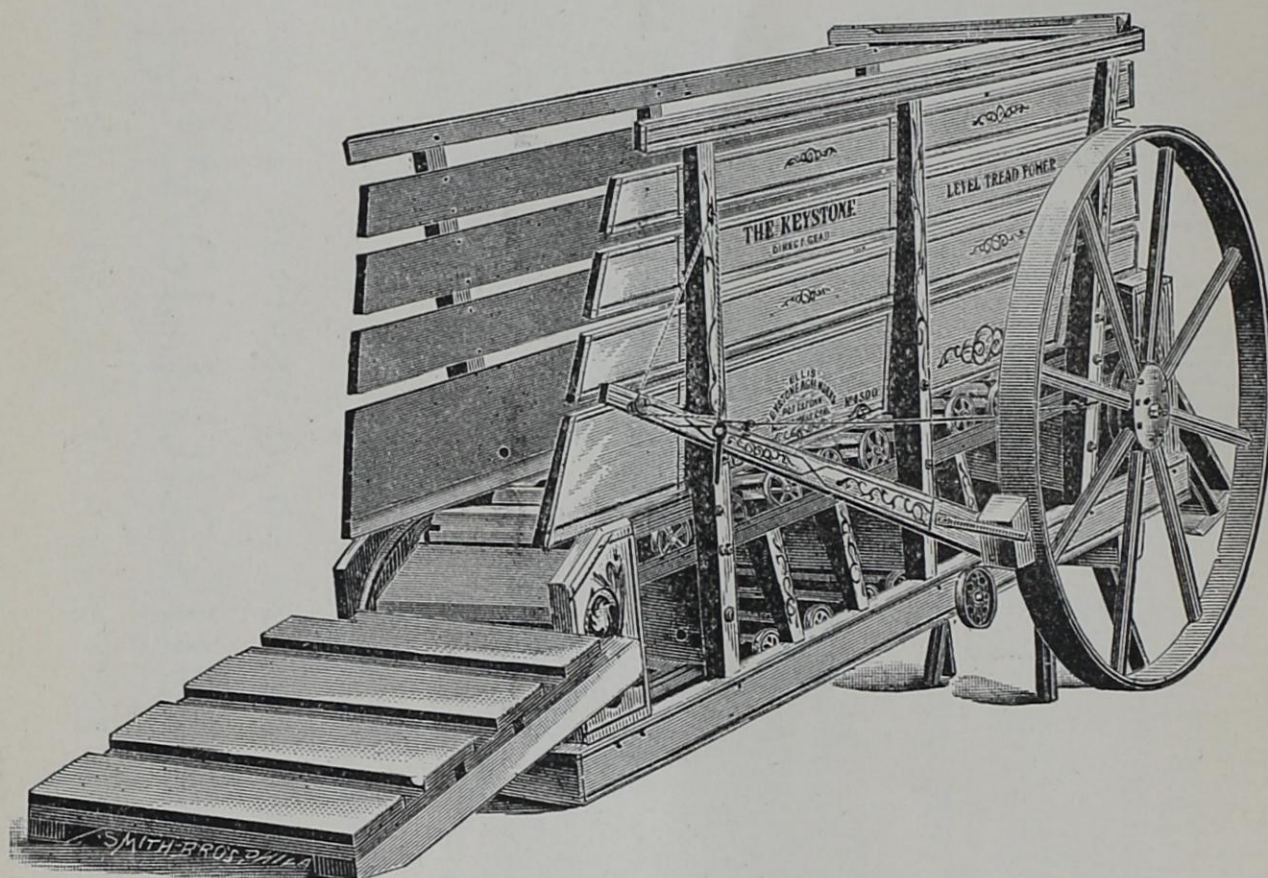


# THE KEYSTONE

## DIRECT GEARED

# Level Tread Power

Weight 1100 Pounds.



It is Well Made, Cheap and Gives Satisfaction.

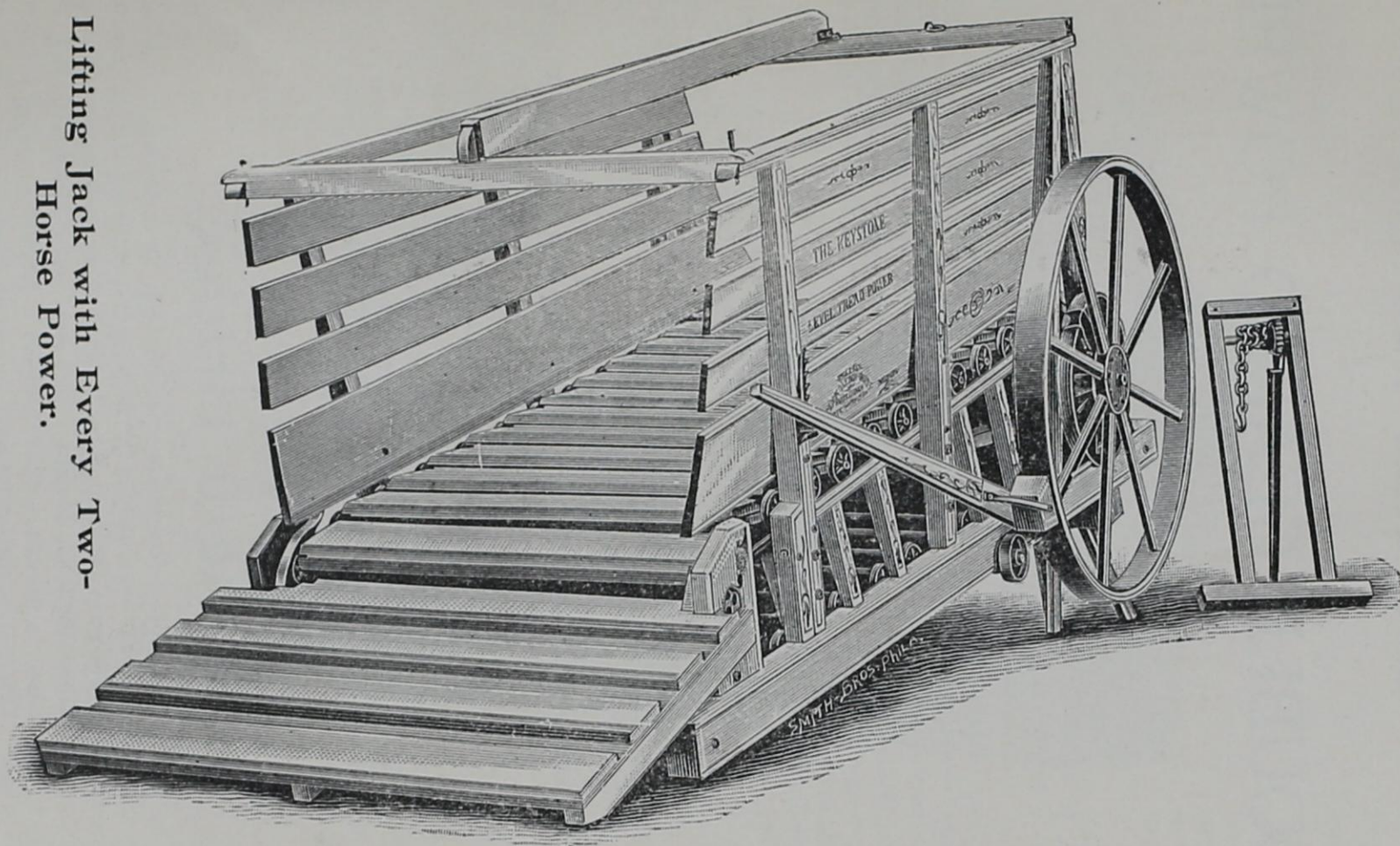
The band wheel is on same shaft as pinions, which gear into cogs on links. The level tread is formed by the link the same as in the Double Gear. The Pusey governor is used with this power, which applies the rubber brake to circumference of band-wheel.



# TWO-HORSE DOUBLE-GEARED POWER, with our Improved Level Tread Weight 2,200 Pounds.

BEST WEARING AND SMOOTHTEST

9



Lifting Jack with Every Two-  
Horse Power.  
RUNNING POWER EVER BUILT.

With Patent Bridge for Stretching Track.



## Level Tread Two-Horse

# DOUBLE GEARED POWER

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**T**O the *casual observer* there does not appear to be any marked difference of construction in this power from that of others, but when examined, there are found features never before thought of—claims that, when understood, are found invaluable. First—we claim the *combination* of gear wheel and sprocket is stronger, less liable to break, as the power is transmitted from *circumference* to pinion, which drives the band-wheel, and having an *internal gear* which meshes into a pinion on band-wheel shaft—therefore impossible to slip gear or jump cogs; while in all other sprocket wheels the power is applied to the centre, thence to the circumference, which would be difficult to have hub, set-screw or key strong enough to hold. Do not *overlook the principle*, for it is worthy of attention. Possessing this gear, we walk the horses slower, and yet retain the same power as that of the direct or single gear. We support the shaft on which the band-wheel is placed by an iron bracket, which holds it securely, and runs truer than when placed on long shaft. The *patented link* forming the *level tread* is another *grand feature*, and should not be overlooked. An explanation of it is found under cut of Sectional Part of Power.

**The Sills are 11 feet long; Treads of Maple 4 feet long, 8 inches wide and 2½ inches thick.**

This Power *wears longer*, is *less noisy*, walks the horses *slower* than any we ever manufactured. Have had them running from July until September, *threshing more grain* than one average farmer would raise in *twenty years*, and very little sign of wear could be seen on the gear. The thresherman handled them *carefully* and used *good oil* and *often*—which advice we give to all, and by obeying you will be successful.

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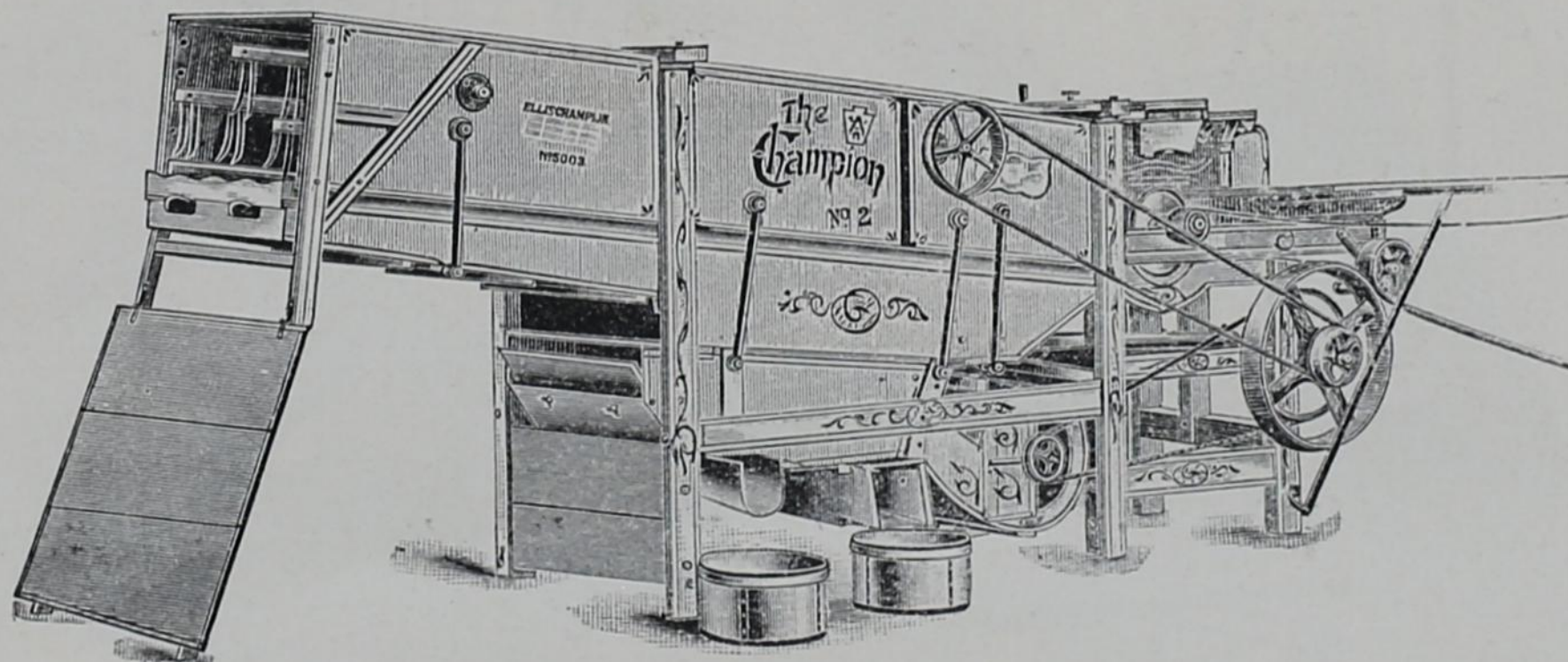
## Patent Bridge.

Our Patent Bridge, covering the opening between the main track and back circle, when the power is stretched for the purpose of tightening the chain, is the only perfect arrangement of the kind in use. No matter how often or how much the power is stretched, the track remains continuous and complete, allowing the wheels to run down its smooth surface without a jar, the same as when the Power is new. This avoids the fearful wear and strain caused by the wheels jolting over the necessary break in the track, and which brings so many powers of other makes to an early end. Look well into it.



# CHAMPION No. 2.

24-inch Cylinder. 34-inch Trunk.  
30-inch Riddles. Weight, 1,400 lbs.



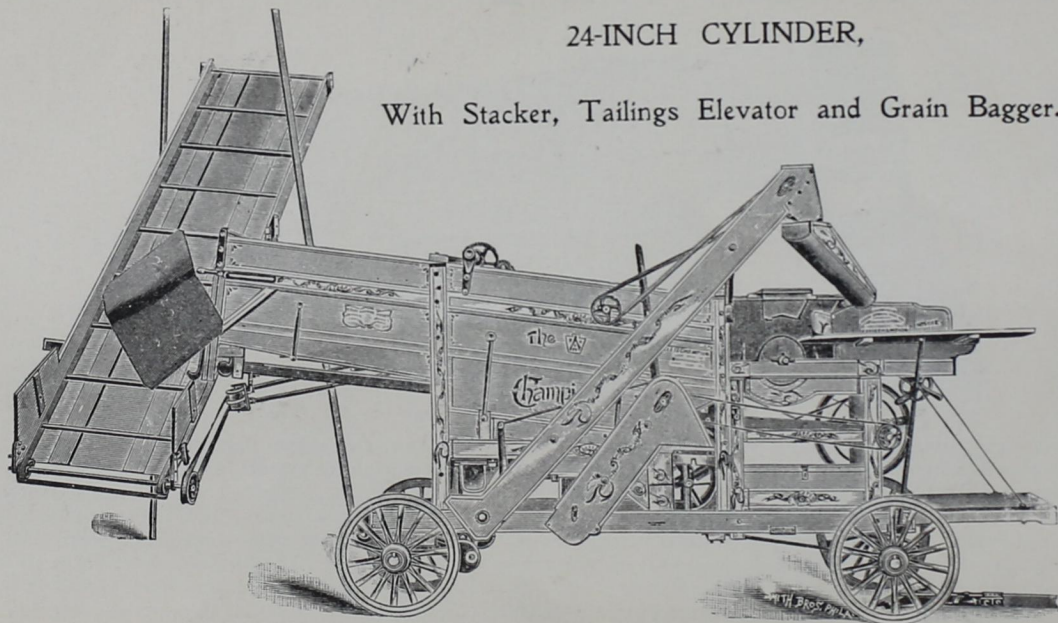
THE above cut represents our No. 2 Thresher and Cleaner, which has the same patent shaker that is in the No. 3 or larger machine, which does not allow the straw to clog on bottom, even if it is cut fine by the cylinder teeth. Can thresh long rye straw without it lodging behind cylinder, as we have rakes that take it away as fast as threshed and delivered on floor or on stacker. Therefore this device is far superior to *any* revolving apron, and you will find it so by actual test. We put nine bars in cylinder and five rows of spikes in concave. Riddles are 30 inches wide, trunk 34 inches wide, giving ample room for separation; in fact, there is less grain wasted, either in the straw or chaff, than any heretofore built by us. This machine can be, and is, run very successfully by four-horse lever power or two-horse tread power. If you have a good team, straw in nice condition and well filled, you can thresh from 250 to 300 bushels of wheat in a day and double that amount of oats. The chaff this machine makes is free from straw. We hear you say, "That is what we want."



# ELLIS CHAMPION NO. 2, MOUNTED,

24-INCH CYLINDER,

With Stacker, Tailings Elevator and Grain Bagger.

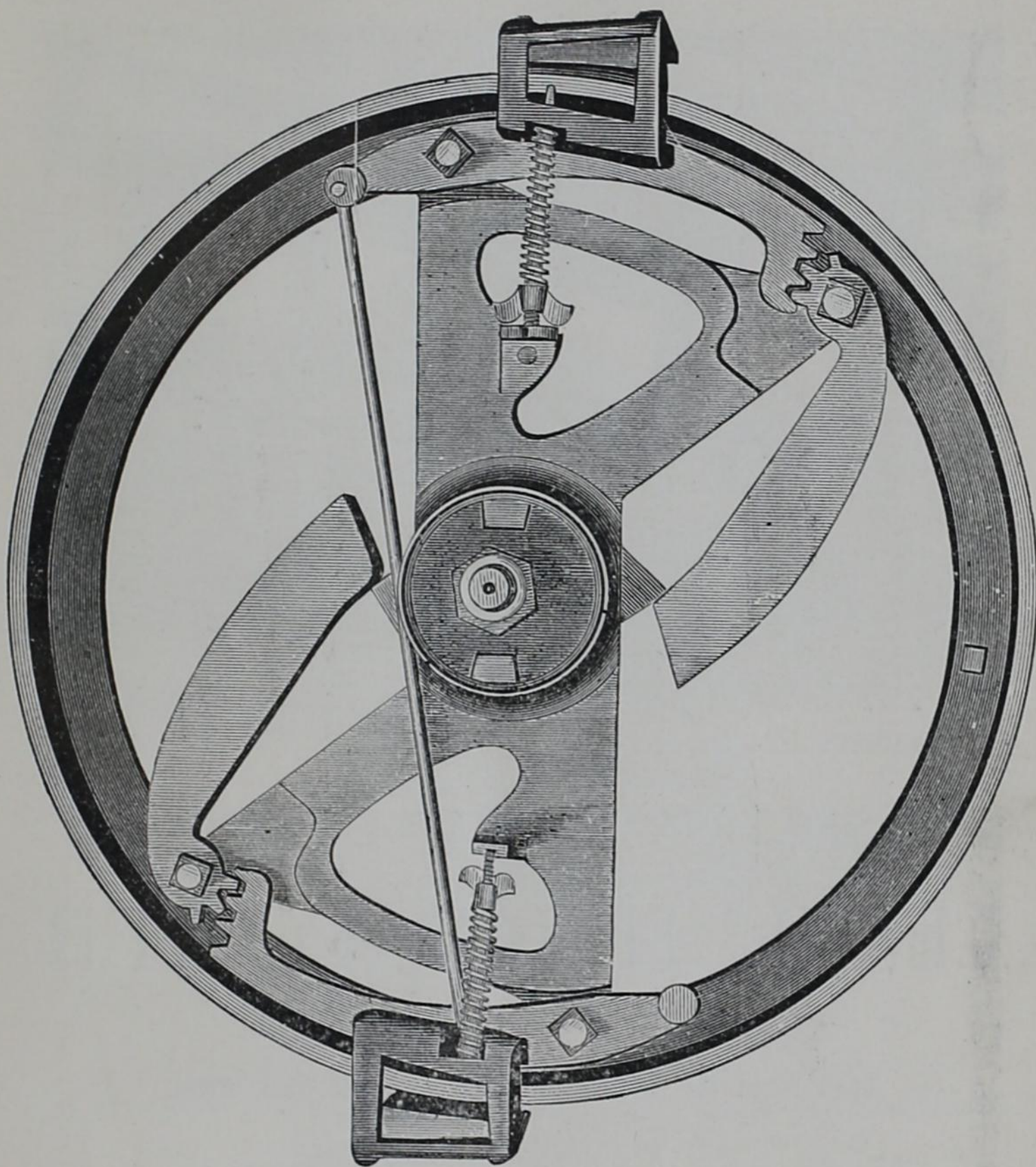


30-INCH RIDDLES, 34-INCH TRUNK, WEIGHT 1900 POUNDS.

For Horse or Gasoline Power.

Our General Purpose Size.

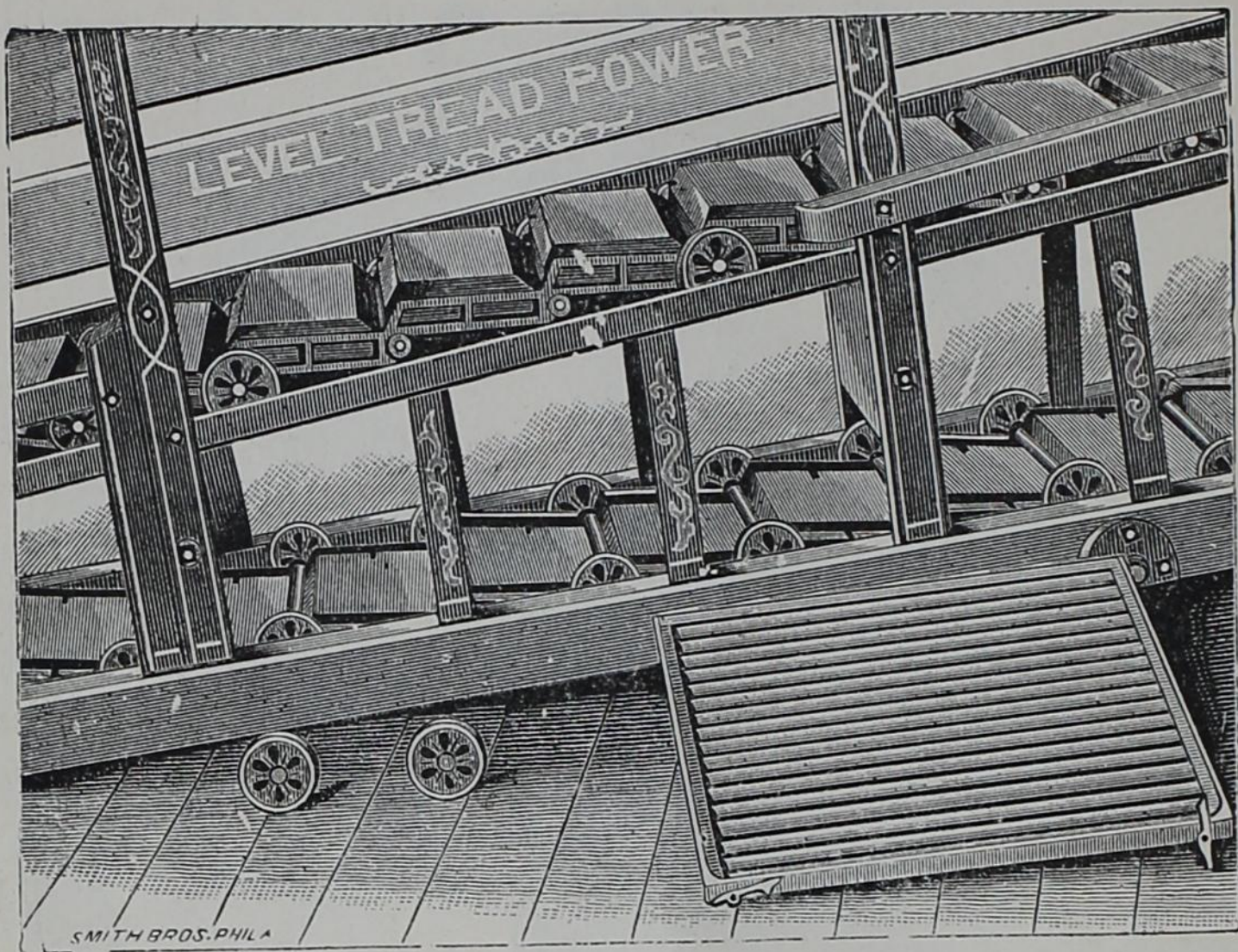




## Our New Governor has no superior.

ABOVE you see a true picture of our **Governor**, invented by Mr. N. Hoffman, which is used on all our *double-gear* powers. Much time and money have been spent to perfect it, and to make it a *governor* in the *true* sense of the word, which most assuredly has been accomplished. We call your special attention to the levers, and the manner in which their power is exerted on the rubbers. All tread-power governors heretofore invented have but *one lever* or ball on each side of shaft. We differ in that particular, having *two* on each side. The fulcrum on the outer level being close to the cogs where they join, exerts a great power (while in motion) on the rubber bracket or lever, and will retain a *steady motion* even when the belt runs off. The power or force of these levers or balls is controlled by spiral springs which in a moment can be tightened or relaxed by a thumb-nut. The Governor is independent of band-wheel. CREAM SEPARATORS require *steady* motion. This Governor will give it. It is on all our Powers.





## SECTIONAL VIEW OF OUR LEVEL TREAD POWER

Don't Forget the Question of Medium or High Track Wheel.

THE above cut was made for the express purpose of showing more clearly the design of our LINK that forms the LEVEL or HORIZONTAL footboard in horse-powers invented by us, for which LETTERS-PATENT have been obtained, a copy of which we give below; an examination of it and that of ANY OTHER will at once demonstrate the device to be ENTIRELY DIFFERENT from them, and that you will have the VERY LATEST and BEST, not only in the LEVEL TREAD, but in the other points, described under cut of power complete. We here give you a copy of the claims.

**"Patent, No. 298,971."**

"First.—The link having the rear eye **d** below and in advance of the rear edge of the body, whereby the connecting rod **f** is covered and protected by a lag **F** as set forth.

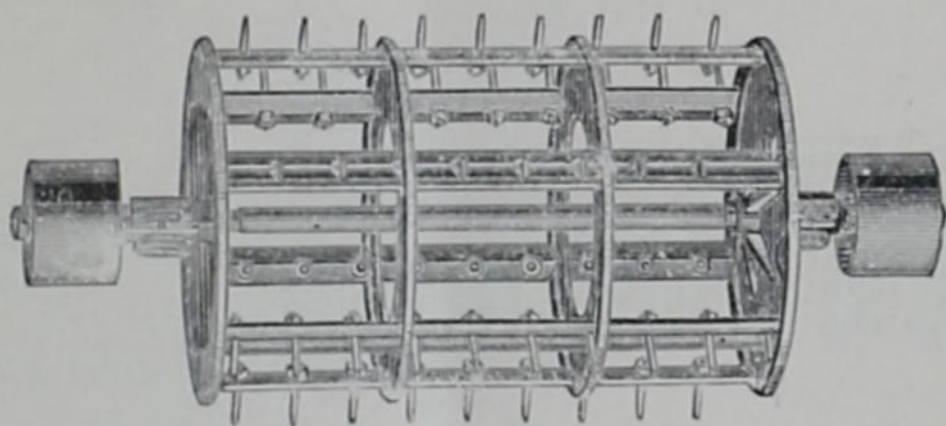
"Second.—The link having a front eye **b** in line with the body, and the rear eye **d** below and in advance of the body as set forth."



# Steel and Iron Cylinder

NINE BARS OR BEATERS IN No. 1, No. 2 AND No. 3 THRESHERS

The only Cylinder that takes all the Dust from Feeder.  
So truly balanced that there is no motion perceptible on Machine while running at a speed of 1000 revolutions to the minute.



YOU have in the above cut a representation of our **new** open Iron Cylinder, which for strength and other points of excellence has no equal.

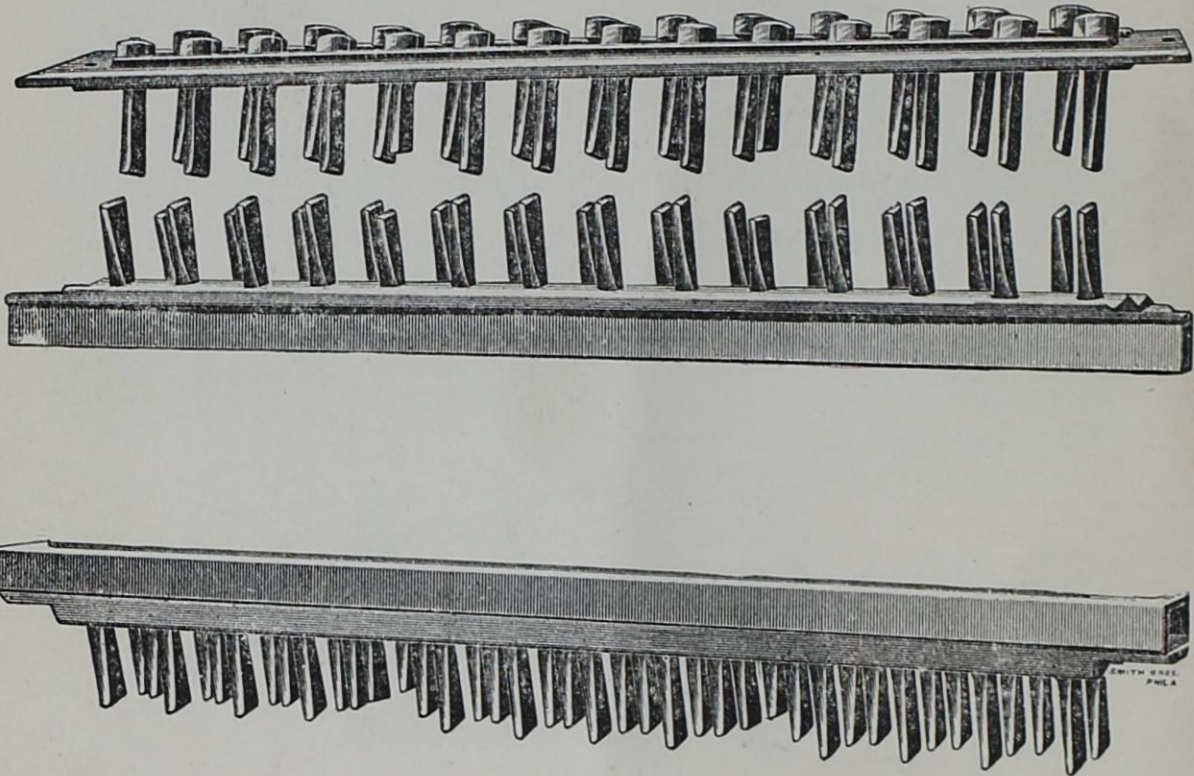
The bars, or beaters, are of the best steel. The teeth, or spikes, and the shafts are **steel**. The ends and centre heads are of cast iron, with **refined** wrought-iron bands, making a safe cylinder to stand before. The bars are of peculiar construction, by which we obtain a draught of air in the direction of the motion of the cylinder, thereby taking all the dust from the man who feeds the machine. The spikes in the **cylinder** and **concave** are steel. The shank is tapering, with no shoulder (which is the true principle), therefore the nut draws the spike securely and is prevented from turning by a lug or projection on the side, with a corresponding slot in bar to secure it. In the machines of other makes, where the **greatest strength** is required, and where other spikes with shoulders are the **weakest**, ours are the **strongest**. You will find this to be the pleasantest cylinder to feed you have **ever stood before**; so say all who have tried them.

We make this assertion, which is the conviction of all who have seen our Steel and Iron Cylinder in operation.



# CONCAVE IN SECTIONS

More Threshing Capacity than any Other in Use.



THE above cut represents our Concave, which we put in all our machines, and it deserves mention, which we describe as follows :

It is made in two sections ; these sections are reversible, so that either side can be placed facing the cylinder ; one side has the spike that is common to all concaves ; the opposite side is provided with a cast plate, with ribs, the object of which is to present this surface of the concave to the work when not much is required on the straw to thresh the grain out, thereby letting the straw pass much more rapidly than if driven through the long spikes ; either section can be loosened, and turned and fastened in less than FIVE MINUTES.

Another new and important feature is the manner in which it is connected with thresher. It is fastened on a pivot at side next the feeder, and free to fly up at opposite side, so that if anything should happen to pass into the cylinder, OTHER than STRAW, its hinged lid-like principle allows it to fly up and let the article pass through, doing little or no damage to cylinder or concave.

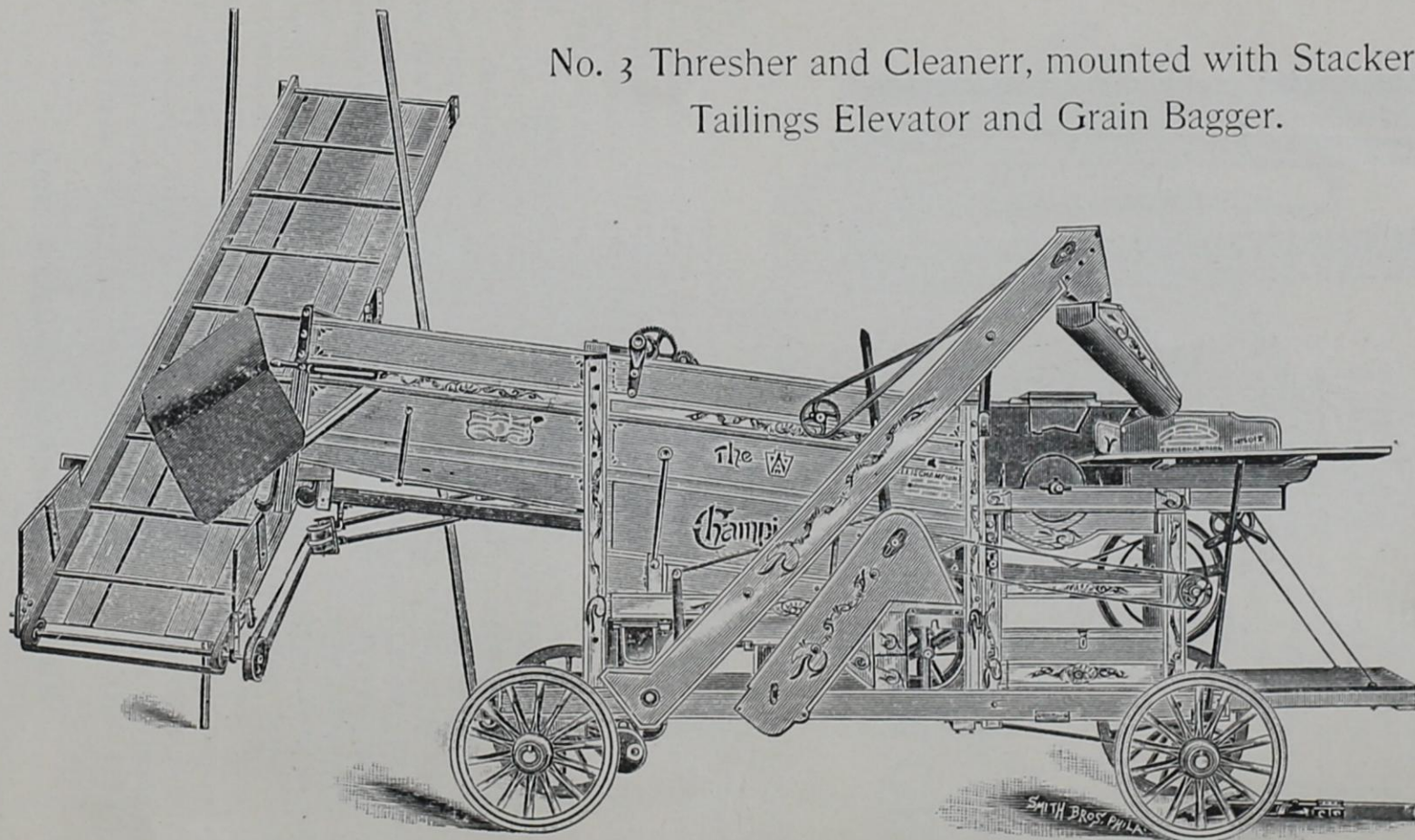
The side free to rise is furnished with a thumb-screw at the centre, by which it can be set close to the cylinder, or raised up and held there, just as the operator finds necessary to do good work. The arrangement has saved large bills of repair.



FOR GASOLINE, STEAM OR HORSE POWER.

# OUR 28-INCH CYLINDER MACHINE

No. 3 Thresher and Cleanerr, mounted with Stacker,  
Tailings Elevator and Grain Bagger.



RIDDLES 33 INCHES WIDE. TRUNK 37 INCHES. WEIGHT 2200 POUNDS.

Threshermen like this size, because it is easy and convenient  
to go from farm to farm.



## No. 3 Thresher and Cleaner

FOR STEAM OR HORSE POWER.

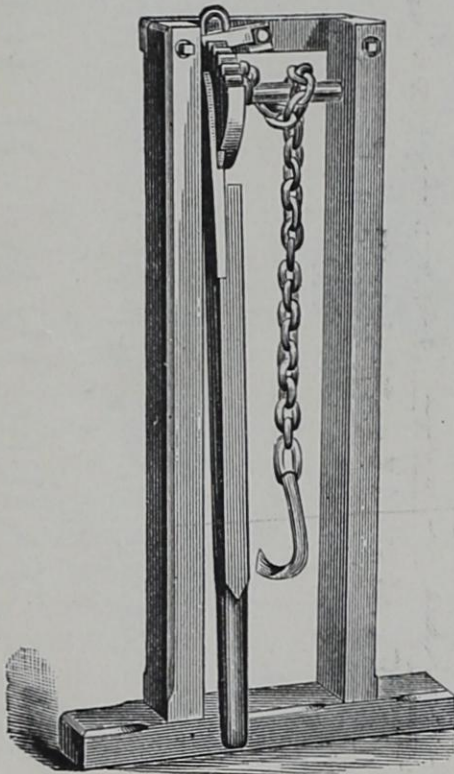
THE cut on page No. 17 clearly represents our No. 3 Thresher and Cleaner, with Straw Stacker. The **Stacker**, **Tailings Elevator** and **Grain Bagger** are extra, and furnished only when ordered. The cylinder is twenty-eight inches long, with a corresponding wide trunk or shaker. The pulleys, shaker wheel, table, grain spouts and concave are reversible. The fan is placed at forward end of wind-box, and driven by a belt from shaker-shaft pulley. The direction of the blast is the same as in former machines, coming up under and lifting the chaff upward and outward, which is the true principle for cleaning grain. This machine we build more especially for LEVER, STEAM and GASOLINE POWER; yet it is run very successfully with our Two-Horse Tread Power. Its capacity is greater than many machines of even larger size, on account of its simplicity of construction and the true principle of its PATENT WOODEN RIDDLES.

The quantity threshed in a given time will depend altogether on how well it is operated, how steadily it is run, how large the straw, and how well the grain yields. All things being favorable, it will handle 500 bushels of wheat in ten hours, and all other grain in proportion.

This machine has the same dustless cylinder as the smaller ones, by which the dust is drawn from the feeder, and blown out with the straw.

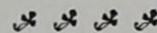
For strength, durability, workmanship and finish, it is excelled by none.

These machines are being run by seven to nine-horse engines, with good results.



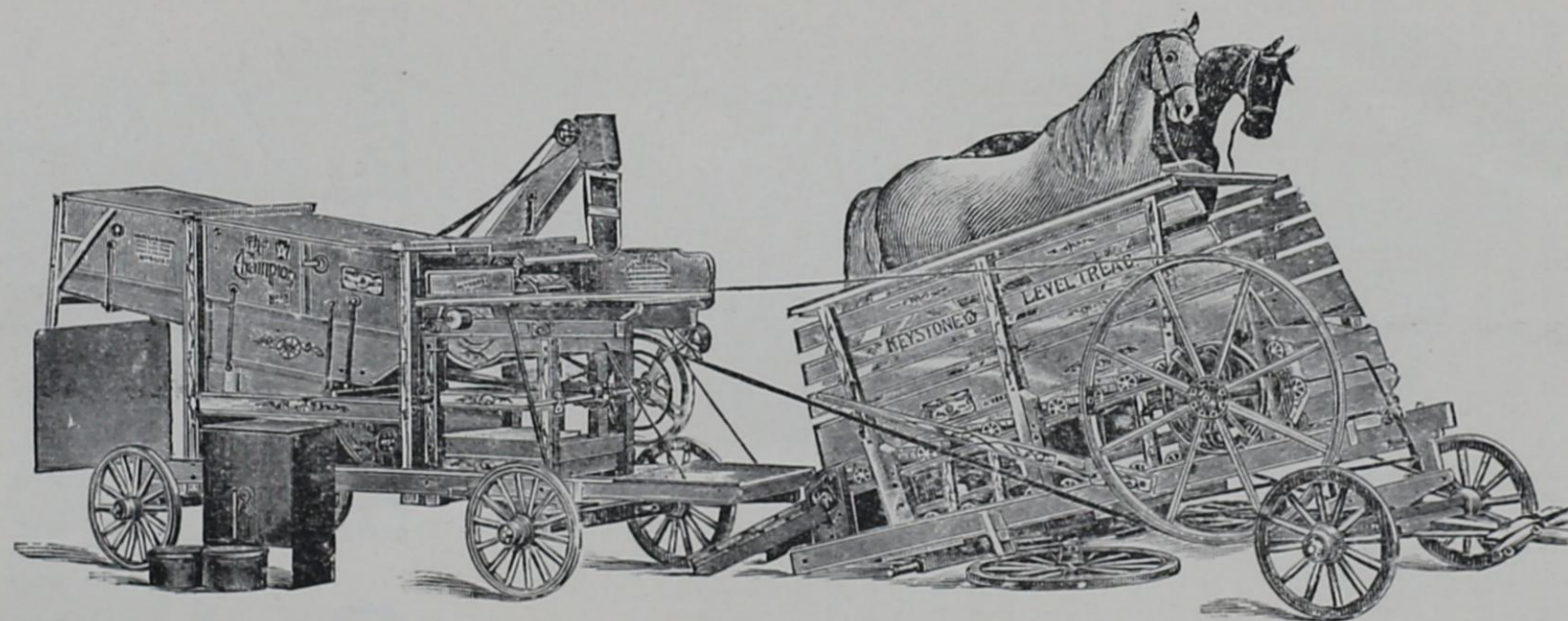
### POWER JACK.

THIS is the great labor-saving implement for the thresherman. With one hand he can raise or lower the power. The safety-latch falls in the ratchet wheel at every downward stroke of the lever, and holds the weight until another raise of the lever is made. The ratchet hook on handle and latch on top requires no adjustment with the hand, but works automatically at every stroke. It differs from all others by having a heavy cross-piece at bottom of posts, for the purpose of preventing them sinking in the ground when the weight is applied, and to avoid swaying to one side. We now put on a very strong chain made of refined iron.





# Two-Horse Keystone Level Tread Power



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## Two-Horse Double-Geared Power Thresher and Cleaner, Mounted WITH TAILINGS ELEVATOR.

The above cut represents our No. 2 Threshing Outfit. 24-inch Cylinder, 34-inch Trunk, Riddles 30 inches.  
Weight 4700 pounds. Mounted on (Warner patent) Wooden Wheels.



# — TWO-HORSE —

Double Geared Power

## Thresher and Cleaner

MOUNTED.

THE cut on page 21 represents our Two-Horse Power and No. 3 Thresher and Cleaner **mounted**, and set in position for use.

We claim many **advantages** in this machine that are **not** found in any other make, as we have them secured by **patents**, and are the sole inventors. Among our strongest claims are the following: **The gear in the power**, by which we walk the horse slower, have less friction, are smooth and quiet running, and wear much longer. The **link**, by which we form the horizontal or level tread, and place the cross rods **under** the tread block entirely out of the way of the horses' feet, effectually preventing damage to the power and accidents to the horses. The **governor**, by which the power is controlled while cleaning up the floor, cutting feed, sawing wood and shelling corn. The **direction of the blast**, which lifts the shaft upward and outward. The **patented riddles**, by which a perfect separation is effected, and no clogging of heads on wire riddle. All these improvements are explained singly in other parts of the Catalogue. This machine has gained for itself a popularity amongst threshermen by light running, fast threshing, and good, clean work, that is certainly gratifying to the farmer and the manufacturer. In some instances the thresherman has bought two machines, not being able to accommodate with one machine the numerous customers that called for his services.

The desire of the farmer to have work done with this class of machine is increasing every year, from the fact that it takes less hands to prepare it, and they can take better care of the straw and chaff. With the improvements in this machine, and the wishes of the farmers to have their threshing done with it, you can order, feeling confident that it will be money well appropriated, and having our guarantee that the machine will do what we say (if properly operated), you can run no risk in your purchase. Our track wheels are  $4\frac{1}{2}$  inches high, and we know we are right. We challenge any manufacturer to intelligently prove to the contrary.

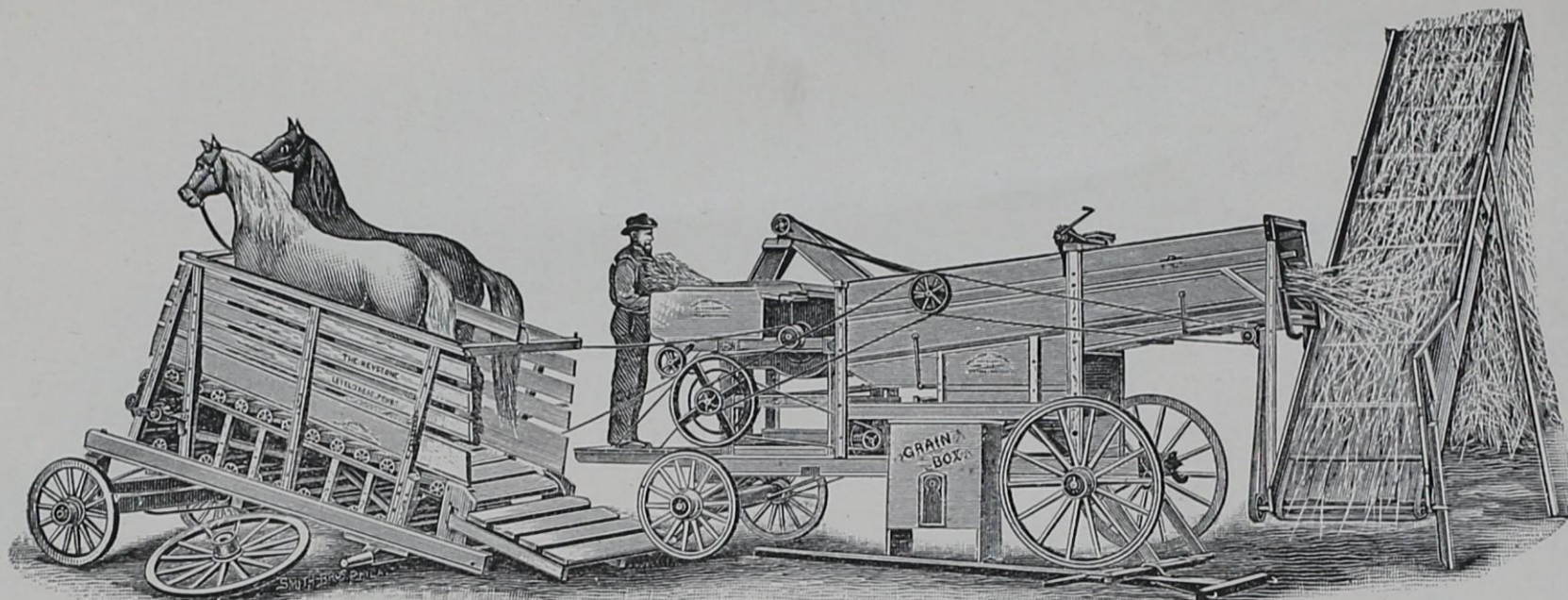


# TWO-HORSE LEVEL TREAD POWER

—+AND+—

## No. 3 Thresher and Cleaner.

MOUNTED WITH STRAW STACKER AND TAILINGS ELEVATOR.



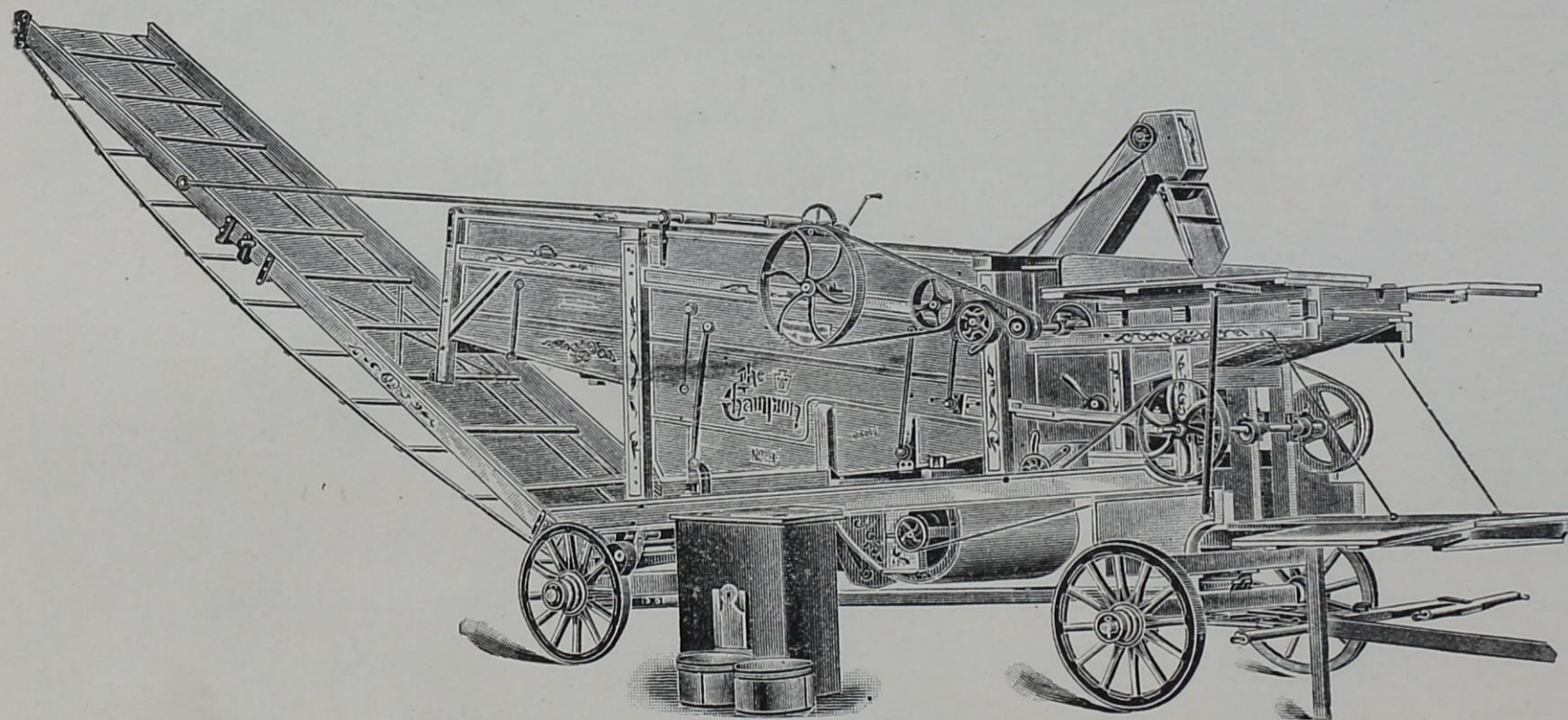
The above cut represents our No. 3 Threshing Outfit. 28-inch Cylinder, 37-inch Trunk, Riddles 33 inches. Weight, 5000 pounds. Mounted on (Warner patent) Wooden Wheels. See description page 20.




# Champion No. 4 Thresher and Cleaner, Mounted

WEIGHT 3000 POUNDS.

With Tailings Elevator, Grain Bagger and Straw Carrier.



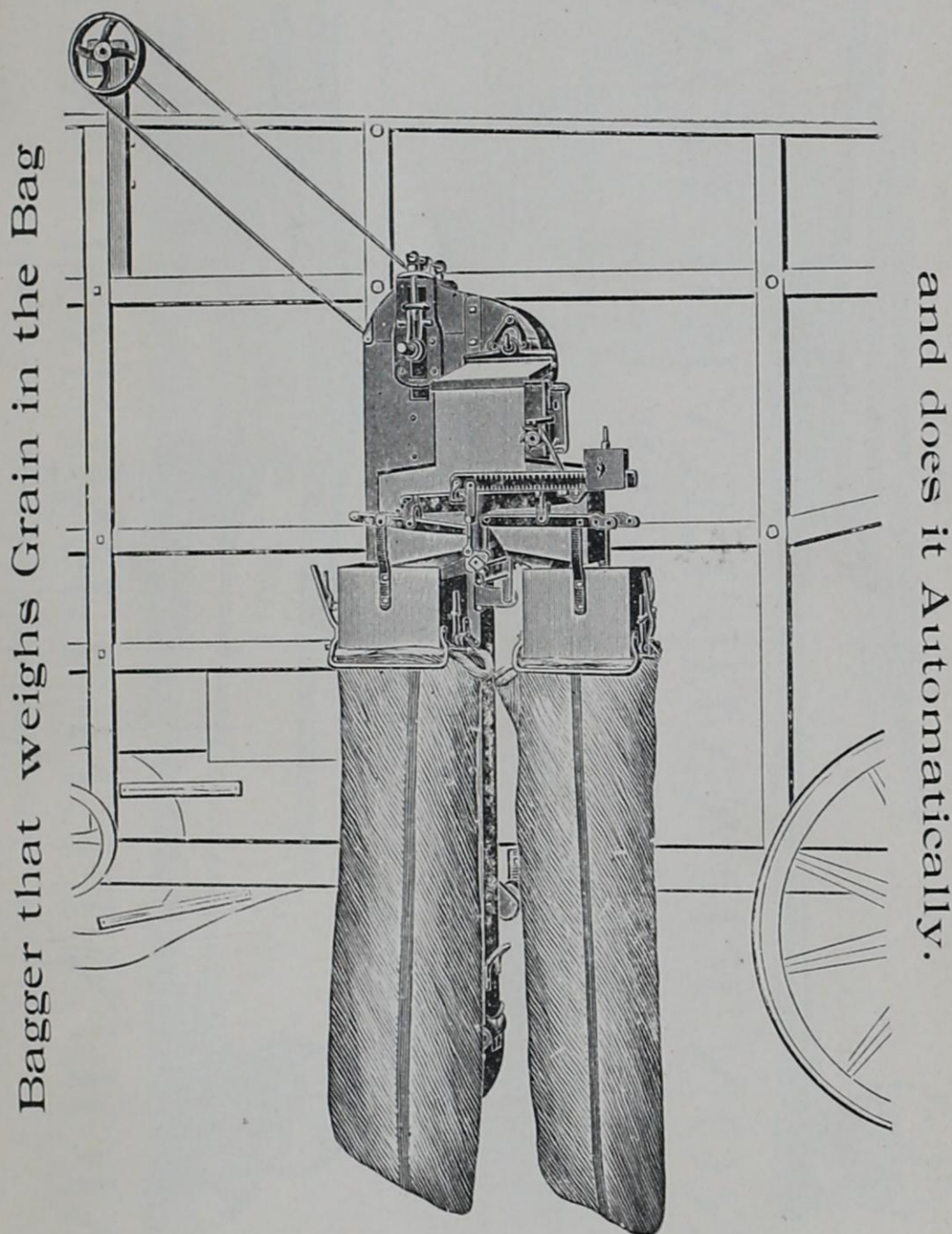
**26-inch Cylinder (undershot). Trunk, 42 inches. Riddles, 39½ inches.**

 This Separator is built upon the same principle as our smaller machines, and sold under our warranty.

For Steam or Gasoline Power.

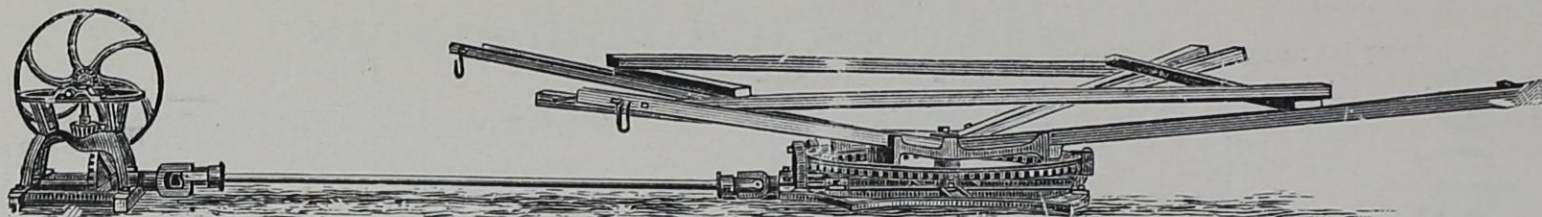


# THE SURPRISE AUTOMATIC Bagger and Weigher.



Needs attention only to put empty bags on and take filled bags off.

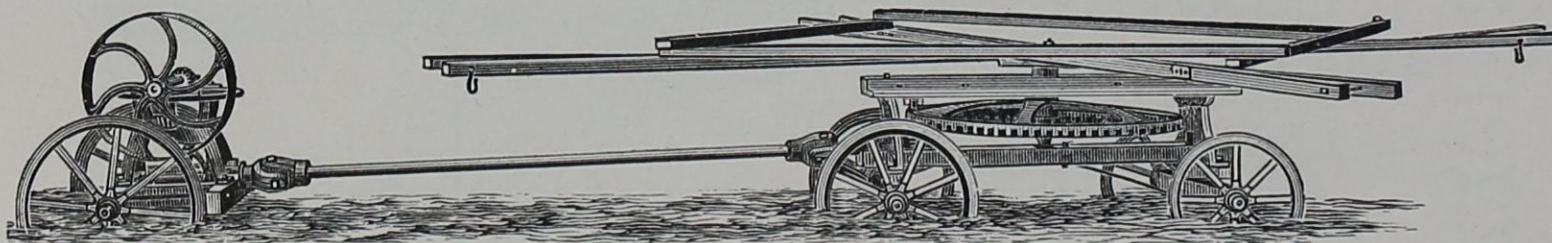
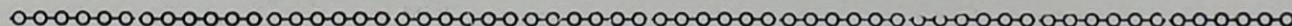




# IRON FRAME LEVER POWER.

WITH UNIVERSAL JACK.

It is only a few years that this power has been introduced to the farming public, and it has already won its laurels, and the farmers who have them in use are highly pleased with them. It is built of iron, with the exception of the levers, braces and springs, and is strongly built, durable and light running, simple in construction, only one large cog wheel and pinion being used, and either Common or Universal Jack can be used on the same; can be run with four, six or eight horses, according to size of machine used.



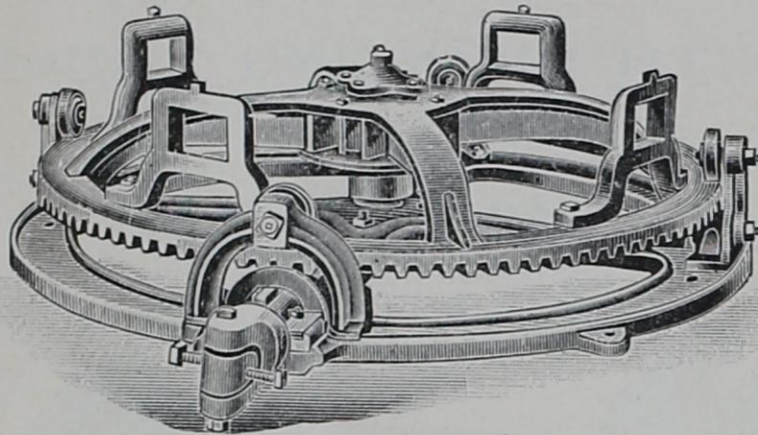
# MOUNTED LEVER POWER.

WITH UNIVERSAL JACK, IN POSITION FOR USE.



# Iron Frame Lever Power

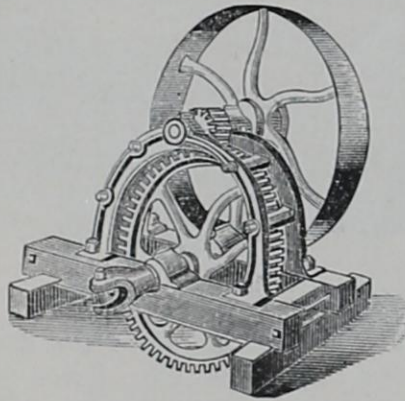
FOR FOUR OR SIX HORSES.



**T**HIS Power is carefully made and exceedingly strong. The frame being of iron, makes it very durable and a cheap power for the farmer.

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## Common Jack.



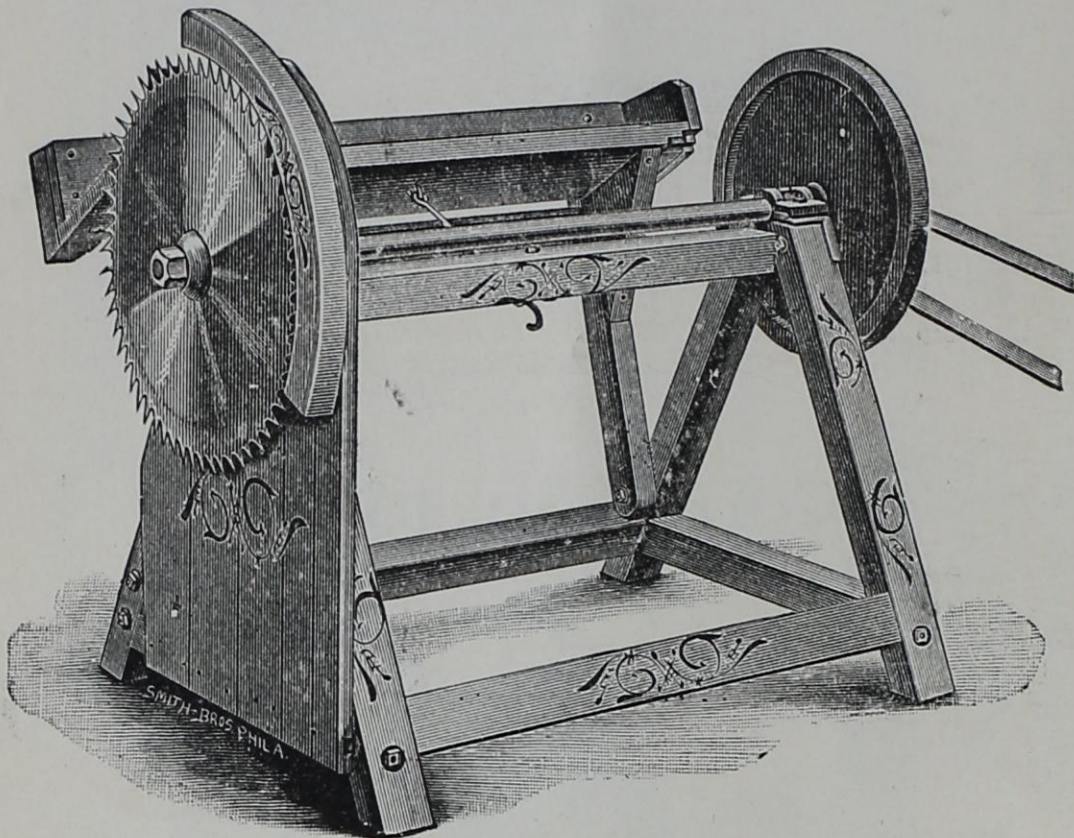
**W**E make two sizes of Common Jacks to suit any of our powers. They are strong and run easily. We make different sizes of band wheels, suitable for high or low speed.



# Circular Saw

WITH SWINGING TABLE.

Weight 285 Pounds.



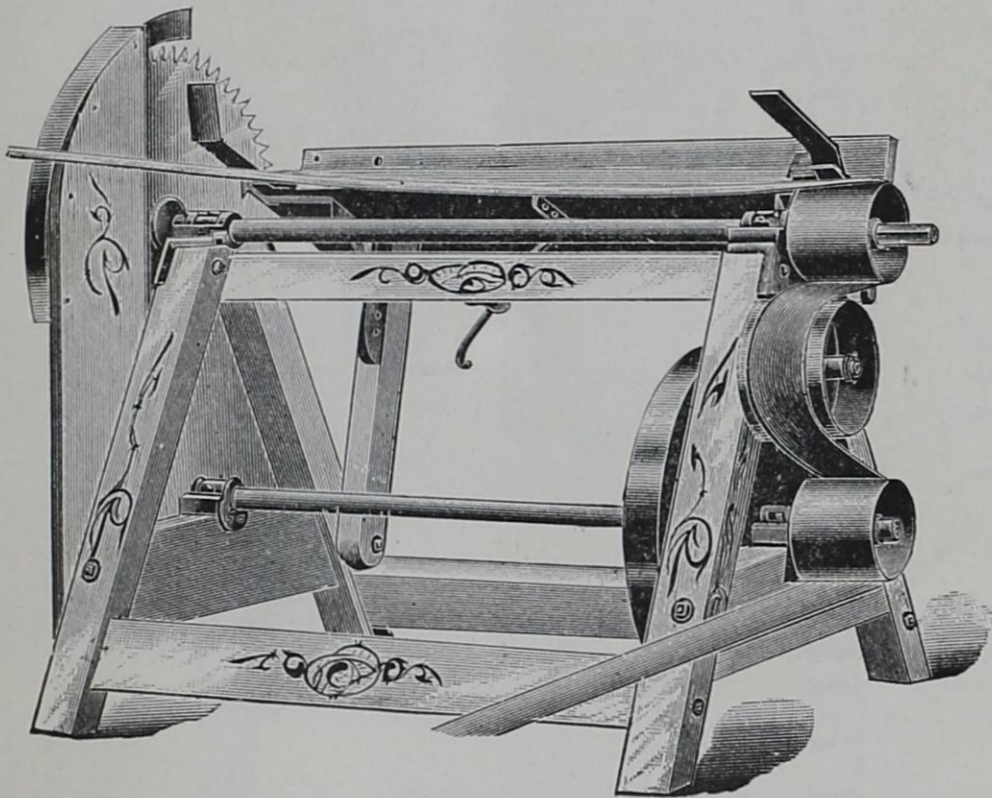
THE above cut gives you an idea of one of the greatest labor-saving machines ever invented for cutting fuel, etc. It can be run by a One-Horse Power and do a great amount of work in a day. This machine is intended for sawing cord wood four feet in length, and will be found invaluable on a farm. It has a heavy balance wheel, which is important for steady motion; and it is strong and well finished in all its parts. We recommend this machine for general farm use.



# Circular Saw Machine

WITH TWO SHAFTS.

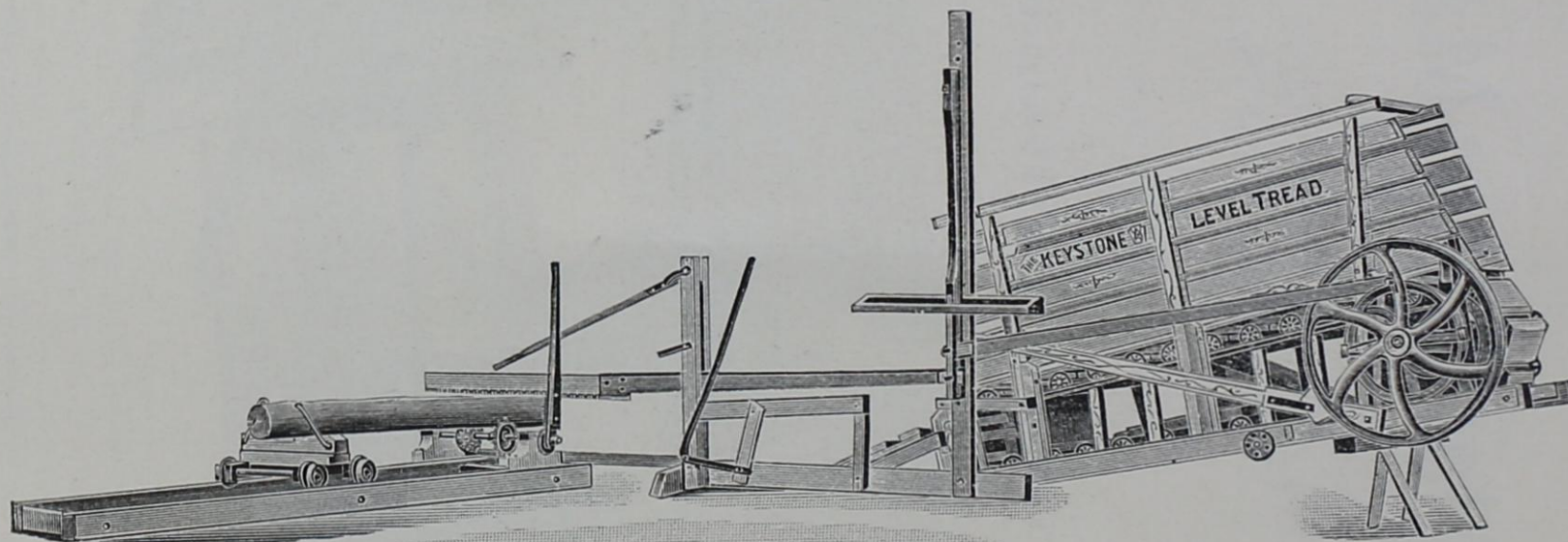
Weight 335 Pounds.



**T**HIS machine is constructed with two shafts for cutting poles, which cannot be successfully done on the page 26 machine. The balance wheel being on the lower shaft does not interfere with the pole at the end opposite the saw when the table is swung forward to make a cut.



# THE KEYSTONE Drag Sawing Machine



THE drag saw as shown in this illustration is built combined with one-horse tread-power. We also make same outfit for two-horse tread-power. This machine is used to saw logs into suitable lengths for stove wood or other purposes. Length of saw five feet.

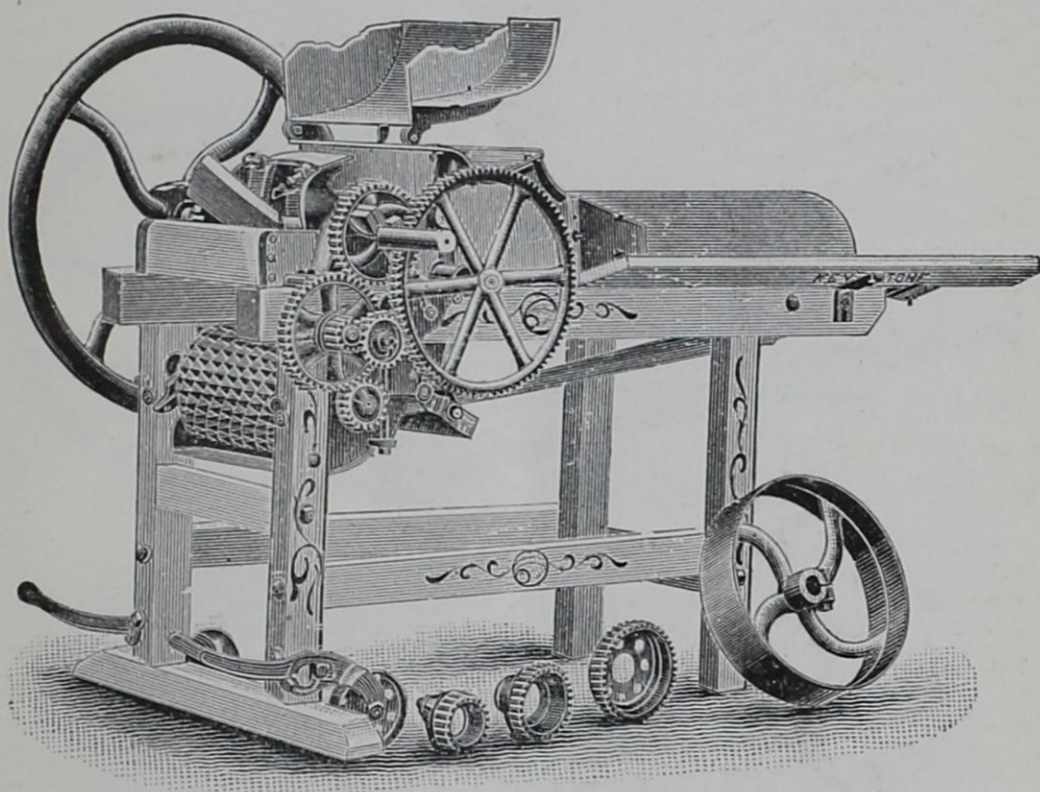


## FEED ECONOMIZER OF THE AGE.

# Keystone Fodder Cutter WITH CRUSHER ATTACHMENT.

Weight 475 Pounds.

No Sore Mouth for Cattle Where This Crusher is Used.



### KEYSTONE No. 13.

THE KEYSTONE FODDER CUTTER, WITH CRUSHER ATTACHED, has the same safety fly-wheel, band-pulley, stop feed controller, malleable knife-heads and other improvements that make our Fodder and Ensilage Cutter so popular.

For preparing food from dry fodder it has no equal. It has four knives, cutting the fodder,  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$  or 1 inch, as desired, which then passes through the crusher, making it soft and pliable, so that horses and cattle eat it all up with a relish and are not troubled with sore gums, so common among cattle when cut fodder is fed without crushing it.

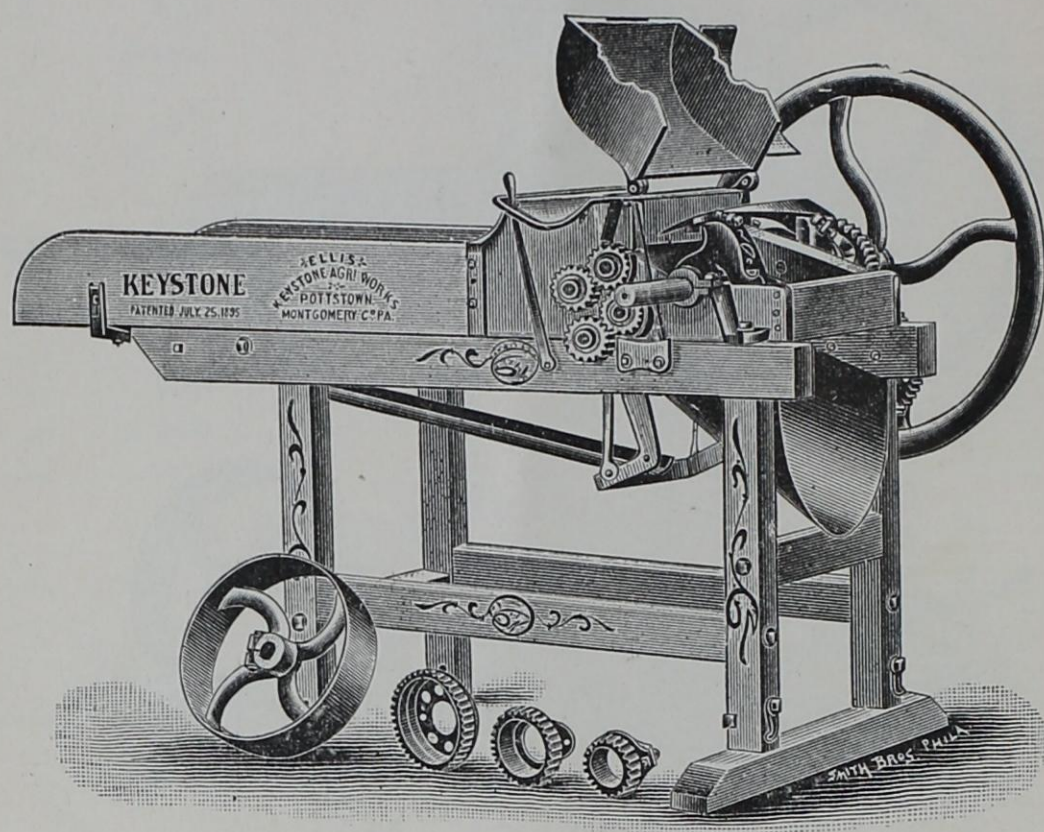
To cut feed without crushing it, remove the nut from long bolt on each side that holds the crusher up, drop crusher and place slide board over cylinder, and feed will be thrown out just as it is cut.



# Keystone

## Fodder Cutter, No. 13

Either side of table can be lowered same as shown in other cuts. Interchangeable Fly Wheel and Band Pulley. Weight 435 pounds.



Length of cut,  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$  and 1 inch. With two knives the cut can still be varied.

**Points:** The Hood is of iron, with guard extending over bearing. Knives of the best steel, well tempered, securely bolted to knife-head and readily adjusted with set screws. Bevel is on outer edge of knives, preventing useless friction and also making them more easily sharpened, either by filing or grinding. Malleable knife-heads of herculean strength. Breast plate is of hardened steel with four edges. Feed rollers will allow any size ears of corn to pass through. Either of the upright sides to the table can be lowered to an angle of 30 degrees, making it a most desirable table to feed from, as it gives the operator room to handle the fodder, and the slope of the side prevents it from sliding on the floor. The frame is carefully made of seasoned hard wood and is very strong.



No. 16  
**KEYSTONE ENSILAGE  
and FEED CUTTER**

16-INCH KNIVES, WITH SELF-FEED TABLE.  
Weight without Carrier 650 pounds.



This is our popular size for general power work. It is substantially constructed, with sufficient capacity for silos, and it will cut dry corn fodder or hay very rapidly.



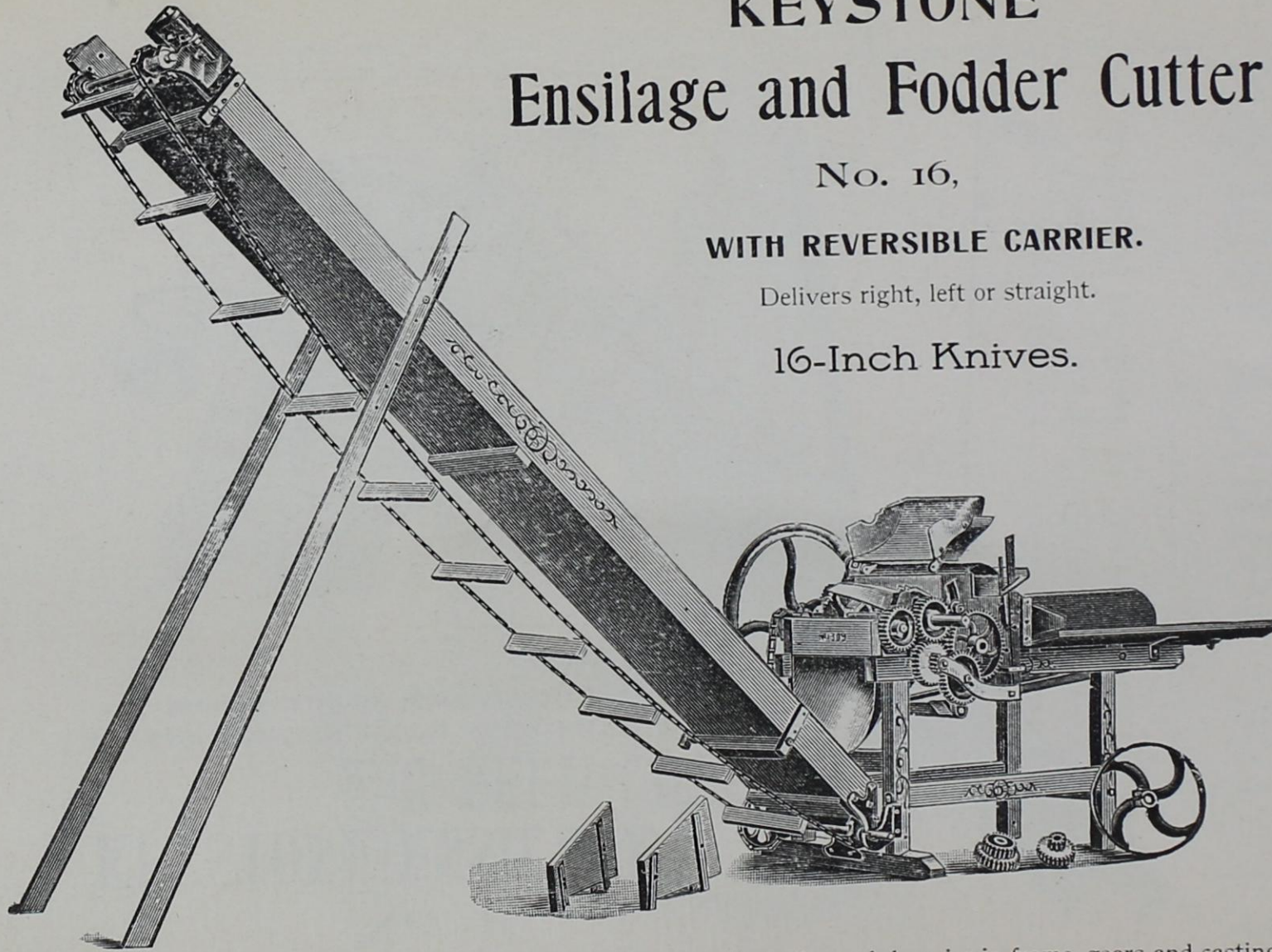
# KEYSTONE Ensilage and Fodder Cutter

No. 16,

**WITH REVERSIBLE CARRIER.**

Delivers right, left or straight.

16-Inch Knives.



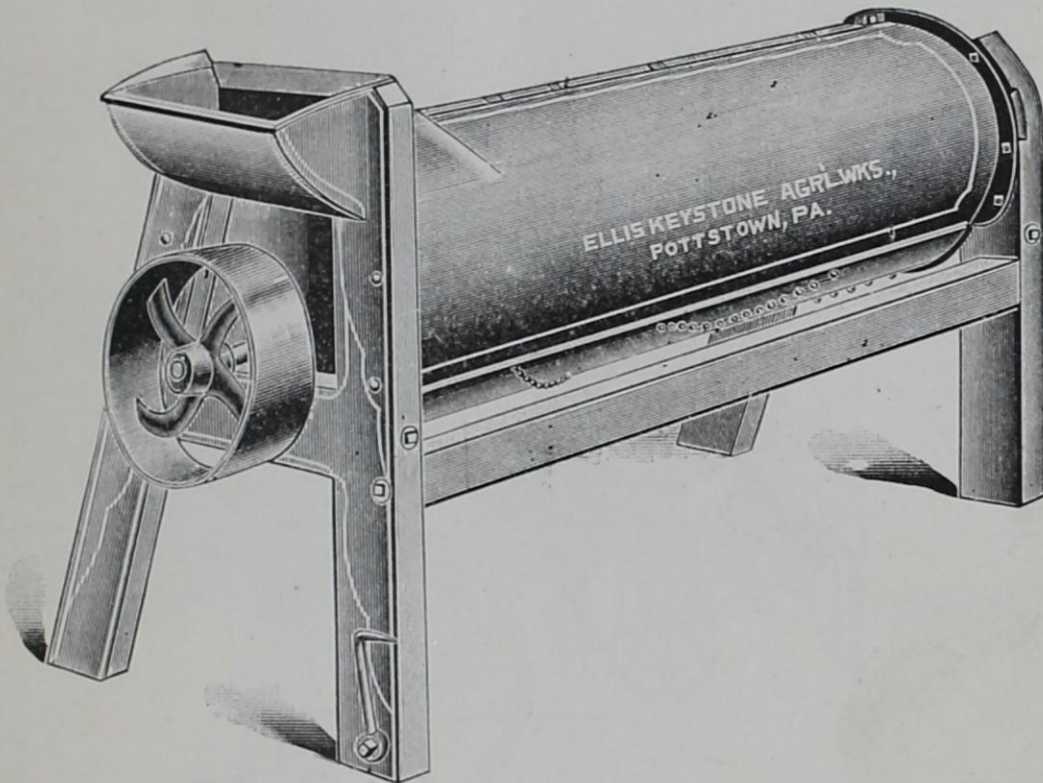
The Keystone No. 16 has all the improvements of our No. 13 and is built much heavier in frame, gears and castings, and is designed for heavy work.



— THE —  
Cannon Corn Sheller.



Capacity 80 to 100 bushels per hour.

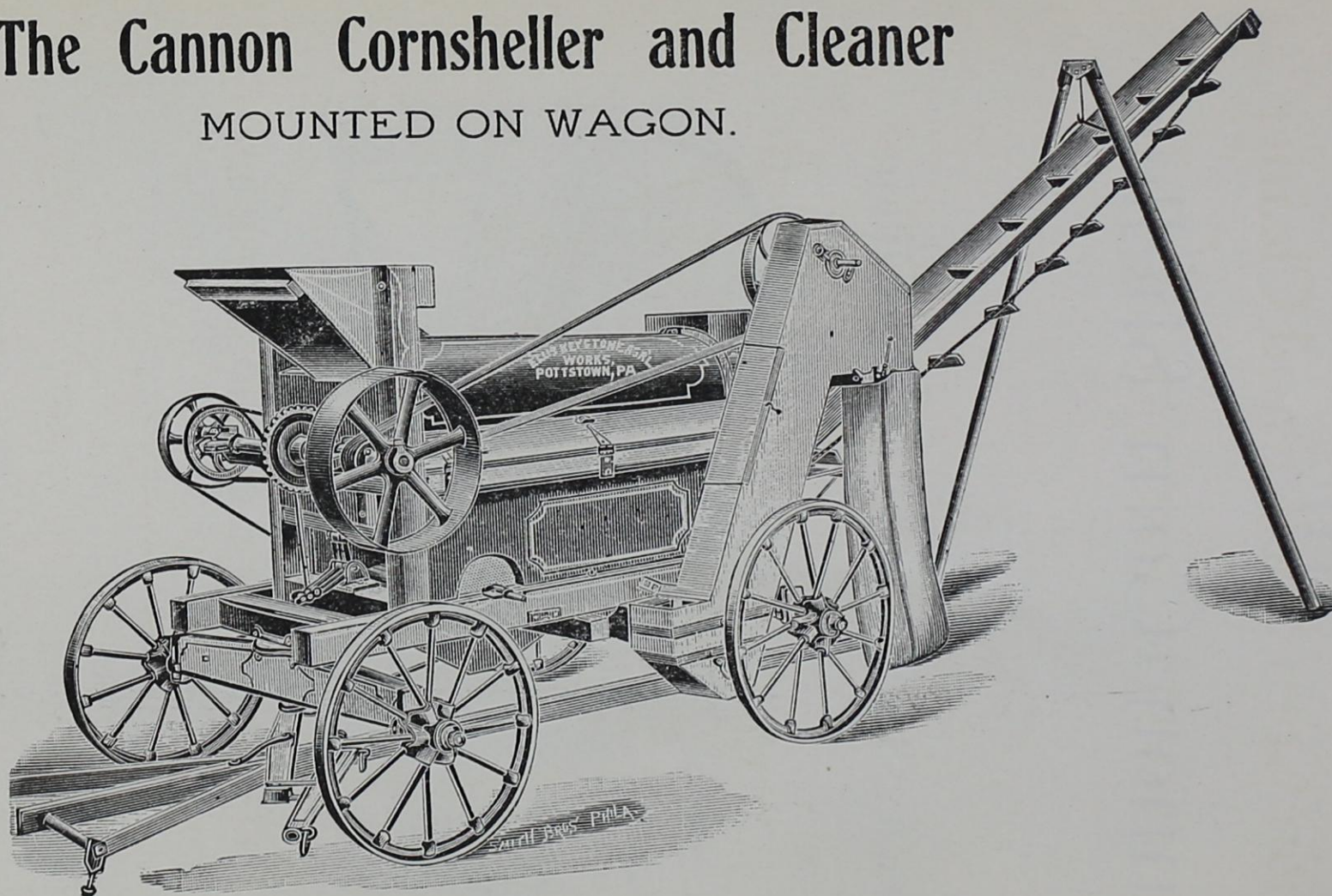


**T**HIS is one of the best power shellers manufactured. It is simplicity itself, there being no wheels or gearing whatever to get out of order. It does its work thoroughly, separating the cob from the corn and leaving the cobs nearly all whole.



# The Cannon Cornsheller and Cleaner

## MOUNTED ON WAGON.

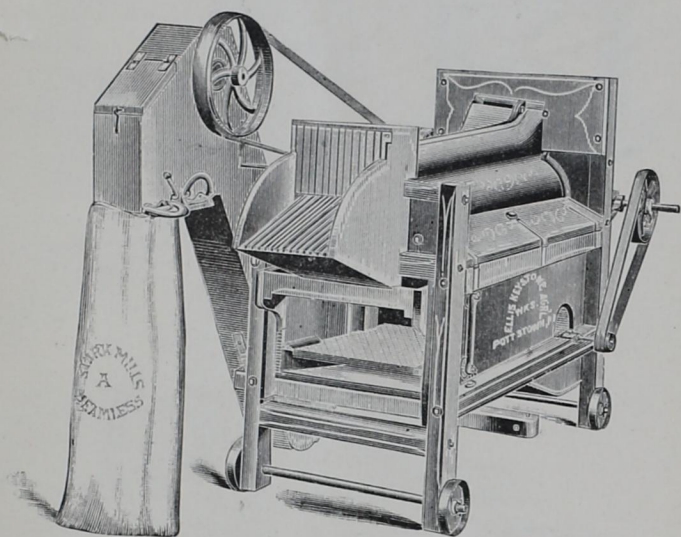


**T**HIS machine is strong and well-built. It is guaranteed to compete with the best sheller in the market for doing good work. It requires from two to four-horse power, according to the corn and the amount you wish to shell in a given time. Its full capacity is 100 bushels per hour. The cylinder must be run at about 400 revolutions per minute to do good work. We can furnish this machine with or without cob-carrier.



# Cannon Corn Sheller and Cleaner

## WITH BAGGER.



MOUNTED ON FOUR CAST-IRON WHEELS

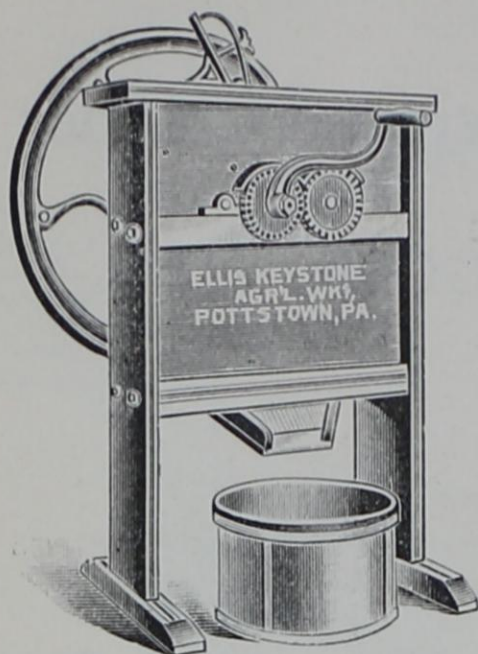
This is a convenient and cheap mounting for barn use.

Capacity 80 to 100 bushels per hour.

Speed of cylinder, 400 revolutions per minute.



## THE POTTSTOWN CORN SHELLER.

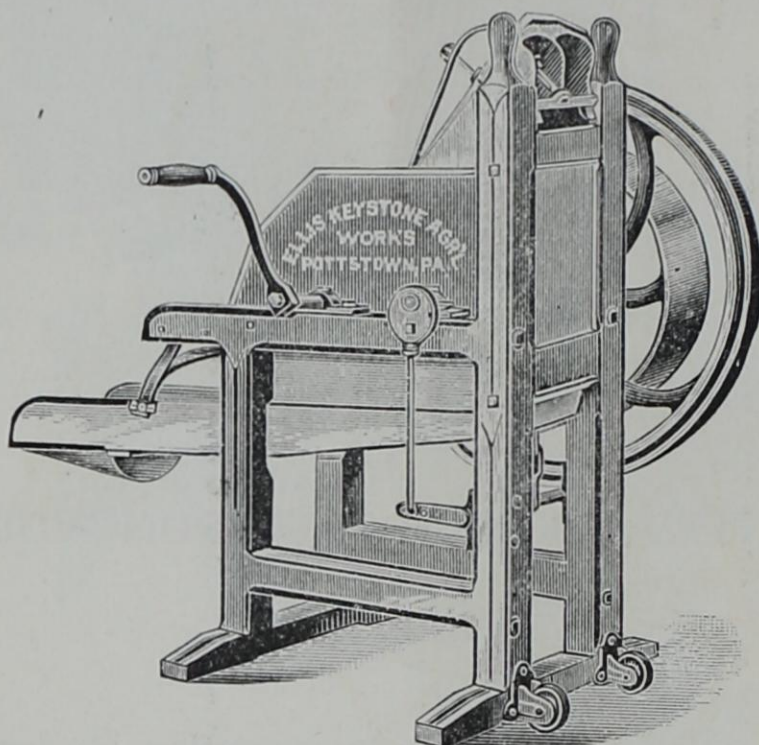


Single Hand Sheller.

Capacity, 150 bushels per day.

THIS sheller is furnished with or without screen. It is adapted for all sizes of corn, and made either right or left-hand, discharging the corn underneath and the cob in front of the sheller.

## DOUBLE CORN SHELLER.

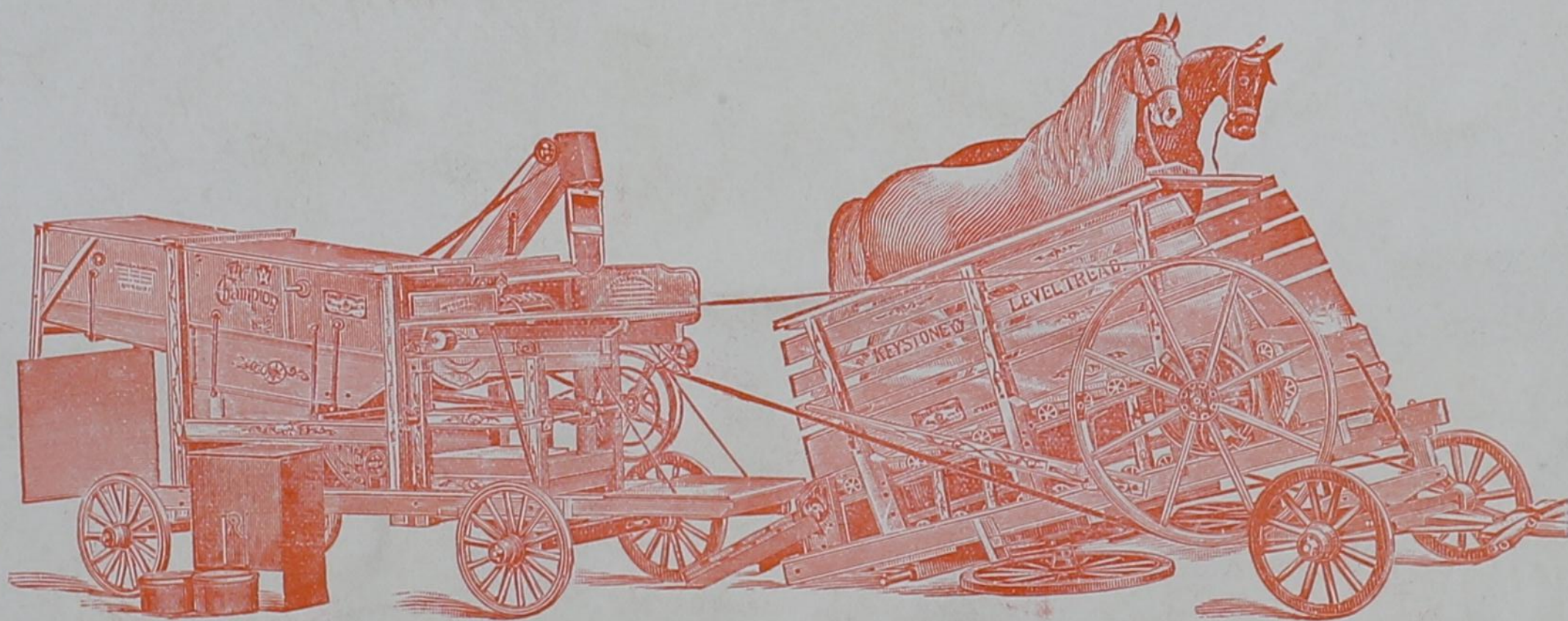


Capacity by power, 600 bushels of shelled corn per day ; by hand, 200 bushels per day.

We guarantee all our shellers to shell clean and not choke.  
They will shell any size corn.



# Horse Powers



## Threshers and Cleaners

FODDER CUTTERS

Agents Wanted in Unoccupied Territory



