

ILLUSTRATED AND DESCRIPTIVE
CATALOGUE

—OF—

HEEBNERS'

—PATENT—

Level-Tread Horse Powers,

Little Giant Threshing Machines,

THRESHERS & SHAKERS,
DRAG AND CIRCULAR SAW MACHINES,
UNION FEED CUTTERS, ETC.

—MANUFACTURED BY—

HEEBNER & SONS,
Lansdale, Montgomery County, Penn., U. S. A.

REPORTER PRINT, LANSDALE, PA.

HEEBNERS' DOUBLE-GEARED LEVEL-TREAD POWER AND LITTLE GIANT THRESHER, MOUNTED ON WHEELS.



◀ TO THE PUBLIC. ▶

WE take pleasure in presenting our annual catalogue, and believe that it merits your careful examination. In it we give illustrations and brief descriptions of the machinery that we manufacture.

Our machines are all strictly first-class in every respect. We employ skilled workmen, and use the best material in their construction. Our Level-Tread Horse-Power and Little Giant Thresher are familiar names in every section of this country, and they are in use on every continent of the globe.

The best proof of their usefulness is the great and constant growing demand for them, and the best proof of their superiority is that the demand is the greatest where they are the most used.

We have recently added a number of improvements that are fully described in the proper places in this catalogue. Every machine has been thoroughly tested, and its superiority established beyond a doubt.

HEEBNER & SONS,

LANSDALE, PA., U. S. A.

Heebners' Level-Tread Horse-Powers.

The Most Valuable Horse-Power Ever Introduced.

THREE SIZES—For One, Two and Three Horses.

TWO STYLES—Double and Direct Geared.

OUR Improved Oscillating Rim Speed-Regulator, illustrated and described on pages 10 and 11, is attached to all our powers.

The Level-Tread Plank (or lag) is an improvement that is peculiar to our power, and distinguishes it from all other horse-powers.

Realizing the great importance of our improvements (the level lag and speed regulator) by the revolution they are making in the use of railway horse-powers, our competitors in their declining trade have been forced to admit the superiority of these improvements by their efforts to devise imitations. We have several patents for this invention, which entirely cover the use of the level lag, however made or applied in horse-powers, and all powers **having** level lags, and not made by us, are infringements on our patents, and all parties using such powers are liable to us for damages, so it is best for all who buy powers claiming to have the level-tread to see that the name of **Heebner & Sons** is stenciled upon them. We shall protect our property and prosecute all infringers to the full extent of the law.

The lags are made of rock maple, and are $2\frac{1}{2}$ inches thick, **dressed on both sides**; they are $7\frac{1}{2}$ inches wide, with the corners taken off in such a manner as to prevent the horses from catching their calks in the joints. They are connected by iron links at each end, which are arranged in such a manner that their rear edges are raised $1\frac{1}{2}$ inches, making them level when the power is in position for use. **No bolts, screws nor rivets** are used in the lags; they are attached to the links by tenons on the end, that enter mortises in the links.

The lags being level, the **horses' feet are always in a natural position**, and all strains in their feet and legs consequent when working on other powers are entirely prevented on our powers. **It is not necessary for the horses to be shod at all**, as they can work on this power

without shoes and not slip. This is an advantage of very great importance that our level-tread has over all other tread-powers; it is the constant fear of slipping that makes much of the hard work for horses on other powers; their nerves are constantly strained up, which takes their strength. **Our level-tread is the only power on which oxen can be used without shoes.**

Our improved lag-links are strong and durable, and will out-wear any other kind. They are connected by means of steel cross-rods passing along under the edges of the lags their entire length, passing through the ends of the links, and extending beyond them far enough to receive the track-wheels. These cross-rods are of fine steel, made especially for this purpose, and are placed in such a position that the horse cannot step on and bend them, consequently they are always in line. Horse-powers that have the track-wheel axles bolted or riveted to the ends of the lags soon begin to run hard, on account of the friction caused by the sagging of the lags; the axles become loose on the lags, and springing up, the wheels are forced out of line, subjecting them to heavy wear and friction.

The arrangement of the Lags is such as to prevent the horses from stepping on and bending the cross rods, which would throw the track-wheels out of line, and cause a great amount of friction and unequal wear in the rods, wheels and tracks. This serious objection to most railway powers is entirely overcome **only** in our Improved Tread.

The hubs of the **Track-Wheels** are not bored through; this prevents the cross-rods from wearing at the shoulder and working through the wheels, causing extra friction along the sides.

The Tracks, which are of solid iron, are constructed in such a manner that all side friction with the track-wheels is entirely prevented.

The advantages of the Level-Tread over the Old Style of Tread-Powers are these: **The horses will not slip**; their feet are always in a natural position, and strains in their feet and legs are prevented; **the horses can work without shoes**, and the expense of keeping them sharp shod, or even shod at all, to prevent them from slipping, is avoided. The horses being smooth shod or not shod at all, **the lags are not subjected to much wear**, and will last much longer than the common powers, where the horses have to be kept sharp shod to prevent them from slipping. In short, it saves the horses.

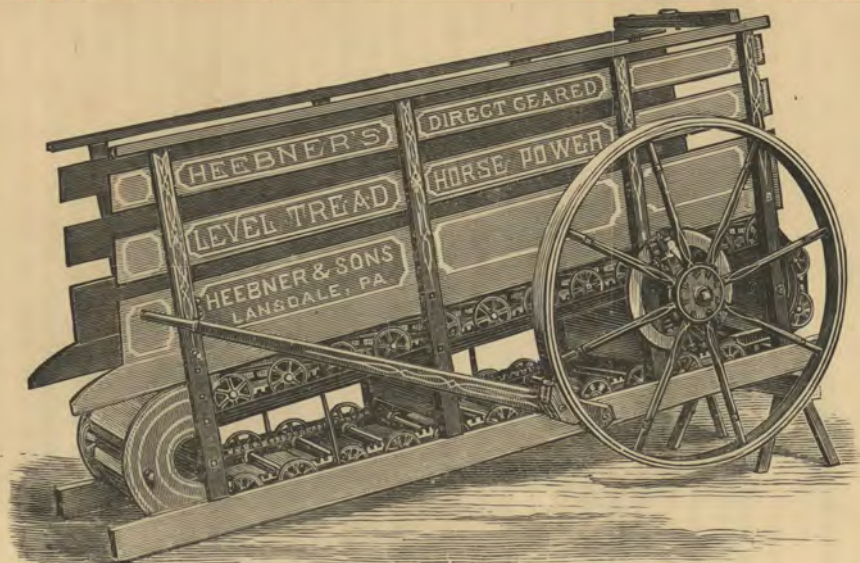
The Patent Level-Tread and Speed Regulator render our power vastly more valuable than any other horse-power ever made, and this is saying a great deal, for there are in the market several other good horse-powers, but no other has the above improvements, now acknowledged by all to be so essential to a railway power.

HEEBNER'S "DIRECT-GEARED" LEVEL-TREAD POWERS.

We have Four Patents on this Style of Power.

Beware of Infringements.

Powers without Extra Charge. Track-Wheels
5½ inches in Diameter.



The SPEED-REGULATOR is not Connected to
the Band-Wheel. It is attached to all our

CUT OF DIRECT-GEARED LEVEL-TREAD POWER FOR ONE HORSE.

We make One, Two and Three Horse-Powers of this style. Of all Improvements ever made in Horse-Powers, of whatever kind, our Direct-Geared Power excels them.

Heebners' Direct-Geared Level-Tread Power.

THE chain links in the direct-geared power have cogs on them, and they pass over pinions on each end of the band wheel shaft, by which the band-wheel receives its motion. The power is made strong and durable; the lags are dressed on both sides and made perfectly true. This prevents friction by their not binding in the joints, and thus allows the platform to rotate with great ease. The track wheels and links are made of the best quality of cast-iron. They are very strong and cannot break unless by some unusual cause. The cross-rods are steel. We recommend this style of power for general purposes; it is not as heavy as the double geared, costs less and is easier handled. Simple in its construction and not liable to break or get out of order.

The level lag does not cause the horse to change his gait in the least. The rear edge of the lags are raised
1 1/2 inches to make them level, conse-
quently the horse walks in
his natural gait.

No other Horse-Power is so Simple in Construction.=====

===== No other Horse-Power can successfully Compete with it.

The two and three horse powers are so arranged that the band-wheel can be used on either side; but the one-horse power is thus made only when ordered.

Size of band-wheel, 4 ft. 4 in., and an extra size, 4 ft. 8 in., is furnished when ordered.

Size of track-wheel,	-	-	-	-	-	5 1/2 inches.
Weight of One-Horse Direct-Geared Power,	-	-	-	-	-	900 lbs.
" " Two-Horse " " " "	-	-	-	-	-	1,600 "
" " Three-Horse " " " "	-	-	-	-	-	2,300 "

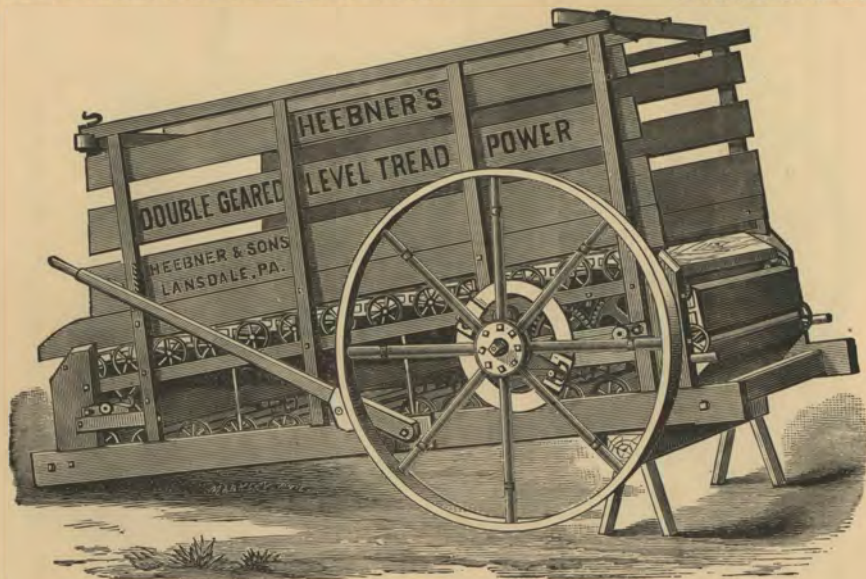
HEEBNERS' DOUBLE-GEARED LEVEL-TREAD POWER.

The Easiest Running Power in the World.

We have Five Patents on this Style of Power.

Beware of Infringements.

Because they are Protected by Guards.



The Horses Cannot Step on the Lag-Links,

The Speed-Regulator IS NOT Connected with the Band-Wheel. We make only One and Two-Horse Powers of this style.

Heebners' Double-Geared Level-Tread Powers.

OUR Double-Geared Powers are provided with a reel at each end, which carry the endless platform (or chain) around at the end and allow the track-wheels to leave the track at the ends, giving them the opportunity to exhaust their motion in the direction which they are running when they leave one track, so they are ready to turn in the opposite direction when they reach the other track; by this arrangement no power is lost when the wheels change their motion. It also prevents the jarring and pounding there is in other powers. This power runs very quietly.

The band-wheel receives its motion by gearing from the front reel shaft.

In ordinary work the horses walk at a rate of **less than 1½ miles per hour**, well adapting the power to the use of oxen or slow-walking horses. The Two Horse Powers are **geared on both sides**, with the shafts extending across the power, making the power run easier and with less liability to wear. The gearing is well protected from dirt by **iron shields**.

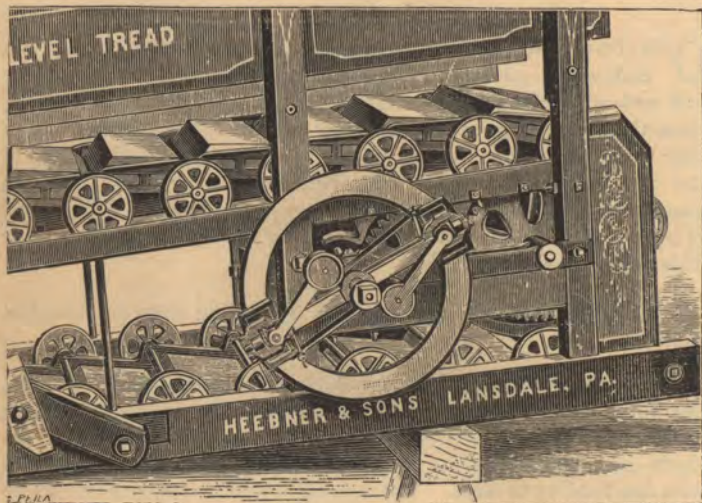
Weight of One-Horse Powers,	-	-	-	1,000 lbs.
“ Two “ “	-	-	-	1,900 “

Track-wheels, 5½ inches in diameter. Size of band-wheel is the same as that of the Direct-Geared Powers, and like those can be used on either side, except the One-Horse Power.

We also make Double-Geared Powers to Run Undershot Threshers.

These Powers do not have the intermediate gear, which causes the band-wheel to run in an opposite direction from that in our regular powers.

SIDE VIEW OF THE FRONT END OF
Heebners' Level-Tread Double-Geared Power,
 With Band Wheel removed to show the New Speed Regulator.



DO not be deceived by persons who represent that they make level-tread powers equal to Heebner & Sons'. **They do not. They are base and inferior imitations.**

We are the first and only inventors of the level tread plank (or lag) as applied to horse-powers, and as applied in our own powers their construction and arrangement is perfect. Other manufacturers infringe our patents by making powers with level lags; but they construct and arrange them in a very imperfect manner. The lags are placed in such a way, that, when but a little worn, the horses will get their toes between them, and step on and bend the cross-rods, throwing the track-wheels out of line, and causing a great deal of extra friction and wear; and also, if the horses' shoes have high toe-calks, they will, at times, get caught between the lags and endanger the horses. The front end of the lags is left square, so that the horses will sometimes stumble. The manufacturers advertise these machines as being level tread powers; so they are in name, but are **inferior imitations** of our invention, and we caution the public against using them, as they will be liable to us for damages.

Heebners' Patent Improved Speed Regulator.

(ILLUSTRATED ON THE OPPOSITE PAGE.)

THIS is a very valuable invention which we attach to our Powers. It prevents the speed from accumulating beyond a certain point, to which the regulator is adjusted to run, and when that point is reached the power runs on without any further increase of speed. By means of this important improvement our powers can be used to run any kind of machinery to which they may be attached.

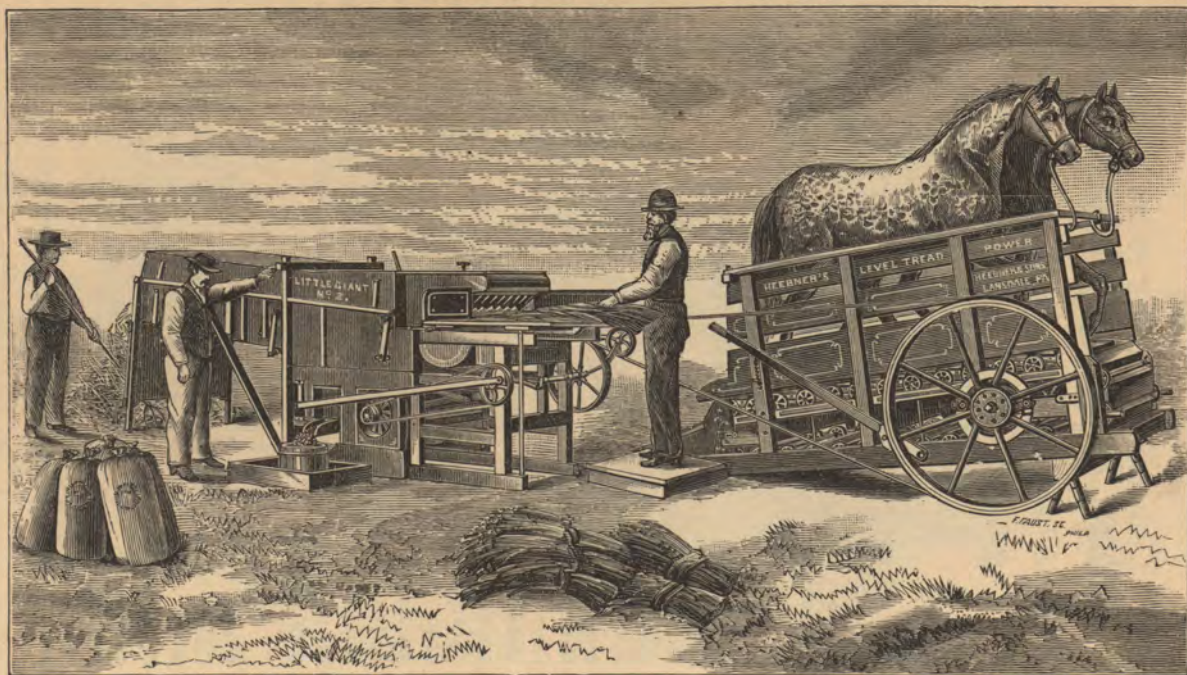
THE REGULATOR

Consists of a flat oscillating rim fastened to the frame of the power, and a spider which is placed on the band wheel shaft inside of the band wheel. The spider has a weighted lever and a wooden friction block at each end; as the shaft revolves the spider revolves with it, but the rim remains stationary. The weights are thrown outward by the centrifugal force; as they do so, they turn a small cam that operates against the wooden friction block, pressing them against the rim, causing a friction which checks the speed. The weights are controlled by springs, and the springs are adjusted by a bolt and nut. If the springs are screwed down the weights do not fly out so readily, which allows the speed to get up to a higher rate; but if the springs are loosened, the weights will fly out more rapidly and check the speed quicker. The regulator will not stop the power, but will check the speed when it has reached the point to which it is adjusted to run; it will then run on at that rate with regularity.

The great value of the Regulator is obvious; it prevents the horses from being forced out of the power and injured in case the band is thrown off the band-wheel; or if the band-wheel should by any means break. It also prevents the necessity of a man holding the brake to check the speed when the machine which the power is running is not at work. A perfect knowledge of the great value of this invention is best obtained by its use.

It is not Attached to the Brake or Band-Wheel.

HEEBNERS' PATENT LEVEL-TREAD POWER AND LITTLE GIANT THRESHER.



Little Giant Threshing and Cleaning Machine.

THE LITTLE GIANT is a strong and durable machine; does its work very fast and in an excellent manner. We make

TWO SIZES—No. 1 and No. 2.

The **Cylinder** is made of wrought iron bars placed across from end to end; these bars are very strong, and have square holes into which the teeth are nicely fitted to prevent them from turning, and are secured with nuts on the inside.

The cylinder runs independently, no part of the machine being run from it. This saves the power and enables it to get speed quicker.

The **Concave** is of cast iron and very strong. It has five rows of teeth which pass through the iron bed and then through a wooden bolster two inches thick and each secured with a nut. The wood bolster relieves the iron bed from local strains, and prevents any liability of its breaking when stones or other hard substances get into the machine. The concave is made in two parts; one of the parts, which has two rows of teeth, can easily be removed when desired, and a blank with no teeth put in its place. This is done to save power when all the teeth are not needed. In sections of the country where the grain is mowed all the teeth in the concave are always needed to thresh clean; also, stones and roots are apt to get into mowed grain. For this work we make a concave of one solid piece of great strength to resist the stones, etc. Our New England trade always require this concave, and it is always put into machines going into that section, unless otherwise ordered. In other sections of the country the two-part concave is always sent, unless otherwise ordered.

The **Sides of the Thresher** are of solid cast iron, strong and durable.

THE PATENT DUSTER.

This is arranged so that the motion of the cylinder **sucks in the dust** away from the feeder and carries it off with the straw at the rear

end of the machine. Every thresherman will at once see the great value of this improvement.

The Shaker has a galvanized iron bottom of great strength and durability, and is provided with a series of beater forks, which thoroughly beat the straw from the under side as it passes out of the machine, so that no grain can get out with the straw. The shaker shaft has two cranks on opposite sides. One crank drives the shaker and the other the cleaner shoe, each counterbalancing the other, which prevents the machine from shaking.

The Patent Revolving Apron is illustrated and described on page 18. It is a valuable improvement recently added to our machines. It pulls the straw away from the cylinder and stops the grain from going out with the straw.

Illustrations of the threshers on pages 2, 12 and 17 do not show this improvement, as those cuts were made before the apron was adopted. We now put it into every machine.

The Self-Adjusting Wind Regulator gives to the fan in the cleaner a uniform supply of wind **without regard to speed**. If the speed is slow the regulator lets in more wind, and as the speed increases the wind is shut off. The regulator is operated by the action of the fan, but by a simple arrangement it can be easily adjusted to have a greater or less quantity of wind as desired, and this adjustment can be made when the machine is in operation.

The Tailings Elevator, the Bagger and Straw Stacker are all extra attachments and are furnished with the machines only when ordered. See price-list.

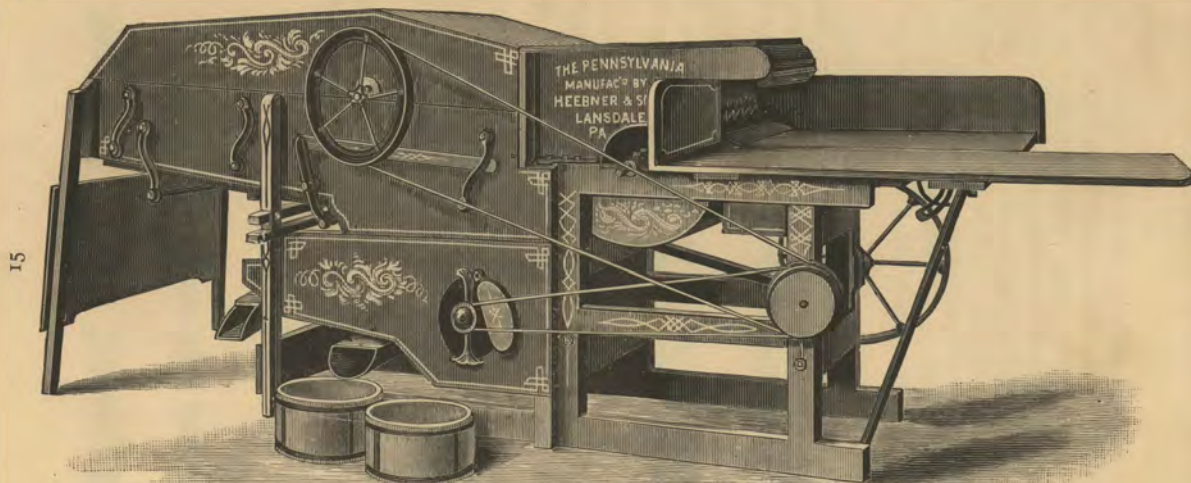
The Cleaner Shoe is strong and durable. Each machine has a shaker support at the rear end that stops the chaff and prevents it from mixing with the straw.

No. 1 Little Giant is for two or three horse power; size of cylinder, 17x30 inches; weight, 1300 lbs.

No. 2 is for two horse power; size of cylinder, 17x26 inches; weight, 1200 lbs.

These Machines are all Arranged to be Run on Either Side.

HEEBNERS' PENN. NO. 3 ONE-HORSE THRESHER AND CLEANER, WITH PATENT REVOLVING APRON.



For a description of this Machine and the Patent Revolving Apron see pages 16 and 18.

The Penn. No. 3 One-Horse Threshing Machine,

WITH PATENT REVOLVING APRON.

IT threshes and cleans all kinds of grain. No other machine can do the work any better.

It has been our aim to get a machine that would be simple in its construction and yet be strong and durable; to do a great amount of work with only one horse in the best possible manner, and at a cost to come within the means of small farmers.

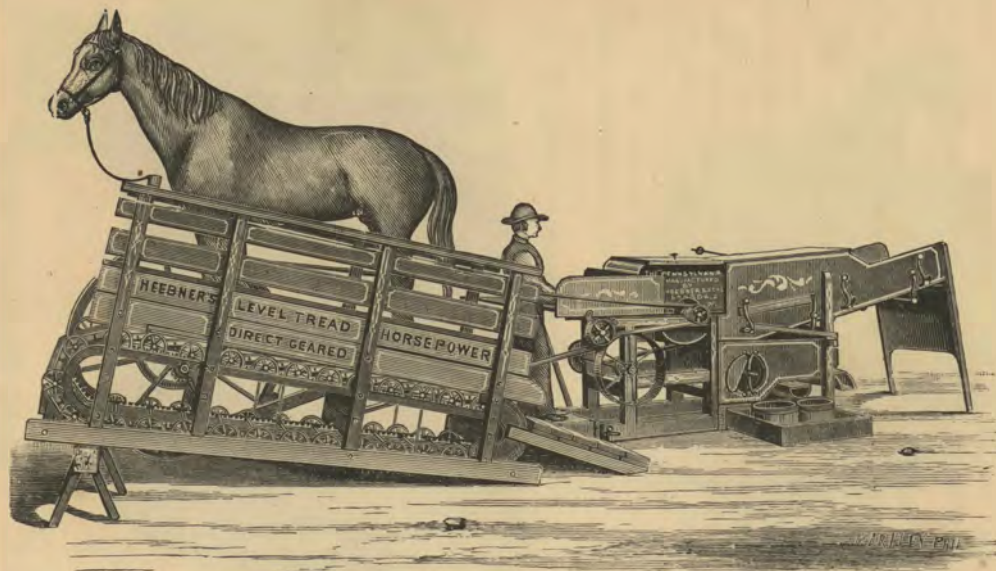
We are pleased to state that we have achieved all these points in the Penn. No. 3, in proof of which we have the testimony of hundreds of farmers who have used them for the past three seasons.

It is made to run by our Patent Level-Tread One-Horse Power, but can be run by any other power that has pulleys of suitable size to get the required speed.

It has a wrought iron bar cylinder, 21 inches long, with steel teeth. It also has our patent dust sucker. The concave can be adjusted without stopping the machine. The shaker bottom is made of the best galvanized bloom sheet iron.

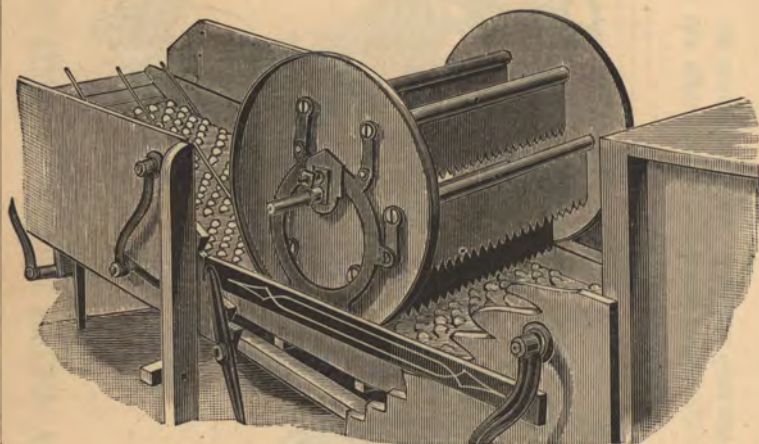
It also has our patent Revolving Apron to stop the flying grain and take away the straw from the cylinder. The fan is adjusted to different rates of speed. The clean grain is delivered into a half bushel measure on either side of the machine desired. The machine is very simple in its construction, runs easily, and will thresh and clean 75 to 200 bushels of grain per day, and no other threshing machine of whatever kind or size can do the work any better. When not in use it can be taken apart into three pieces and packed snugly away. The power can be used for other purposes. Try it and it will please you. Weight, 1000 lbs. See next page.

HEEBNERS' PENN. NO. 3 ONE-HORSE THRESHER AND CLEANER, WITH DIRECT-GEARED POWER.



This is the most perfect one-horse threshing rig ever brought into use. For description see following page. This cut does not show our Patent Revolving Apron.

Patent Revolving Apron.



CUT OF OUR NEW REVOLVING APRON, SHOWING ITS POSITION IN THRESHER.

THE object of this device is to stop all grain flying from the cylinder and to pull the straw away and force it to the rear end of the machine where it is thoroughly beaten by the beater forks before it goes out of the machine. This arrangement effectually prevents the grain from going out with the straw, and also prevents any clogging of the straw. The aprons are made of heavy sheet iron, and are suspended to shafts placed horizontally between circular ends. The aprons always retain a vertical position as they revolve by means of the device on the ends. The lower edges of the aprons form teeth to grasp the straw and force it under them to the rear of the machine. It assists the feeder by pulling the straw away as fast as it comes over the cylinder.

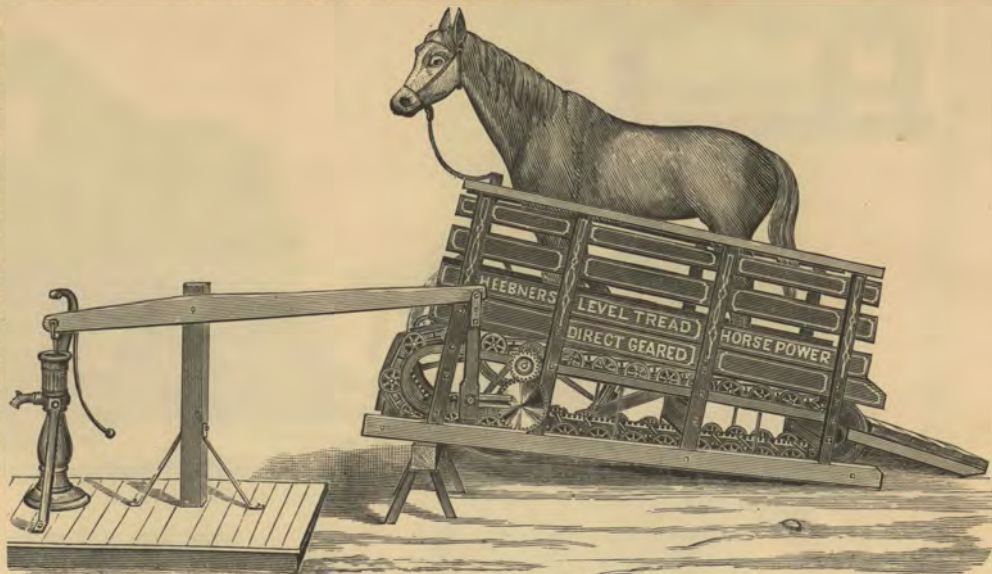
No straw can wind around the cylinder as this apron pulls it away as fast as it comes through.

An inclined fender board is placed back of the cylinder that directs the straw downward so that it cannot strike the apron above the centre. All hard substances, such as stones and sticks, that come over the cylinder are stopped by the fender board and prevented from striking the aprons.

HEEBNERS' ATTACHMENT TO HORSE POWERS FOR PUMPING WATER.

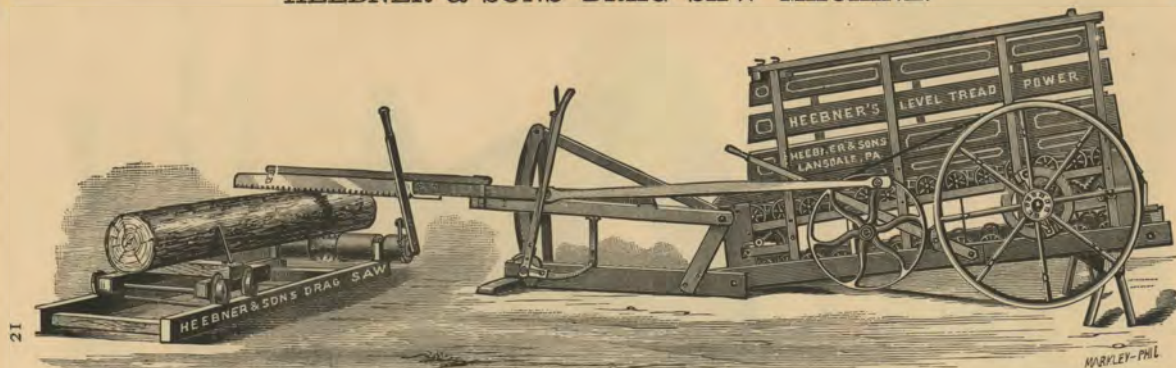
For Stock, Irrigation and Other Purposes.

THIS is a very convenient arrangement for pumping water. It can be placed in any location, is not dependent upon the uncertain wind for its motive power, but is always ready for work after the horse is led into the power. The power is portable and if desired is easily detached from the pump and taken to



other places to run other machinery, such as feed cutters, corn shellers, or any purposes where light power is required. Sometimes the power may be wanted for other work than pumping, which would require more than the power of one horse. In such cases we attach the pumping arrangement to one of our two horse powers.

HEEBNER & SONS' DRAG SAW MACHINE.



THIS machine is used for sawing logs of any size into suitable lengths for fire wood. We have spared neither time nor expense in the production of this machine, our aim having been to combine in the simplest and most practical form all that was valuable in the various machines in use, and at the same time to make such additions and modifications as seemed necessary to harmonize and perfect its details. In this we have succeeded. The machine can be run by one or two horses, and is driven by a belt from the band wheel of the horse-power and is easily and quickly attached to the power by a few bolts.

Its compactness is such that the attendant has, while in one and the same position, full command of the brake and saw-lever, as well as the log-lever. The balance wheel has a crank that drives the saw, and this crank can be adjusted to give the saw a stroke of two feet if desired.

It is the Strongest, Easiest Running and Fastest Working Drag Saw ever made.

Heebners' Circular Saw Machine.

Cuts Larger Wood than any other Circular Saw Machine with the Same Sized Saw.



THIS is a strong and durable machine. It has a large web balance wheel, which is safer than a wheel with spokes. The table works with a rack and pinion, causing it to run perfectly true and easy. It also has a shield for the saw, so that when the table is drawn forward the saw is covered to prevent accident by anything coming in contact with it. The table extends beyond the saw, so that the stick of wood that is sawed off will rest upon it until pushed off by the next stick. This prevents the necessity of having a man to hold the end of the wood while it is being sawed. Size of the saw, 24 inches; but any other size will be furnished to order. The arrangement of the table is such as to allow the saw to cut one inch deeper than a saw of the same size in any other machine, consequently it will cut larger wood than any other circular saw machine.

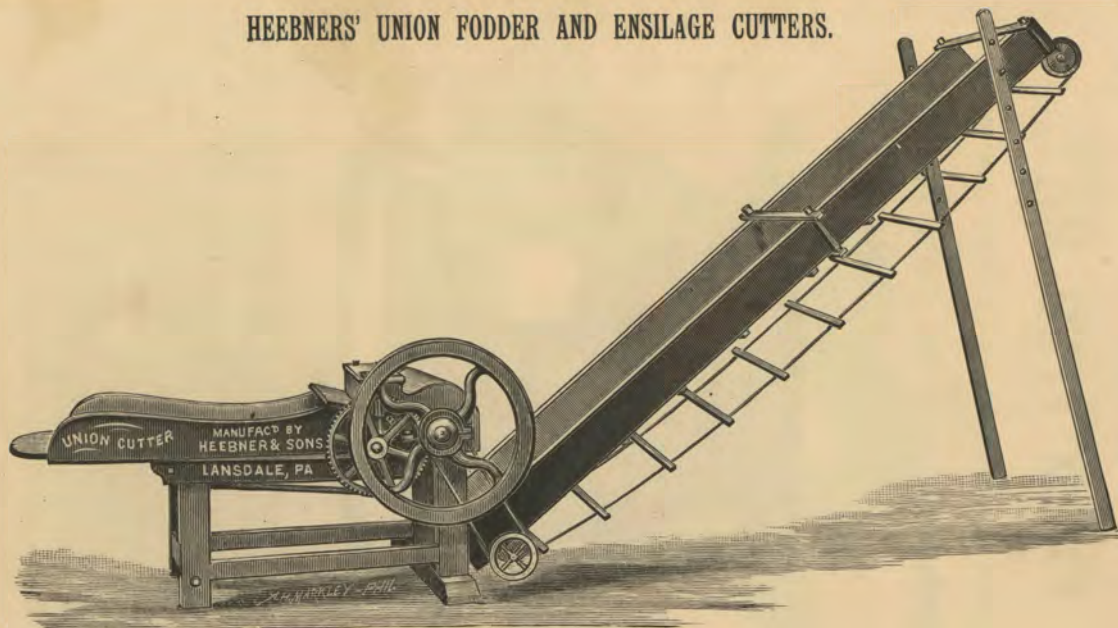
FARM FEED MILL.

EVERY FARMER HIS OWN MILLER.



THESE celebrated Feed Mills have been in use for fifteen years, and have gained a reputation acquired by no other mill in the United States for quantity or quality of work done for the power consumed. During the first few years of the manufacture of the mills the sale was confined to a limited territory; now they are known in almost every town in the United States as the only reliable mill, the least liable to get out of order, costing nothing for repairs, and only from \$1.25 to \$1.50 for new rings for every 1,000 bushels ground. They will grind with our Two-Horse Level-Tread Power eight to ten bushels per hour, however wet or dry, or whatever may be its condition, without heating the grain or doing it other damage, and will never clog or choke.

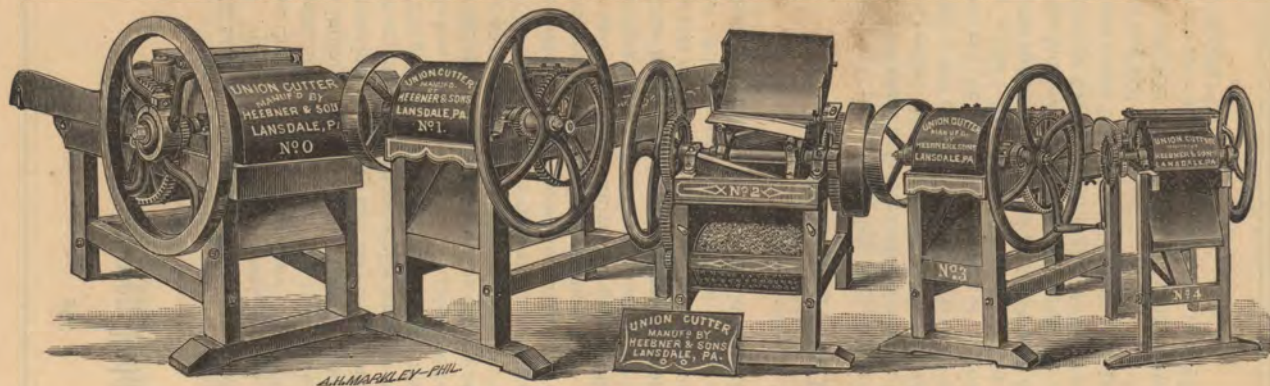
HEEBNERS' UNION FODDER AND ENSILAGE CUTTERS.



HEEBNERS' UNION FODDER AND ENSILAGE CUTTER, NO. 0, WITH CARRIER ATTACHED.

We can attach the Carrier whenever desired to any of our Cutters; we make them any length required, and to run in any direction.

GROUP OF HEEBNER'S UNION FODDER AND ENSILAGE CUTTERS.



THE above cut shows the different sizes of our cutters in one group.

No. 0 is a large power cutter with four 19-inch knives.

No. 1, power cutter with four 16-inch knives.

No. 2, power cutter with four 12-inch knives. The cut represents the crusher attached to this size.

No. 3, light power cutter with four 10-inch knives. A crank is furnished with this cutter, and it will do good, fair work by hand when the crusher is not attached.

No. 4 is a hand-power cutter with two 8-inch knives.

We have crusher attachments for each size of cutters except the No. 4.

Send for our special cutter circular with illustration and full description of each size.

Heebners' Union Fodder Cutter.

WE have had long experience in the manufacture of Fodder Cutters, and have expended a great amount of money in bringing our Union Cutter to its present state of perfection. We make several sizes of them, from a hand power to a 19-inch knife steam power cutter. We have improved them to such an extent that in points of simplicity in construction, durability and easy and rapid work, no other fodder cutter of any make can successfully compete with them.

The gear that drives the feed rolls is much improved. It runs easier and is less liable to break ; it enables the rolls to work closer together, or as far apart as required, and as easy in one position as another. It is compact and takes up no extra room.

The knives have a perfect shear cut, and they cut **down** which gives firmness and enables the cut feed to fall directly away from the knives, rendering any clogging impossible. The knife bar has a cutting edge and assists the knives in giving the perfect shear cut and consumes much less power.

The knives are bolted directly to the knife head and their back edges rest against steel set screws by means of which they can be adjusted with the greatest precision. The set screws also serve as rests for the knives and relieve the strain from the knife bolts.

CRUSHING ATTACHMENT.

Our new patent Crushing Attachment surpasses all the improvements ever made in fodder cutters for preparing dry corn stalks for feed. It is a perfect masticator, reducing the hard dry stalks to fine soft feed that stock will eat with a relish. It is easily attached to either size of cutters except the No. 4. It consists of an iron cylinder with small, sharp teeth, and a concave placed beneath it with same kind of teeth. The cylinder runs at a high rate of speed and operates similar to a threshing machine cylinder. It is placed on the cutter beneath the knives, and the cut feed drops on it directly from the knives, and is forced out between it and the concave, tearing and bruising the feed until it becomes fine and soft.

When it is not desired to use the crusher it can be ungeared in a moment and a shute placed over the cylinder to conduct the feed away from it.

WARRANTY.

WE warrant all our machines to be made of good material, in a workmanlike manner; to be easy for the team and to do as good and fast work as any other machine of the same size and class.

TERMS.

OUR terms of payment are one-third cash, the remainder in approved bank notes, bearing interest and payable in three months. No notes taken from parties not shown to be responsible beyond any legal exemptions, unless amply secured by good endorsers or otherwise. The money and notes must accompany the order for machines.

If machines are paid for in cash when the order is given, a discount of five per cent. may be deducted from the price given in the list; if paid in thirty days, a discount of three per cent. may be deducted.

CONDITIONS.

THE freight must be paid by the purchaser. We give the purchaser the privilege of using the machine two days (within two weeks after receiving the same), and if it fails to work as warranted, the purchaser must notify us or our agent at once, and allow us sufficient time to reach the place where the machine is, and must furnish us with a team and whatever is needed to test it with and give us time to adjust it if necessary; and then if the machine will not work, the purchaser can return it to the warehouse, or freight depot where he got it (free of charge to us), and we will refund the freight, and the money and the notes he had paid for the machines. If we are not notified to the contrary within twenty days from the time the purchaser received the machine, we shall consider it to be giving satisfaction and he must keep it.

HEEBNER & SONS.

◁ TESTIMONIALS. ▷

Level-Tread Horse-Powers and Little Giant Threshers.

Edwin Oberly, Easton, Pa., writes:—I bought of G. W. Coleman, two years ago, one of your Direct-Geared Two-Horse Powers and Little Giant Threshers, threshed two crops with it and I find it a complete machine, both the power and separator, in doing good work. The feeder is free from dust. I was always sure to get sick from dust in working with other machines, but now I take pleasure to thresh with your machine, with no fear of getting sick from dust. I would not have any other than yours.

CAMBRIA, Pa.

Messrs. Heebner & Sons, Lansdale, Pa. :

Your Two-Horse Level-Tread Power, Thresher and Cleaner gets away with anything I ever saw for threshing and cleaning grain. I find them complete in every way. I can thresh just as much as I want to; the hardest job is to get away with the straw. The speed regulator is perfect in every respect. Respectfully yours,

W. H. YOUNG.

GREENFIELD, Lackawana Co., Pa.

Messrs. Heebner & Sons, Lansdale, Pa. :

Gentlemen :—The Two-Horse Level-Tread Power and No. 2 Little Giant Thresher and Cleaner I bought of you, through your agent, gave good satisfaction. I threshed about 13,000 bushels of grain last year, and have threshed 568 bushels in eleven hours. The man for whom it was done said it was the best job he ever had done. Yours truly,

LAFAYETTE LEE.

HYDE PARK, Pa.

Messrs. Heebner & Sons, Lansdale, Pa. :

Gentlemen :—I consider the Two-Horse Level-Tread Power I bought of you, through your agent, Mr. M. H. Coon, of Clark's Green, Pa., several years ago, the best I ever saw. I used it for grinding apples; can grind three bushels per minute with a Jersey grinder, and need not elevate it more than enough to raise the band-wheel off the floor. The level lags and speed regulator are indispensable attachments.

Very truly yours,

B. F. WHITE.

Messrs. Heebner & Sons:

We wish to give you a testimonial due to the excellence of your Level-Tread Horse-power and Giant Thresher, with both of which we are highly pleased. The power is more effectual than we supposed. We have the two purchased of you last fall doing the work of grinding our grain for feed. The public may be assured that your power and thresher will justify upon trial the recommendations you give it. We can grind ten bushels per hour with our mill and your Two-Horse Level-Tread Power with ease to the team. You are at liberty to refer to us at all times. We know of no horse-power equal to yours.

Your friends, V. E. & J. E. PIOLLET,
Waysox, Pa.

M. J. Harrington, Montrose, Pa., writes about one of our two-horse machines that he sold in his neighborhood:—"The 24th of August they moved and threshed 230 bushels of oats, then moved again and threshed 22 bushels wheat and 100 bushels oats, and again moved to another barn and threshed 243 bushels oats, making 595 bushels of grain in **one** day and moved three times."

T. S. Cooper, Linden Grove, Coopersburg, Pa., says:—"Your No. 2 Giant Thresher and Cleaner I am more than well pleased with. It does its work admirably, and I can assure any of my customers and Southern friends who have need of such a machine that they will not regret its purchase. I wish it may generally be circulated, as such serviceable threshers and cleaners as yours are not to be found."

N. E. Whidden, of Lagrange, Maine, says:—"The Two-Horse Level-Tread Power and Little Giant Thresher I bought last year gave good satisfaction. I found it to be ahead of any other threshing machine I ever saw. I threshed 17,000 bushels of grain with it in fifteen weeks. One day threshed 500 bushels in ten hours. I did not pay out one cent for repairs. It is easy for man and horses."

VAN BUREN, Maine, January 21st, 1888.

Messrs. Heebner & Sons, Lansdale, Pa.:

Gentlemen:—One of the Penna. One-Horse machines has threshed 7,000 bushels of grain this season. Purchasers are all well satisfied with them.

Yours truly, C. F. HAMMOND.

O. H. Brown, at Riverside, Me., on August 23d, threshed in five hours and ten minutes 264 bushels of oats by measure with Heebner & Sons' Level-Tread Horse-Power and Little Giant Thresher, in the meantime stopping six times to carry away grain. This grain was cleaned in a thorough manner. Feeders, O. H. Brown and E. L. Brown.

Fred. P. White, Dedham, Me., has one of our One-Horse Powers and Little Giant Threshers. He says:—"I threshed 40 bushels of wheat in three hours, 240 bushels of oats in one day, 800 bushels in one week. Horse weighed 1,050 pounds. The grain was all mowed and raked by hand."

Dennis B. Violette, VanBuren, Me., writes:—"Having had twenty years' experience in threshing machines, I can truly say that Heebners' Level-Tread Power and Little Giant Thresher is the best in every respect that I ever tried, and I can cheerfully recommend it especially for thoroughness of work, easy for the team and easy for the feeder. No dust as in other machines. Will thresh and clean more grain in a given time than any machine I have tried."

C. D. Inghram and F. L. Dyer, Linneus, Me., have one of our two-horse machines. They say:—"We threshed 1,800 bushels and moved four times in one week. We threshed 112 bushels of oats in 90 minutes."

A. B. Drew, Island Falls, Me., has a two-horse machine. He says: "I threshed and cleaned in good shape 513 bushels in eleven hours, 80 bushels in one hour, 1,570 bushels in one week, including moves. No other machine in the county can beat it."

N. D. Smith, Masardis, Me., writes to the "Home Farm":—"One of Heebners' Little Giant Threshing Machines, lately in my barn, threshed and cleaned in a satisfactory manner 140 bushels of wheat in eight hours. One-fifth of the wheat was mowed, and I had straw enough, if it had filled as it usually does, for over 200 bushels. To those intending to purchase a threshing machine I would say to them to look over the Little Giant. It will not fail in giving satisfaction."

O. B. Poor, of Andover, Me., says:—"Your Level-Tread Horse-Power and Little Giant Thresher give perfect satisfaction in every respect. I can thresh more grain in a given time than any other machine ever brought into this county. One man tells me that he saves his toll and the board of the help by having my machine."

Charles R. Brown, of Patten, Me., writes:—"I started out with the Little Giant No. 2, with Heebners' Level Tread Powers. Moved 35 times in 5½ days and threshed 9,038 bushels oats, 333 bushels wheat, 703 bushels buckwheat, 643 bushels barley and 203 bushels oats and peas. I moved on Monday morning to William Watters, a distance of two miles, and threshed 250 bushels of oats, 12 of wheat, 37 of buckwheat, and 94 of barley. Moved to Andrew McCouck and threshed 594 bushels of oats and 124 bushels of buckwheat and finished before noon on Saturday and came home in the afternoon with 93 bushels of toll, worth at that time about \$55. My expenses for repairs were less than \$5 for the whole season."

Charles Hitchman, Daretown, N. J., says:—"I have owned several kinds of horse-powers, and having bought one of your Level-Tread powers of your agent, John Garrison, I think I have now the best power I ever had. Have threshed several days without a shoe on my horses."

John Schneider, Martinville, N. J., says:—"Messrs. Heebner & Sons—I have one of your Level-Tread Powers and Little Giant Threshers and it gives the best satisfaction. The first time I tried it I put on a horse that had never been on a power before; but there was no trouble. He walked very nicely. The level-tread is a large advantage to the horse. The speed regulator works very successfully. I saw wood all alone without touching the brake. I think it is the best machine that can be bought."

Henry L. Upshur, Eastville, Va., has a two-horse machine. He writes:—"Your machine is giving perfect satisfaction. It has been running steady ever since I got it; in fact, have more work than I can do."

C. S. Cornell, Spencer, N. Y., writes:—"The Level-Tread Power and Little Giant Thresher gives satisfaction to all. I have threshed for one man, who says 'I never had a better job done in my barn.' Another says, 'It is the best machine in the country; it is equal to the eight-horse machine that threshed for me last fall.' Last Tuesday I threshed 250 bushels of wheat in seven hours."

Robert McCrea, Champlain, Clinton Co., N. Y., has a Two-Horse Level-Tread Power and No. 2 Giant Thresher and Cleaner, and he says that he threshed 590 bushels of oats in ten hours and fifteen minutes for Mr. G. E. Dunning, P. M., of his town.

S. A. Carter, of South Portsmouth, R. I., says:—"I have run one of your Level-Tread, Little Giant threshing machines for eight years. The one I now have I have run three years and have not broken anything but a dog that goes in the cylinder pulley. We have threshed at one time 300 bushels in a day and 60 bushels in an hour, regular running time. We can thresh the coarsest and heaviest straw that grows around the beaches here, that every other machine shuns, so we have plenty of work. We have threshed in the past five weeks 8,000 bushels of oats and barley."

J. W. Cooper, Amanda, Tenn., says:—"The Little Giant gave entire satisfaction in this section of country, and if we would judge from the favor it received last season it will almost 'clean out' the Ground Hog that has been used almost universally in this section for the last twenty years."

G. C. & H. N. Butler, of Equality, Coosa Co., Ala., say:—"After we have used your No. 3 Little Giant machine for two years, and have not had any trouble with it, we can say that it is the best thresher we ever saw. Our grain crops are small here. We moved five times in one day and threshed 100 bushels of wheat; traveled ten miles one day and threshed 210 bushels—20 of wheat and 190 of oats."

Ric. A. Coffey, Esq., Coffey's Store, Jackson Co., Ala., writes and says:—"The Level-Tread Two-Horse Power and No. 2 Little Giant Thresher and Cleaner purchased of you last May was put up and run by men who had no experience with your thresher and run through the threshing season and gave full satisfaction. I can cheerfully recommend it to the public as a good machine."

Jno. S. Watts, Okolona, Miss., says:—"Messrs. Saverly & Powell have threshed my entire crop of wheat and oats for the past four years with a No. 3 Little Giant Thresher and Cleaner, I do not hesitate to say, with entire satisfaction. I think the Little Giant No. 3 has no equal. I will have no other thresher as long as I can get the Little Giant."

Charles Gervan, Antigo, Wis., writes:—"I wish to express my feelings to you in regard to your No. 2 Little Giant Separator and Level-Tread Two-Horse Power I purchased of your agent two years ago. I must say the power is better and runs easier than any two-horse power I ever saw. We have at different times this fall threshed 500 bushels of oats in one day, and last week I had a trial with a Wisconsin ten-horse-power thresher. The Wisconsin machine threshed 1,000 bushels of oats in ten hours, and the Little Giant threshed 400 bushels of oats and 200 bushels of wheat in the ten hours, and as a cleaner it is without an equal.

E. E. Curtis, Richwoods, Mo., bought a No. 2 Little Giant and says:—"My own crop of wheat was threshed from the shock and at no time were we able to get the wheat hauled fast enough to keep the machine running. However, we threshed 850 bushels in three days, and moved the machine once—285 bushels was the highest reached in one day. I threshed for my neighbor 1,540 bushels in four and a half days, and moved the machinery twice. The most threshed in one day was 340 bushels. Threshed one forenoon 185 bushels; at no time did we crowd the machine. I am using an old style lever-power, working six mules. Have any of your customers beat the above."

James S. Noel, Mooringsport, La., writes:—"I have found everything you represented to me about your powers true, and must say that I think your Level-Tread Powers cannot be equaled for ease on horses and the amount of power obtained from them. I work on my power I bought of you one horse and one ox, and they fatten on the work, it is easy on them; the horse was very poor when I first commenced to work him, and he has fattened considerably. Everybody is pleased with it in running my boat. The old — power that I used before I got yours I have laid away, and would be glad to sell it at any price, as it is hard on the horse."

M. T. Patrick, Waxachachie, Texas, says :—"The Double-Geared Two-Horse Power and No. 2 Little Giant Thresher with Stackers I bought of you last year gave perfect satisfaction in every respect, and I must say it was much better than I expected when I bought it. It threshes with ease to the team and hands 200 bushels of wheat per day, and my wheat only made about eight bushels per acre and the straw was quite heavy. I could have threshed 400 bushels per day if my wheat had been good and in ordinary straw. The speed of the machine is the best I have ever seen, and your power is much better than the level power. After threshing my crop I sold my machine and will want you to ship me another in April next."

WESTCLIFFE, Colorado, January 6th, 1888.

Messrs. Heebner & Sons, Lansdale, Pa. :

Gentlemen :—The machine arrived in good shape and has been subject to severe and critical tests, having threshed as high as 75 bushels of oats in one hour. We can cheerfully recommend it as being as good if not better than you claim it to be. Yours truly,

CHARLES JARVIS.

UBET, Fergus Co., Mont., December 27th, 1887.

Messrs. Heebner & Sons, Lansdale, Pa. :

Gentlemen :—I received your letter of the 8th inst., asking about the success of the machine. I am well pleased with it, having earned with it in the last three months \$1,300. I have \$200 worth of work yet to do. Have threshed as high as 750 bushels in seven hours and done nice work. It is all you represent it to be. Yours truly,

OSCAR LOCKWOOD.

GRAND HARBOR, D. T., January 3d, 1888.

Messrs. Heebner & Sons, Lansdale, Pa. :

Gentlemen :—The Two-Horse Level-Tread Direct-Geared Power and No. 2 Giant Separator, with Straw Carrier, Tailings Elevator and Sacker (Bagger), has been doing good work. Can say that I threshed 13,000 bushels wheat and oats this past season and did not spend one penny for repairs, as there was no break-down. I have threshed as high as 100 bushels oats per hour and run the stacker at the same time, and have threshed as much as 50 bushels wheat. Ordinarily I thresh 30 bushels wheat and 60 bushels oats per hour. I have started up at 8.20 a. m., and by noon counted 165 sacks well filled, over two bushels each, of oats, and only made four stops. Yours truly,

C. B. KENDALL.

FERGUS FALLS, Minn.

Messrs. Heebner & Sons:

Dear Sirs :—I enclose ——, balance in full, due to-day for Level-Tread Power. I wish to say that your Two-Horse Double-Gear'd Level-Tread Power has given entire satisfaction from the minute it was put in motion until the present time, it being in almost constant use since being in my possession, and is as good to-day as the day I got it. I have not been delayed one minute by the power getting out of order, nor spent one cent for repairs, for none have been needed, notwithstanding the power came 1,800 miles in the dead of winter and was delayed by storms and floods, laying over at different places, also having been re-shipped at St. Paul. It beats anything in this country in the shape of horse-power for service, durability and easy, light-running qualities. I remain very respectfully yours, OSCAR MOORE.

J. W. Stone, Edgerton, Minn., has one of our Two-Horse Level-Tread Powers and Little Giant Threshers. He says:—"The longer I use the machine the better I like it. I have not threshed my timothy yet, but it will thresh anything. I have threshed rye, oats, wheat, buckwheat and flax. It cleans it splendid—can't be beat. The machine is all that it is represented to be. My team is light, but I can thresh 300 bushels of oats a day and not crowd the team. It is strong and durable."

John T. Smith, Cedar Rapids, Iowa, got a Level-Tread Two-Horse Power to run a feed mill. He says:—"The power arrived and I got it to work yesterday, and ground five bushels per hour with a pair of light mules, which weighed 1,500 pounds. If I had a pair of horses that weighed 1,000 pounds each I could grind ten bushels per hour. It goes ahead of my expectations in every particular, and I would not go back to wind power if it were given me. The advantages of the speed-regulator and level-tread are very great."

Stephen Brown, Sturgis, Mich., says:—"The Level-Tread Horse-Power that I bought of you last spring works to perfection. It runs with the least elevation and with the lightest horses I ever saw. We can saw wood as fast as they can with the threshing engine, and just as large wood. I think that speed-regulator is just the thing. I would not have a tread power without it."

Heebners' Penn. No. 3 Thresher and Cleaner.

From C. D. H. Kellogg, Brookfield, Ct. :—"I can say of your Pennsylvania One-Horse Thresher that I am very much pleased with it, and find it will do all you claim for it. I threshed 30 bushels of oats in twenty-nine minutes the first time I used it, and have threshed some very damp grain. I threshed 101 bushels of oats in three hours and twenty minutes."

Heebner & Sons, Lansdale, Pa. :

CLAYTON, Berks Co., Pa.

Dear Sirs :—"To-day I finished my threshing of the grain crop for 1884 with your Pennsylvania Cleaner, and to-night I feel like thanking you for selling me the machine, although I was reluctant in buying. I failed to keep a record of the threshing at various times, but recall that we threshed and cleaned one day 200 sheaves of wheat and the oats crop of five acres. When we were through with the work the wheat was stored in bins, the chaff was stored away, and we did not have to stand in the barn the next few days and turn the crank of the grain fan for dear life the live-long day like cold and hungry organ-grinders. I certainly could not have threshed three days in succession with a single thresher. The wheat thus stored away was taken to market without further cleaning and sold for prime wheat. To-day we threshed rye, the sheaves were large and badly tangled; we used to have fifty sheaves for a bed; the time record in minutes for threshing ten of these was an average of fourteen minutes. One of my neighbors said to-day that the cleaner did not require perceptibly more power than single threshing machine. It can be taken apart by two men easily and stored away in odd corners and places in the barn. I would not part with my Pennsylvania for any consideration were I thereby to lose the right of using another like it. Yours very truly,

H. W. KRIEBLE.

P. S.—Mr. Krieble has the one-horse machine.

Messrs. Heebner & Sons :

LOWER PROVIDENCE, Pa.

The One-Horse Thresher and Cleaner I purchased of your agent last fall was attached to an old Rittenhouse power, well worn. It worked splendid, threshing clean and cleaning equal to twice fanning on my Lancaster fan, wasting no grain. We like it and wouldn't change for any cleaner we ever saw work. Our horse is light but gives plenty of power. I do think for light running and good work they can't be beat.

JACOB BUCKWALTER.

NEW BERLINVILLE, Berks Co., Pa.

I am still very well pleased with the Pennsylvania Cleaner. I threshed oats, wheat and rye now, and think I can just thresh about as much with the cleaner in a day as I could with the other machine. It works excellent in rye. I would not trade back again, and, in fact, if I was to take double the price for the cleaner and could have the old machine for a gift, and use the old machine again, I would not accept it. We cleaned wheat clean enough for market.

A. T. D. JOHNSON.

Alfred J. Clader, of Allentown, Pa., says:—"It is the best machine I ever saw. It exceeds the very highest claims made for it. I can easily thresh 2,000 sheaves of wheat in one day and do it to perfection, without overworking my horse."

H. C. Biddle, Ambler, Pa., says:—"The Penn. Cleaner I bought of you two years ago is in perfect order. I have never paid any particular attention as to the quantity could thresh per day since the second day we used it. We then threshed 70 bushels clean wheat ready for the mill with one horse 26 years old and two men. It is the most firm and steady running machine I ever used, and must be very lasting."

Joseph H. Saul, Frankford, Pa., says:—"I am very much pleased with my One-Horse Penn. Thresher and Cleaner. The revolving apron is a great improvement. I threshed grain when it was very damp and the apron carried the straw right away from the cylinder. No winding around the cylinder and for cleaning the grain it cannot be beat. It cleans it good enough to send to mill. No trouble about carrying over the sieves or shaker."

H. C. Hoover, Blue Bell, Pa., says:—"Last fall I bought one of your One-Horse Penn. Threshers and Cleaners with the new Revolving Apron in it. It threshed faster than the old thresher and shaker, and had the grain ready for the granary. There was no waste of grain at the sieves or the shaker. The revolving apron is a great improvement, the grain goes through more regular with the apron. The cylinder is clear of straw with the apron and no waiting for speed. We threshed oats that was not only damp but wet, and did not lap around the cylinder."

John F. Comly, West Walnut Lane, Pa., says:—"I cheerfully recommend your Penn. Thresher and Cleaner. It is certainly astonishing, the low grade and the easiness on the horse that does such elegant work. Since you put a revolving apron on my machine it runs faster and takes the straw away sailing, and I cannot see as one grain flies over with the straw."

SPINNERSTOWN P. O., Bucks Co., Pa.

Messrs. Heebner & Sons:

Sirs:—The One-Horse Level-Tread Power and Pennsylvania Thresher and Cleaner I bought of you through your agent gives entire satisfaction. I can thresh as much as I could with the thresher and shaker. I call it a first-class separator. HENRY G. BLEAM.

MILFORD SQUARE, Bucks Co., Pa.

Messrs. Heebner & Sons:

Sirs:—I had no idea of getting a thresher and cleaner, but I saw one of your Pennsylvania Cleaners with one of my neighbors and that satisfied me so well that I ordered one immediately. I have no use for the machine until next fall. JOHN Z. BLEAM.

Samuel N. Rowland, Vincent, Pa., writes:—"My men say the One-Horse Direct-Geared Power and No. 3 Penna. Thresher and Cleaner is A No. 1. We can clean thoroughly and put in our bins as much grain as can be threshed with the plain threshers without the cleaners. I am very much pleased with the machine."

W. R. Whittock, Penllyn, Montgomery Co., Pa., says:—"The No. 3 Penna. Thresher and Cleaner I bought of you has given entire satisfaction. I have threshed $82\frac{1}{2}$ bushels of wheat in one day and 175 bushels of oats. I use one of your old style powers, made in 1871. The above work was done in an ordinary day of ten working hours."

Jos. L. Heebner, Norritonville, Pa., says:—"The cylinder apron you put on my machine last fall works like a charm. I have been threshing some very tough oats and I am not bothered with 'lapping' on the cylinder. I could not have threshed all of this grain without cutting the sheaves had it not been for this 'noble attachment.' I shall advise every neighbor to purchase your machine."

Heebners' Union Fodder Cutters.

Samuel Cress, Wind Gap, Pa., says:—"The Union Feed Cutter I bought of you is the best cutter I have ever used. It gives perfect satisfaction."

Charles Kelley, Iselin, N. J., has one of our Union Feed Cutters, and he says it "does its work splendid. In less than half a day my man with the one-horse power cut stalks enough for a week for fifteen head of cattle."

J. S. Famous, Chester Valley, Pa., says:—"Your Union Feed Cutter has been cutting feed for two weeks—cornfodder and hay. It has given the best satisfaction. I have cut 100 bundles of cornfodder in 40 minutes. It cuts fodder very fine and nice."

L. Rhoads, Truittsburg, Clarion Co., Pa., says of our Union Fodder Cutter:—"The Union Cornstalk Cutter and Grinder I bought of you has proved a grand success. I have given it a fair test on unhusked cornstalks, and it does its work beyond all expectation. It is a grand fodder saving machine."

John Sheldon, Big Tree, Erie Co., N. Y., says:—"Your Union Feed Cutter gives entire satisfaction."

Alfred Brinton, Christiana, Lancaster Co., Pa., says:—"I use your No. 3 Union Feed Cutter with Crusher, and find it all you claim for it. It is the best cutter I ever worked with."

Nathan Laufer, Brodheadsville, Monroe Co., Pa., says:—"Your No. 2 Union Feed Cutter with Crusher works well. I never saw any machine that prepares cornfodder so well. My cattle eat it all up clean."

Jonathan Glunt, Lloydsville, Cambria Co., Pa., has a Union Fodder Cutter, and says he has saved the price of the cutter this winter by cutting his fodder. He likes the cutter very much.

Joseph Supplee, Worcester, Montgomery Co., Pa., says:—"The Union Fodder Cutter and Crusher I have used over two years and would not be without it for one hundred dollars in gold if I could not get another. The crusher makes the stalks so fine that the cows and steers eat them up clean. No farmer who cuts corn stalks for his cattle ought to be without one."

Allen Hallman, Jessup, Iowa, says:—"I received my Horse-Power and No. 3 Cutter and Crusher and Corn Sheller in good condition. The first work we done was to cut and crush corn stalks, which had been thrown out of the cow troughs on a pile. After crushing this fodder we had enough to feed twenty-four cows a whole week, and they preferred it to my best timothy hay. This is the kind of machinery every farmer needs. It saves feed."

