

MIDDLETOWN
AGRICULTURAL WORKS,
Middletown, Butler Co., O.

D. MUMMA, Sec'y.

J. G. CLARK, Pres't.

MANUFACTURERS OF

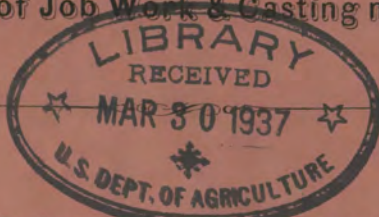
Agricultural Implements,

SUCH AS

REAPERS, MOWERS, WHEAT DRILLS,

Straw Cutters & Sugar Mills.

Also, All kinds of Job Work & Casting made to order.



WM. KALBFELL & Co., Steam Job Printers, No. 21 East Third Street, Cincinnati, O.

1865.

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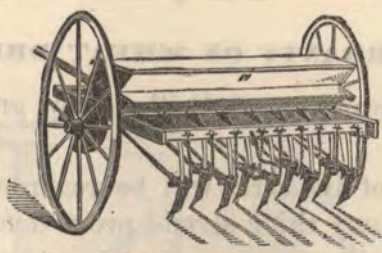
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XX DRILL.

NEW PATENT.

This machine is constructed in the best and most durable manner. It has a preponderance of advantages over all machines of its class, which have been brought into use. These advantages are mainly owing to the construction or form of the agitators, which regulate the discharge of the wheat through the drill teeth. The agitators are wheels, formed with a series of lips and leaves, which constitute some re-versa scrolls. This connected series of leaves and lips gives to the perimeter of the agitator a waving or zig-zag line, which passes with the revolutions of the agitator over the grain aperture, causing a continuous and regular discharge of seed. The machine is capable of such adjustments as to graduate the quantity to be sown per acre. In connection with the machine is a grass sowing apparatus, which has also proven very successful; its agitator being also peculiar in its construction. The first premiums have been awarded to it, and there has been a general unanimity in the expressions of approbation by those who have used the XX Patented Drill.

—:0:—

PRICE AT THE SHOP.

8	Hoe	Double	Rank,	with	Grass	Seeder,	\$
9	"	"	"	"	"	"	\$
10	"	"	"	"	"	"	\$

TERMS cash on delivery; or, \$2.50 additional, one-half down, one-half balance January 1st, 1866; or, \$5.00 additional, all payable January 1st, 1866.

WARRANTY ON WHEAT DRILLS.

We hereby warrant our Drills to sow grain in a workman-like manner.

The sowing of five acres will be regarded by us as a fair trial, and in case any thing should prove defective, notice must be given, at once, to us or our agents, and time allowed to send a man to put it in order, and if it does not operate then, we will take it back, and refund the money.

TESTIMONIALS.

Cherry Hill, Butler County, O., May, 1865.

MIDDLETOWN AGRICULTURAL WORKS.

GENTLEMEN:—You asked me how I like the Drill I bought of you, last fall. In answer I have to say that, for eveness and regularity of sowing, I think your Drill unsurpassed by any that is made.

Yours Truly,

G. W. WILLIAMSON.

—:0:—

Lebanon, O., May 17th, 1865.

MIDDLETOWN AGRICULTURAL WORKS.

GENTS:—Yours of the 25th inst. came to hand, and, in reply, I would say that I have used your Wheat Drill, during the past season, and have been very much pleased with its operation. I have used the Dayton and other Drills, but have found none that can compare with yours. I can candidly recommend it to all as the best in the market.

Very Truly, etc.,

SIGNED:

WM. H. STORER.

—:0:—

Billingsville, Ind., May 13th, 1865.

SECRETARY MIDDLETOWN AGRICULTURAL WORKS, MIDDLETOWN, O.

SIR:—Yours of April 25th is received. In answer, I would say that I have used your Wheat Drill, and consider it a number *One* Drill, superior, in some respects, to the Drills used in these parts before the introduction of yours.

Yours, with Respect,

ELYA COE.

—:0:—

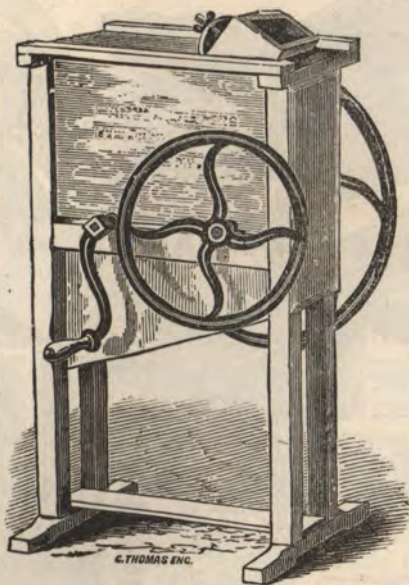
Trenton, O., April 12th, 1865.

MR. J. G. CLARK.

DEAR SIR:—The Drill I bought of you works fine. I can sow any kind of grain evenly just as it comes from the thrashing machine; it can not be choked. In short, it is the best Drill I ever saw or used.

Yours Truly,

JOSEPH HENRY.



Corn Shellers.

We have constantly on hand Single and Double Hand Corn Shellers. They will shell from 150 to 400 bushels of corn per day. Every farmer should have one of these machines in his barn.

Price for Single, \$

Price for Double, \$

Blacksmith Drills.

We are manufacturing a Double Geared Drill for Blacksmiths and Carriage Makers, that are superior to any that are in use at the present time. They work very easily, and will drill as fast as Power Drill.

Price \$

Fig. 1

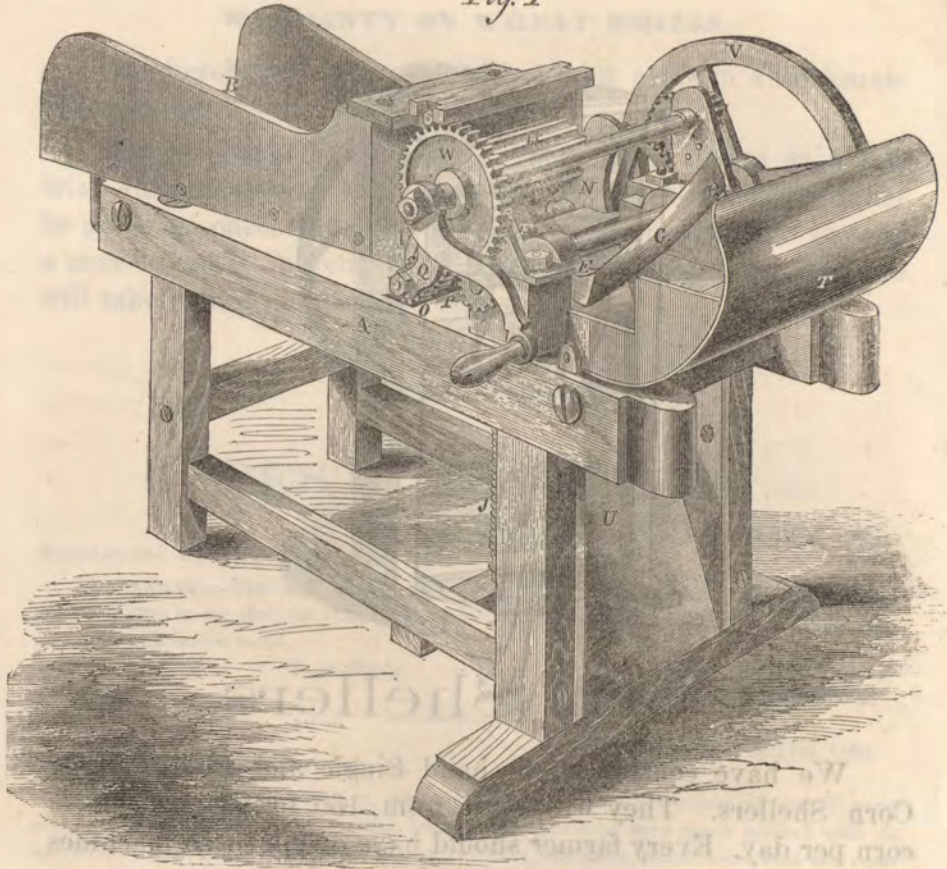


Fig. 2.

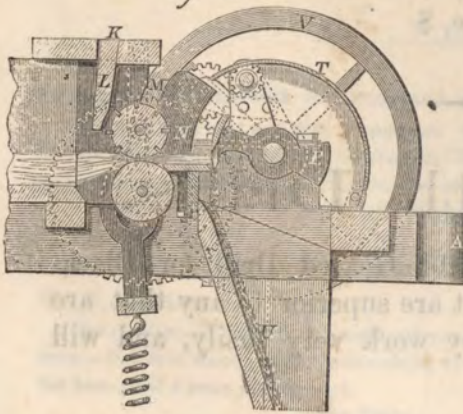
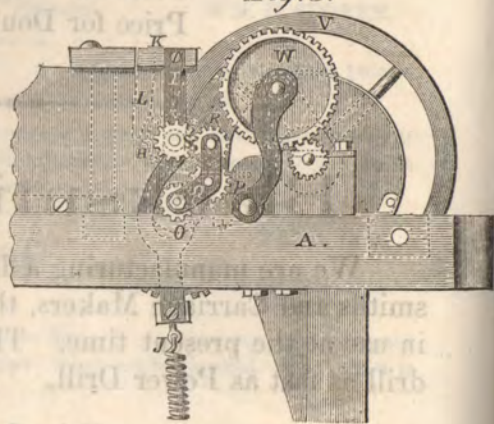


Fig. 3.



“HOOSIER” Feed Cutter.

Hardly any innovation of the day is more remarkable than the change of opinion and practice, which has taken place in feeding cattle and other stock. Twenty years ago rough feed, or hay in bulk, and such fodder was thought fully sufficient for stock, and the change which has taken place, in this respect, is very marked. The columns of the various agricultural papers in this country are continually occupied with discussions upon the subject of stock raising, feed for horses, cattle, etc. By some chopped feed is recommended, by others cooked roots, etc., and each and all kinds, methods and plans are animadverted upon in turn to the great benefit of the farmer.

The subject of the engravings presented herewith is a new machine for cutting feed, hay, straw, corn stalks, etc., and embodies in its construction some points not hitherto embraced in machines of its class. It will be seen, on referring to Fig. 1, the perspective view, that the machinery is mounted on a wood frame, A. The material to be cut is entered at B, and is drawn under the knife, C, by the action of the rollers. The knife is somewhat peculiar, inasmuch as it is so made that it will produce a drawing-cut, and enter the fodder gradually, and without shock or jar; it is fastened to the arms, E, which have counterbalances, F, on their opposite ends, so as to make the machine work regularly, and without vibration; for the knife runs at a high velocity. The edge at the feed-board, B, is provided with a metallic edge, against, or up to which the knife works so as to clear it. This plate can be moved up so far as to compensate for wear. The action of the feed rollers is a novel feature of this machine, for no matter what the thickness

of the substance cut, they are held always in the same relative position with the knife, from which circumstance they work much more efficiently. This action is obtained in the following manner :

There are two feed rollers, G and H ; the latter having ribs to assist in performing its functions. The shaft of the feed roller, H, runs in bearings with the bars, I (see Fig. 3,) one upon each side of the machine. These bars are connected to each other at the bottom by a rod, and to this rod a spiral spring, J, is attached, (see Fig. 2 and 3,) which runs to the bottom of the frame, and is there permanently fixed. The upper ends of the bars, I, are connected to each other by a board or thin iron plate, K, to the back of which another plate, L, is attached, as shown in Figs. 2 and 3. The spring, J, keeps the upper roller down upon its fellow, and the shaft of the upper roller has two hubs, one on each end, which works in curved slots, M, made in the plates, N, (see Fig. 2,) set on each side of the feed box. These slots are struck from the center of the cutter shaft, therefore as the upper roller rises with the feed introduced to it, it is always in the same distance from, or relative position, with the cutter. By this feature of the machine the fodder is firmly held to the knife, and the best possible results obtained. The gearing to effect the rotation of the roller, H, is thus arranged: the lower roller has a pinion, O, (see Fig. 3,) attached to its shaft; said pinion driving another one, P, which runs in the curved bar, Q; this pinion gears with another, R, above it, constituting a train of three wheels. The pinion R. engages with a fourth wheel on the shaft of the upper roller, and is kept to its work by means of a link, S, between the two; by this arrangement the rollers are driven continuously without interference with the position of the upper one. The board, K, is attached to prevent hay from being drawn over the top of the roller; this board works up and down with the roller. There is also a sheet-iron guard, T, which prevents the cutter from being injured, as well also hay from flying to waste all over the floor, and the cut feed is delivered through the

chute, U, into bags or baskets, as may be desired. There is one other peculiarity about this machine which deserves notice. This is to prevent injury to the knife or cutter from any hard substance which might accidentally or designedly be introduced with the fodder to be cut. The fly-wheel, V, is fastened to its shaft by a nut and washer; there is no key in it, as is usual, and the adhesion necessary to enable it to perform its duty, is given by the nut aforesaid, in connection with two wide collars. The idea of this arrangement is to allow the fly-wheel to slip on its shaft when the cutter strikes a hard substance, thus taking the strain due to its momentum off from the cutter—a very simple and excellent contrivance. The cutter shaft is driven by the spur gear, W, and a pinion, and has a high velocity. The other gears, on the opposite side of the machine, in Fig. 1, work the lower feed roller.

This machine will be found a most useful one to farmers of every class. The arrangement to prevent the knife from being damaged is a very good one; this part of the machine is more costly than any other single detail, and those farmers who live at a distance from the centers of trade will find it difficult to get good cutter blades made by ordinary blacksmiths, in the event of accident to the one furnished with the machine. All reasonable chance of injury to this cutter is avoided by the arrangement previously spoken of.

TESTIMONIALS.

The following testimonials are but a mere sample of what we could produce by the *hundred* if it were necessary, and shows clearly the reputation of the machine, as it is also evinced by the number of premiums it has taken in a single season.

We have used your Hoosier Fodder Cutter for some time, and are well pleased with it. We have cut a feed for twenty horses in fifteen minutes on it, and we believe it runs lighter than any machine we have ever seen. We keep a livery stable, and do all our cutting on a hand machine.

SHOFER BRO'S.

Richmond, March 15th, 1865.

I have used your Hoosier Fodder Cutter for eight months, and am well pleased with it in every particular, and believe it to be the best machine I ever saw or used. I have carefully examined all the Cutters in use, at the different State Fairs, and unhesitatingly pronounce this the best I have yet seen. I cut all my hay, and think I save one-half by cutting. It runs one-third lighter than any machine I ever used, a child nine years old being entirely sufficient to operate it.

BENONI NEWBY, Street Commissioner City of Richmond.

Richmond, March 14th, 1865.

Having used your Hoosier Fodder Cutter for several months, I would say that it certainly surpasses any thing in that line that I have ever seen, and if I were keeping a promiscuous stock of horses and cattle, no consideration could induce me to be without one.

J. H. ELDER.

Richmond, March 15th, 1865.

We have now in use, and have had for the last twelve months, your Hoosier Straw and Fodder Cutter, and will say it is the best cutting machine we have ever seen. We pack a large amount of eggs in a year in cut straw, and would say this Cutter suits us exactly.

THOMAS NESTOR & CO.

M. AGR'L WORKS:—My power Hoosier Fodder Cutter gives perfect satisfaction, is the best machine I ever saw, cuts with great ease and rapidity, and does its work perfectly. I have used both hand and power machines in the last eighteen months, and have cut a feed for thirty cows and five horses inside of ten minutes by the watch, on the hand machine. I have kept on an average thirty-three cows and five horses for the last year, and cut every thing I feed on this machine, and find, by experience, that one-half acre of corn fodder properly ground and cut on this machine is sufficient to keep a cow through the feeding season.

EPHRAIM OVERMAN, Dairyman.

—:O:—

Savana, Ashland County, O.

M. AGR'L WORKS:—Herewith find draft for one hundred dollars, balance on cutting boxes. Like mine well. Yours, etc.,

C. M. KING.

—:O:—

Richmond, Ind.

I have made and used various kinds of Straw Cutters for the last forty years, and I can say that your Hoosier Straw and Fodder Cutter is the best that I ever saw. I used this Cutter for the last eight months, and have not yet found it necessary to sharpen the knife.

ELLIS NORDYKE.

—:O:—

Richmond, March 15th, 1865.

This may certify that I have used your Hoosier Straw and Fodder Cutter for about one year, and am free to say that it surpasses any machine for the purpose it is designed for that I have ever seen.

JOHN C. HADLEY.

—:O:—

Richmond, Ind., March 15th, 1865.

I have no hesitation in saying that your Hoosier Straw and Fodder Cutter very far surpasses any thing that I have ever seen made for that purpose. Having used one for several months, I would not be without one for double the cost of it.

JEREMIAH HADLEY.

—:O:—

Richmond, March 17th, 1865.

M. AGR'L WORKS:—After six months' trial of your Hoosier Fodder Cutter, with your permission, we wish to recommend your machine to the farming community generally as the best machine we have ever seen or used. We feed thirty cows and three horses for which we can cut a feed, with ease, and without special effort, in twenty minutes, with your hand machine. We would not take double the original cost, if we could not get another. In short, we can not do justice to the merits of the machine in a certificate, it must be seen and used to be appreciated.

W. H. & A. C. HALE, Dairymen.

Richmond, March 15th, 1865.

M. AGR'L WORKS:—Having purchased one of your Hoosier Fodder Cutters (the first machine sold,) about eighteen months since, it has cut all the feed for three horses and one cow, besides a large quantity cut for sale in the city, and I am glad to have the opportunity of saying that it has more than fulfilled my expectations. We have run it, at a slow rate, on hay, for three hours, by the watch, and averaged twenty bushels per hour, and I am well satisfied that it may be run, at that rate, for whole days together. The knife can be sharpened without removing it from the machine, or can be taken out, ground and returned without any adjusting. The cutting blade is of the best possible temper, and does not seem to be injured—for instance by striking an iron-wood screw, which happened accidentally to fall in when the machine was under full headway, and it was stopped short by the contact without any apparent injury, except to the screw, which was nearly cut asunder by the stroke—in such a case the fly-wheel turns partly round and relieves the strain. A boy twelve years old has done all the cutting on my machine the past winter, at odd times, and its extraordinary safety from accidents to boys, or careless persons, is not the smallest of its merits.

I remain yours, truly,

STEPHEN SCOTTON,
Proprietor of the Richmond Hay Press and Forage Warehouse.

—:O:—

We have no hesitation in saying that your Hoosier Fodder Cutter far surpasses any thing that we have ever seen or used. Having used this Cutter for some time, we speak from practical experience.

SAMUEL HENLEY, ELWOOD HADLEY,
JOS. DICKINSON, LEVI JESSUP.

—:O:—

M. AGR'L WORKS:—Having purchased one of your Hoosier Fodder Cutters in April last, I wish to state that it far exceeds any thing of the kind I ever saw. My little boy eight years old can cut a feed for four horses on it in a very short time. I have never had occasion to take the knife off yet. I can not do this machine justice; it must be seen and used to be appreciated.

March 16th, 1865.

J. R. WILLS.

—:O:—

Chester, Ind., March 20th, 1865.

M. AGR'L WORKS:—I have used your Hoosier Fodder Cutter for about one year, and am well pleased with it, and say, without hesitation, that it is the best Cutter I ever saw, to be fully appreciated it must be tried. I would not take double the cost, if I could not get another. I am certain it has more than paid for itself, since I have had it.

JONATHAN STUBBS.

—:O:—

This is to certify that I have thoroughly tested your Hoosier Fodder Cutter, and believe it to be the best ever made. It runs much lighter than any machine I ever used to do the same amount of work.

JAMES STEVENSON.

—:O:—

Litchfield, Illinois, March 21st, 1865.

M. AGR'L WORKS:—Your machine is the best Straw Cutter I ever saw used.

ANDREW MILLER.

Indianapolis, March 16th, 1865.

M. AGR'L WORKS:—The last shipment of twenty Hoosier Fodder Cutters duly received. The demand for them is rapidly increasing, and the ultimate satisfaction they give is paramount evidence of their successful operation. They meet with universal favor, and we can safely commend this machine to Farmers and Dealers as being the best Cutter in existence. While we cheerfully recommend them to the public "over any other machine," we ask the concurrence of those who have tried them.

Respectfully Yours,

TURNER & DICKSON.

—:O:—

New Garden, March 20th, 1865.

I have tested your Hoosier Fodder Cutter, and believe it to be the best that I ever saw.

S. W. Teas.

—:O:—

Richmond, March 19th, 1865.

M. AGR'L WORKS.—GENTLEMEN:—We have thoroughly tested your Hoosier Fodder Cutter, and believe it to be the best ever made. Its merits can not be fully explained; it has to be tried to be properly appreciated.

S. U. HAMMOND,
ELIHU WILLIAMS,
S. T. JOHNSON,
N. S. LEEDS,
HOWELL GRAVE,

J. H. SCHEPMAN,
WM. COCHRAN,
H. H. CROCKER,
JOHN PEELE,
D. M. COCHRAN.

—:O:—

Richmond, March 20th, 1865.

M. AGR'L WORKS.—GENTS:—I have used your Hoosier Fodder Cutter about ten months, and can say unhesitatingly that it is the best machine for the purpose I ever saw. I would not take double its cost, if I could not get another. I could buy a machine each year, and save money by it.

WILLIAM T. SHEARON.

—:O:—

Cottage Grove, Union County, Ind., March 20th, 1865.

I have used your Hoosier Fodder Cutter for twelve months, and pronounce it the best I ever saw. I would not take one hundred dollars for it, if I could not get another. I have sold several machines to my neighbors, and they give universal satisfaction.

NATHAN H. DAVIS.

—:O:—

Richmond, March 16th, 1865.

M. AGR'L WORKS.—GENTLEMEN:—I have thoroughly tested your Hoosier Fodder Cutter, and unhesitatingly pronounce it an entire success.

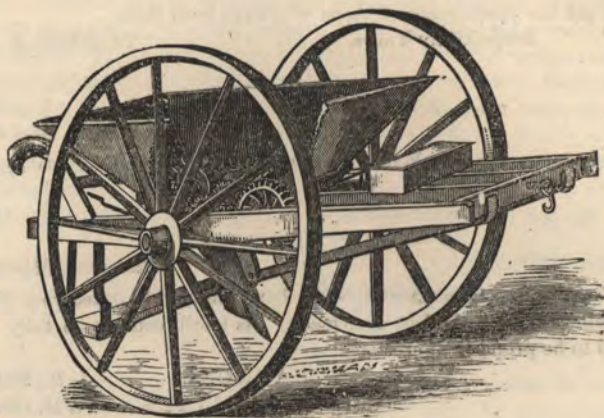
THOMPSON HARRIS.

—:O:—

Richmond, March 24th, 1865.

I have thoroughly tested your Hoosier Fodder Cutter, and like it well. I believe it is the best machine I ever saw.

WILLIAM COMER.



Cotton Seed Planter.

This machine was patented June 26th, 1860, and was used to a limited extent before the Rebellion, but sufficiently to demonstrate its superiority; and at the present time there is an unusual demand for it, where its reputation has become known. The difficulties which were encountered in attempts to plant cotton seed by a machine, arose from the peculiar nature of the seed, which always has adhering to it a portion of short cotton fibres, which causes the seed to form a more compact mass, when a quantity is brought together, than wheat or other kinds of grain.

This machine has successfully overcome this difficulty by the use alternately reciprocating perforated slides, and the toothed cylinders, which revolve in opposite directions. By these means and mode of operation the seeds can not become compact in the hopper, and are therefore caused to be discharged regularly.

It is now well established that this machine must become an indispensable implement to the planters of cotton, as its

practical success has been unparalleled, to the extent it has been introduced.

The advantage of planting the cotton seed in a straight line of not more than two inches in width, which it does, enables the planter in cultivating his crop to use two instead of one shovel or scraper, and to bring the earth or mould close around the stalk, and thereby save the expense or labor of hoeing the crop, as has been found necessary when planted in the usual irregular manner.

Price at the shop \$

Discount of per cent. to Wholesale Dealers.

—:O:—

Cairo, Illinois, April 29th, 1865.

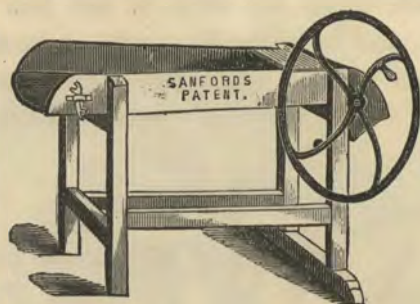
J. G. CLARK, President Middletown Agricultural Works, Middletown, O.

DEAR SIR:—We can not refrain from eulogizing your Cotton Planter. It is, indeed, an invention in the broadest sense of the word, a perfect planter of cotton seed, a thing often before attempted, but never with complete success, because of the fibrous and adhesive character of the seed. This implement overcomes every obstacle, opens the drill, drops and distributes the seed evenly and with certainty, and finally covers them all at one and the same time. A horse, and a man following the machine, will plant about ten acres in a day. We are planting this season between 300 and 400 acres in cotton, are using several of your planters, are a complete success, would on no account think of planting the old method. Our neighbors are in extacies over them, and those not able to buy are hiring the planters.

Very Truly Yours,

S. FENTON & CO.





SANFORD'S
Straw Cutter.

Price, No. 1, \$

Price, No. 2, \$

Price, No. 3, \$

"HOOSIER" FEED CUTTER.

Fig. 1

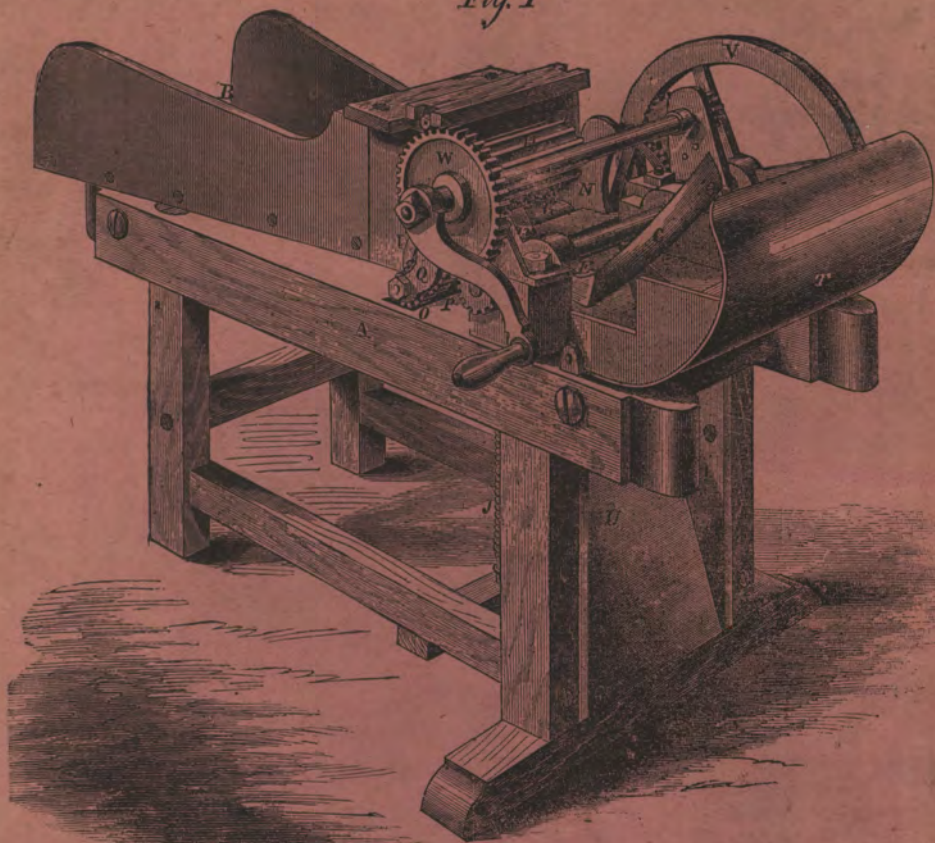


Fig. 2.

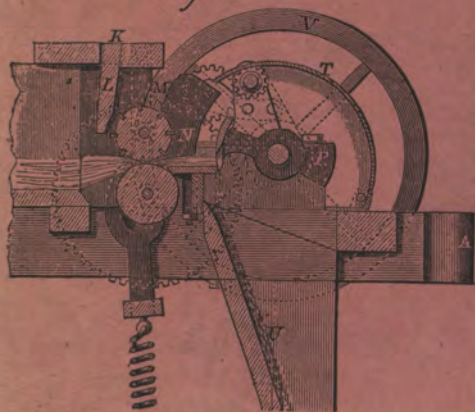


Fig. 3.

