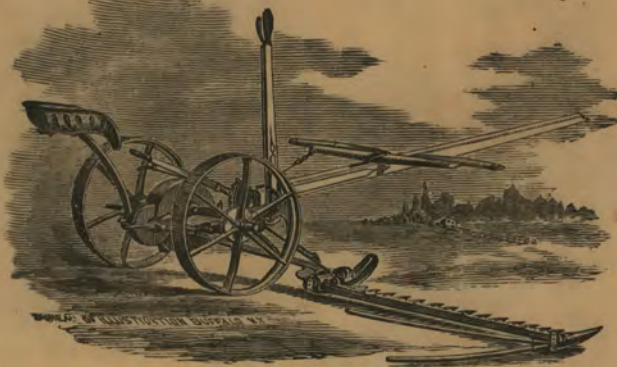


EMPIRE

MOWER AND REAPER



EMPIRE MOWER.

MANUFACTURED BY

CLINE, SEIBERLING & CO.,

DOYLESTOWN, Wayne Co., OHIO.

Haldeman & Houston General Agents,
Cincinnati Ohio

EMPIRE CALENDAR.

1878.		S	M	T	W	T	F	S	1878.		S	M	T	W	T	F	S	1878.		S	M	T	W	T	F	S	1878.		S	M	T	W	T	F	S
Jan.	1878.	..	..	1	2	3	4	5	April.	1878.	..	1	2	3	4	5	6	July.	1878.	..	1	2	3	4	5	6	Oct.	1878.	..	..	1	2	3	4	5
		6	7	8	9	10	11	12			7	8	9	10	11	12	13			6	7	8	9	10	11	12									
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Feb.	1878.	..	..	..	..	..	1	2	May.	1878.	..	..	..	1	2	3	4	Aug.	1878.	..	..	..	..	1	2	3	Nov.	1878.	..	..	..	..	..	1	2
		3	4	5	6	7	8	9			5	6	7	8	9	10	11			4	5	6	7	8	9	3			4	5	6	7	8	9	
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		24	25	26	27	28	..	..			26	27	28	29	30	31	..			25	26	27	28	29	30	31			24	25	26	27	28	29	30
March.	1878.	..	..	..	..	..	1	2	June.	1878.	..	..	..	..	..	..	1	Sept.	1878.	1	2	3	4	5	6	7	Dec.	1878.	1	2	3	4	5	6	7
		3	4	5	6	7	8	9			2	3	4	5	6	7	8			8	9	10	11	12	13	14			8	9	10	11	12	13	14
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The Empire Mowing and Reaping Machine.

 **GAIN** we appear before the farming community, and ask those interested in the advancement of agricultural implements, to make a careful perusal of our annual circular in explanation of our new and improved machine.

The **EMPIRE** is comparatively a new machine, but so unprecedented has been its success, that to-day it occupies the highest rank in the field of mowing and reaping machines.

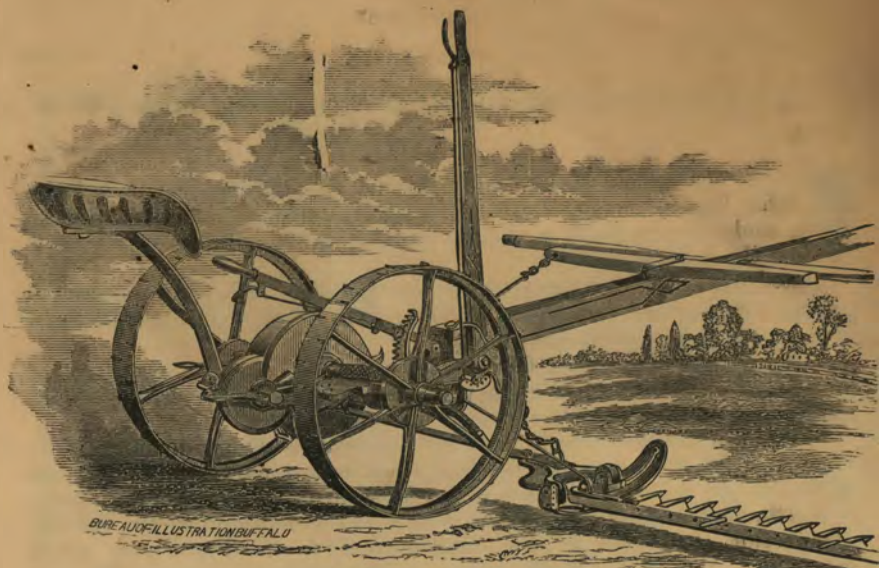
It has had to combat fiercely its position, but with its sword of merit and a strong arm of energy it has gained its wide field of reputation, which it will surely strive to maintain.

There is no implement used by the farmers which demands such care in selection, as does the machine required for harvesting his crops. With this fact before us, we ask a careful scrutiny of the different parts of the **EMPIRE**, feeling confident that by such examination we can readily convince a purchaser of its superiority and excellence over other machines. It is to the direct interest of the farmer to thoroughly post himself regarding the improvements that are constantly being made, especially in the line of agricultural implements, and to bear in mind that the country is flooded with inferior machines, which, unless he is posted, are as likely to find their way on to his farm as the machine of superior merit.

This is an age of progress and improvement. The people of this country are on the progressive, and not on the retrograde. We have yet to reach the top-most pinnacle of our inventive fame, and it is very poor policy for a farmer to conclude that a machine that is old and well known is necessarily the best. The advancement of the age demands the adoption of new things superior to the old.

The **EMPIRE** belongs to the lighter class of machines, and although comparatively new, it is sold in nearly every State and Territory in the union. It has been thoroughly tested in all kinds of grain and grass, and on all conditions of ground, with the most complete success; and for doing good work, for compactness, simplicity, lightness of draft, ease of management and beauty, it stands without a rival in this country.

The world-renowned **EXCELSIOR** Reaper and Mower was the first invention of Mr. J. F. Seiberling, which he first brought before the public eighteen years ago, and although the machine was improved from time to time, so that among the heavier class of machines it occupies the front rank, yet as time progressed, and new improvements were made, it became evident that a lighter machine was also demanded by the farming community. With this idea in his mind, Mr. J. F. Seiberling commenced work about six years ago to invent a machine that would meet the desired requirements, and after patient exertion, and numerous experiments, he has perfected the **EMPIRE** of to-day, which defies competition as a first-class machine.



EMPIRE MOWER—Rear View—4 Feet Out.

The EMPIRE is a single mower or a combined machine, as may be desired. As a combined machine, we use either Seiberling's old reliable Excelsior Dropper, the Sweep Rake, or his new Empire Table-Rake, or the Dropper can be combined with either Sweep or Table-Rake. These Self Rakes deliver the grain to one side, out of the track of the team, and are not excelled as a side delivery. The Empire Table-Rake has been severely tested during the last two harvests with the most gratifying results, and its magnificent success bids fair to eclipse the crowning triumphs of the EMPIRE MOWER.

Among the features of excellence in the EMPIRE, many of which are not found in any other mower, are the following:

Two Wheels.

1st. It is a two wheeled, front-cut mower, with the gearing on the main axle, between the drive-wheels, and a ratchet to each drive-wheel.

Enclosed Gearing.

2d. The gearing is all enclosed in a small cast watch-shaped case, which completely protects it from dust and dirt.

New Gearing.

3d. The gearing is constructed on a new principle, which consists of the spur wheel and pinion containing two sets of teeth, alternately and intermittingly arranged, the object of which is to overcome leverage, back lash draft and noise, and to permit the gearing to be reduced in size, so that only a small case is required, without the necessity of increasing the number of gear wheels, which has heretofore been the case with all machines having the gearing enclosed.

Tilting Lever.

4th. It has a tilting lever within easy reach of the driver's seat, by which the points of the guards (in either mowing or reaping) are raised or lowered, to cut lodged grain or grass and pass over bogs and obstructions.

New Crank Shaft Box.

5th. The front crank shaft box is made of bell metal in a thimble form, and slit through on the upper side, with a set screw pressing against the side. By this arrangement the wear can be very quickly adjusted.

New Pitman Box.

6th. The pitman box is constructed on the same principle, being a bell metal box slit through on the upper side, with a set screw to take up the wear. This principle of the box has been thoroughly tested with the most satisfactory results.

New Pitman.

7th. The pitman is made of round steel, and is straight, with the connection to the knife-head $1\frac{1}{8}$ inch in diameter, which makes a large wearing surface and is found very effectual to prevent the wear at this point. The pitman can also be made longer or shorter by screwing the pitman rod into or out of the pitman yoke, which is a desirable feature to make the knives center in the guards.

Cast Frame.

8th. The frame is cast in one piece, and will not warp or bend and throw the shafts out of line, as is the case when made of wood or wrought iron.

Only Four Gear Wheels.

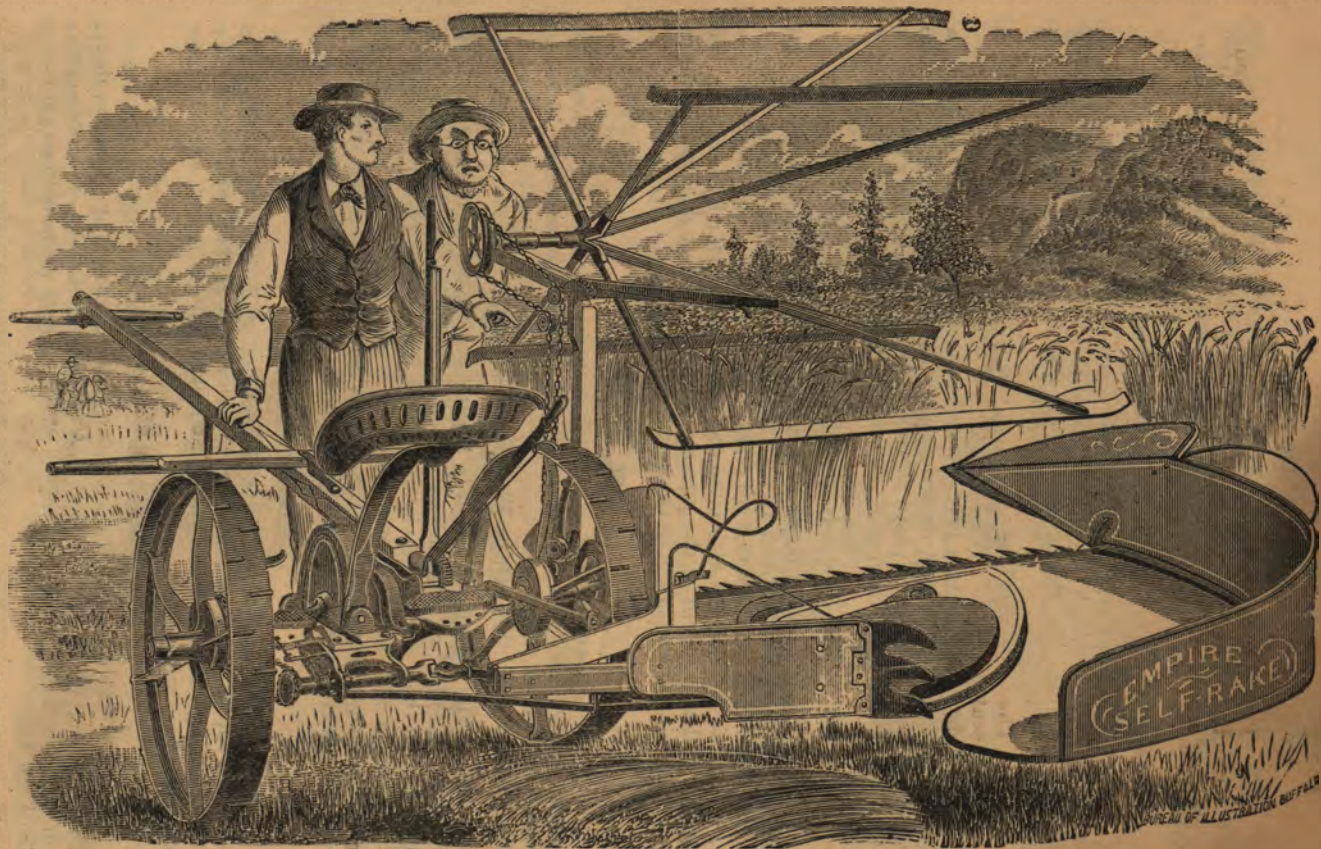
9th. The EMPIRE is the only practical enclosed gear machine now built, with only two wheels and two pinions for its gearing, none other having less than three wheels and three pinions, and some as high as four wheels and four pinions, which is a very important item, as the greater the number of wheels the greater will be the friction, draft, wear and complication, which is evident to any practical mind.

Sections Project.

10th. The sections of the knife project over the back of the knife rod, and lay on the front upper surface of the finger bar, which forms the rear bearing surface of the knife, instead of the knife rod, as is the case in most other machines.

No Weight on Horses' Necks.

11th. The pitman plays close to the drive wheel, thus contracts the front end of the main frame, and throws the weight of the finger bar on the main axle, leaving no weight on the horses' necks when the driver is on his seat.



SEIBERLING'S EMPIRE TABLE-RAKE, WITH ADJUSTABLE REEL, REAPS 5 Ft. 4 In. WIDE.

Reaping Attachment.

12th. The Mower is so constructed that a Reaping Attachment can at any time be ordered by the purchaser of a Mower, and attached without making any changes.

Oiling Facilities.

13th. The oiling parts and oil-can are within easy reach, so that the entire machine can be oiled by the driver without leaving his seat.

Throwing In and Out of Gear.

14th. The machine is thrown in and out of gear by a lever under the driver's seat, within easy reach of the driver, which starts and stops all the gearing.

Flexible Finger-Beam.

15th. The finger-beam is connected to the main frame by a double jointed coupling, which gives it perfect freedom to conform to the inequalities of the ground, independent of the frame, and allows the cutting apparatus to be folded up for transportation.

Shear-Edged Guards.

16th. The guards are malleable iron, and are made with a hardened shear-edged steel guard plate, which comes in contact with the knife and forms the most perfect cutting apparatus.

Removable Guard.

17th. When the sharp edge of the guard plate becomes dull, or worn, the guard can be readily removed from the bar by a common wrench, as the guard is connected to the bar by a single bolt, and the plate ground on a common grindstone, and thus always be kept in perfect order, which is a very important feature in a mowing machine.

Draft.

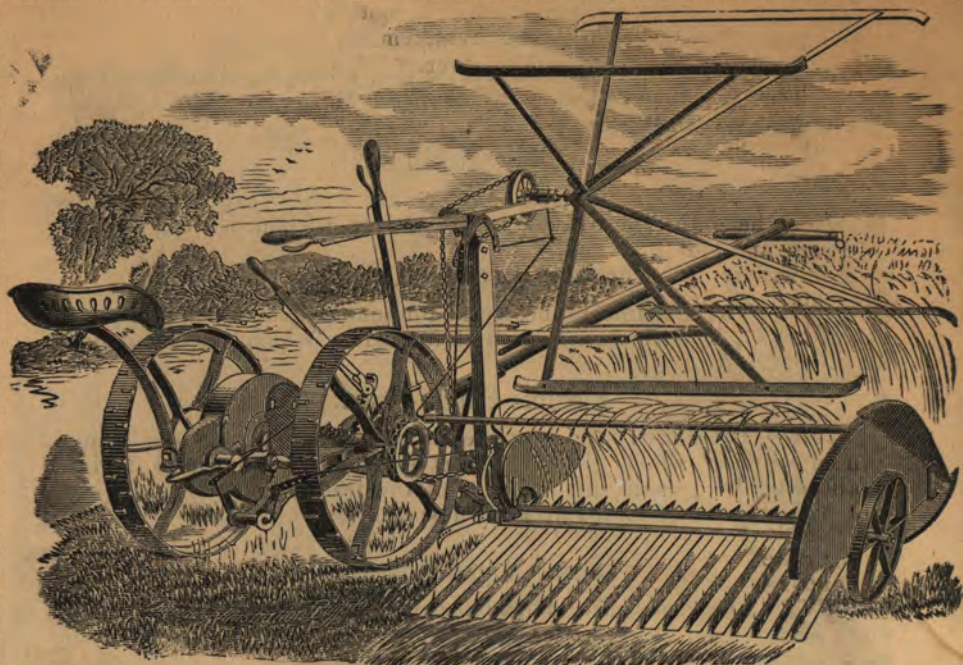
18th. The EMPIRE has the reputation of being the lightest draft machine in the country. The draft has been tested in different conditions of grass and uneven ground at various times, and is found to range from 120 to 160 pounds.

Width of Cut.

19th. The EMPIRE mows four feet wide and reaps 5 feet 4 inches wide. Each combined machine has two finger-bars.

COMBINED MACHINE.

As a combined machine, for both mowing and reaping, we furnish the EMPIRE MOWER with either the Dropper attachment, the Sweep-Rake, or the new Empire Table-Rake, or the Dropper Attachment, with either Self-Rake which will fit on any mower without making any changes.



DROPPER.

The Dropper is the old reliable Excelsior Dropper, Mr. Seiberling's first invention in the line of reaping machines, made twenty years ago, and is known and used, with slight variations, by nearly every manufacturer of reaping machines throughout the country, and it is well known that for simplicity, lightness, durability, and doing good work, it has no equal as a self-delivering attachment among the entire family of reaping machines, and were it not for the one objection that is sometimes made, of leaving the grain in the track of the team, it would be the only reaping attachment now in use. Where this objection is found, and a farmer desires an attachment that will deliver the grain outside of the track of the team, we furnish our new side delivery Table-Rake.

TABLE-RAKE.

The Empire Self-Rake, a cut of which is seen on 6th page, is one of the recent inventions of Mr. J. F. SEIBERLING, and its use the past two seasons in every variety and condition of grain, has given the Rake a thorough test, which has been of the most satisfactory character, and has demonstrated that for lightness, simplicity, ease of draft and doing good work in all kinds of grain, it has no superior in the family of self-rakes. The rake is of that class that moves the grain from the inside against the outside divider-board, then takes a circular sweep and delivers the grain in the rear of the machine, out of the track of the team, and is

operated by a lever, which receives its motion from a chain that moves around an irregular path on the platform. The rake is entirely under the control of the foot of the driver, who can stop and start the rake at pleasure, and cause it to rake when desired. We intend to furnish the rake the coming season to those wishing a side delivery, and can fully recommend it as among the best self-rakes now in the field.

SWEEP-RAKE.

Which has been tested and used in the harvest field for the past six years, and found not to be excelled by any other Self-Rake before the public, having less side draft, is durable, yet of less weight and lighter draft, than Sweep-Rakes of other machines in use. Like the Dropper, it is controlled by a treadle under the drivers' foot, and either one of the rake heads can be made to rake off the gavel, making any size that may be desired.

The gearing of the rake is directly coupled to the main shaft or axle, thus avoiding the clumsy chain and pulley arrangement of other machines, and giving a direct action. The platform is attached to the machine both in front and rear, its weight being evenly borne down in front to take up grain lying on the ground, or it can be made to cut stubble fifteen inches high without stopping its operation. The reel or rake heads being attached to the platform, move with it, and always, under every change of leveling the grain up to the knives.

ADJUSTABLE REEL.

With both the Dropper and Table-Rake we use the Adjustable Reel, which can be readily operated by a lever from the driver's seat. This is one of the most important features that has been applied to reaping machines for the last five years. By means of a lever that is within easy reach, the driver can instantly, without stopping the team, drop the reel down to within four inches of the sickle, or raise it up two feet from the sickle, and thus always keep the reel in the proper position to reel the grain that is being cut, which is very important, as it is well known by those that have run reaping machines, that when the reel is too high, and cannot properly reach the grain, it is not possible to do good reeling, and when it is too low it is apt to pitch the grain back over the platform. Over the old reel (which has no means of quick adjustment) the operator has no control when the machine is in motion, which, in long, short, and tangled grain, when found in the same field, it is impossible to do good work. This reel is another of Mr. Seiberling's inventions, and is secured to him by patents.

DIRECTIONS.

To insure the perfect working of the machine, keep the knives sharp. They should be ground at least once per day. Keep the journals and cogs of the gearing well oiled with sperm or lard oil. Keep the pitman box and front crank shaft well adjusted, so that the journals will not have more play than is necessary. The boxes can be quickly adjusted by turning the set screw at each box with the wrench; see that the knife section will be in close contact with each guard plate, which sometimes becomes otherwise, by some of the knife sections or

guards becoming bent by driving into obstructions. By observing these directions you will have no trouble with your machine.

WARRANTY.

The **EMPIRE** Mowing and Reaping Machine is warranted to be well made, of good material, and when properly used not liable to get out of order, and to cut, when properly managed, one acre per hour, or ten to twelve acres per day, either grain or grass, in a workmanlike manner, with a pair of horses. The purchaser is allowed to cut five acres of grass, and also five acres of grain, on trial, and in case anything proves defective, due notice must be given to us, or our agent, and time allowed to send a person to put it in order. If it does not work after this, and the fault is in the machine, it will be taken back, or that part of it which proves defective will be replaced, or the money paid for it refunded.

Keeping the machine during harvest, whether kept in use or not, without giving notice as above, shall be deemed conclusive evidence that the machine fills the warranty.

It is also warranted to be well made, and of good material, and, when properly managed, not liable to get out of repair.

Keep the knives sharp, and the bearings, or journals, well oiled.



AWARDS.

To the **EMPIRE MOWER** was awarded a Grand Medal and Diploma by the Commissioners of the great World's Exposition, held at Philadelphia in 1876. This was one of the highest awards given to any mower on exhibition at the great Centennial Show, which but few of the machines that were there represented can boast of.

At a field trial held at Norwalk, Ohio, July 6th and 7th, 1877, under the auspices of the Huron County Agricultural Society, the Empire was awarded the first premium as a mower, being lighter draft, easiest managed, and best workmanship.

FINGER BAR IN FRONT.

The public are not generally aware of the great danger attending the use of machines that have the finger bar and sickle arranged behind the drive wheels. Nearly all the accidents that we hear of, where the driver is thrown before the sickle, occur with machines that have the finger bar behind instead of before the drive wheels. The reason of this is at once apparent when examined. When a finger bar on a front cut machine comes in contact with an obstruction, it raises the inner drive wheel, and if the driver is thrown from his seat he will fall on the opposite side of the machine, away from the sickle. When a finger bar on a rear cut machine comes in contact with an obstruction it has just the opposite effect, and instead of raising the inner drive wheel, it has a tendency to pull down and raise the outside wheel, and if the driver is thrown from his seat he will fall towards the sickle, and as the sickle is back of the driver, he barely ever escapes falling before it.

COVERED BY PATENTS.

The Adjustable Reel, the new Self-Rake, the Dropper, the new Gearing, the Tilting Lever, the Coupling Arrangement, the new Journal and Pitman Box, and a number of other features found in the EMPIRE machine, are the inventions of Mr. J. F. SEIBERLING, and are secured to him by patents. And although a number of the different manufacturers of harvesting machines are using some of these features in the construction of their machines, under license from him, yet none have the features combined in their machines to such a perfection as we find them combined in the construction of the EMPIRE.

REPAIRS INVARIABLY CASH.

When you order machines or repairs, be particular to mention the following:

1. Town, County and State, to which they are to be shipped.
2. Whether by Freight or Express.
3. When Repairs are wanted, state size and kind of machine, what year purchased, and give the number of each casting.
4. Your Post Office address.

Repairs for machines will be kept on hand by Agents, and all orders for machines or repairs will receive prompt attention.

For terms and prices to dealers, address,

CLINE, SEIBERLING & CO.,
DOYLESTOWN, O.



THE SWEEP RAKE.

Which can be attached to Empire Mower, and can also be attached to Empire Mower and Dropper.

TESTIMONIALS.

State of Missouri, County of Sullivan, ss.

This is to certify that the under-signed, a citizen of the County and State aforesaid, do hereby certify that I bought of Mr. George Spake one of your Empire machines, and have cut with it, the present season, about 125 acres of meadow, and can say that I have been using other machines for the last ten or fifteen years, and never had a machine that worked as well as the one alluded to above. For durability, ease on team, and nice work, I think that it is perfect. I can further state that I this season employed a neighbor, who owns a Woods machine, to cut about six acres of heavy grass that I had on a bottom, and after cutting, or trying to cut it for two days, at the end of the second day he hauled his Woods machine out, and said that it was so thick and tangled that he could not cut it. I drove my Empire in, and in a few hours I cut it, never making a stop. Grass can't be too thick or tangled. I asked no odds for my Empire. I give these facts for the benefit of my brother farmers.

EPHRAIM HOLLEN.

To Messrs. Cline, Seiberling & Co., Doylestown, Ohio.

Milan, Mo., August 14, 1877.

This certifies that I purchased of Mr. Spacht an Empire Mower, with which I have this season mowed 80 acres of heavy grass, and can truly say that (after having used machines of other manufacturers for a number of years) I prefer it to any machine I have ever run or seen run, and that others in my immediate neighborhood, having seen the machine for the first time, and seeing its work, acknowledged that it is the machine for this country.

JEREMIAH G. SMITH, D. C. Clerk.

Atwood, Indiana, Dec. 20, 1876.

Cline, Seiberling & Co.:

Dear Sirs: I purchased of your agent, George Gault, an Empire Mower, this season. I cut over all kinds of ground, smooth, rough, hillside, and marsh, and it did most excellent work. In my opinion, the Empire cannot be beaten. It runs very light, and has no side draft. I have not been to any expense, save for oil, and have used one knife only.

JOHN STINSON.

Holland, Lucas Co., O., Jan. 10, 1877.

Cline, Seiberling & Co.:

Gents: I take great pleasure in recommending the little Empire. I bought one of your agent last July, with which I cut 24 acres of grass. I think the little Empire is the easiest and best running machine I ever saw. I will not get out of the way of any other machine.

Yours truly,

A. C. SLUSSER.



MOWER REPAIRS



REAPER REPAIRS

MOWER REPAIRS.

No.	Price.	No.	Price.
1 Gear Clutch.....	\$1 50	34 Lever Stand.....	\$1 00
2 Tool Box.....	1 00	36 Main Frame.....	18 00
3 Seat.....	1 75	37 Frame Lid.....	2 50
4 Spur Wheel.....	4 50	38 Lid Hinge.....	25
5 Bevel.....	4 00	39 Lever Sheave.....	1 00
6 Bevel Pinion.....	1 00	40 Tongue Socket.....	60
7 Crank Wheel and Wrist.....	2 50	41 Pitman Shield.....	1 00
13 Tool Box Lid.....	30	42 Insole Mower Shoe.....	2 50
14 Left Hand Pawl.....	25	43 Brace Bar Coupling.....	2 00
15 Right ".....	25	50 Lever Stop Support.....	30
16 Lever Sheave Pawl.....	25	51 Lever Trigger.....	1 25
18 Grass Divider Socket.....	60	73 Left Hand Pawl Wheel.....	1 25
19 Drive Wheel Nut.....	25	35 Tongue Support (old).....	2 00
32 Drive Wheel.....	8 00	93 " (new).....	2 00
33 Right Hand Pawl Wheel.....	1 25	90 Pitman Box.....	1 00

DROPPER REPAIRS.

No.	Price.	No.	Price.
11 Upper Reel Pulley.....	\$1 00	52 Reel Joint Ratchet.....	\$1 00
12 Reel Hub.....	1 40	53 Reel Joint Arm.....	75
17 Inside Reaper Shoe.....	2 50	56 Treadle Pall.....	20
22 Reel Post Support.....	1 75	74 Chain Spring Support.....	36
23 Lower Reel Pulley.....	1 25	75 Cut-off Socket.....	50
24 Treadle Support.....	1 25	82 Grain Wheel Support.....	1 40
25 Outside Reaper Shoe.....	1 50	83 " " Axle.....	75
37 Inside Dropper Hinge.....	60	84 Reel Chain Tightener.....	40
28 Outside.....	30	85 " Lever Pall.....	20
44 Grain Wheel.....	2 25	103 Cut-off Elbow Support.....	80
45 Treadle.....	75	122 Reel Hub Support.....	1 25
47 Chain Pulley Support.....	1 00		

TABLE-RAKE REPAIRS.

No.	Price.	No.	Price.
60 Sprocket Wheel.....	\$2 00	70 Sprocket Wheel Support.....	70
61 ".....	1 25	76 Rake Arm Support.....	1 00
62 ".....	2 00	77 Slip Toggle.....	80
63 ".....	75	78 Fast.....	60
64 ".....	1 00	79 Mitre Pinion.....	75
65 Rake Shaft Clutch.....	1 00	80 Rake Shaft Support.....	2 75
66 Universal Joint.....	1 50	81 Chain Pulley.....	30
67 Platform Shaft Box (old).....	1 50	83 Treadle Support.....	25
94 " " (new).....	1 50	89 Clutch Shield.....	30
68 " " Cap.....	75	91 Fender Hinge.....	40
69 Sprocket Wheel Shield.....	2 00		

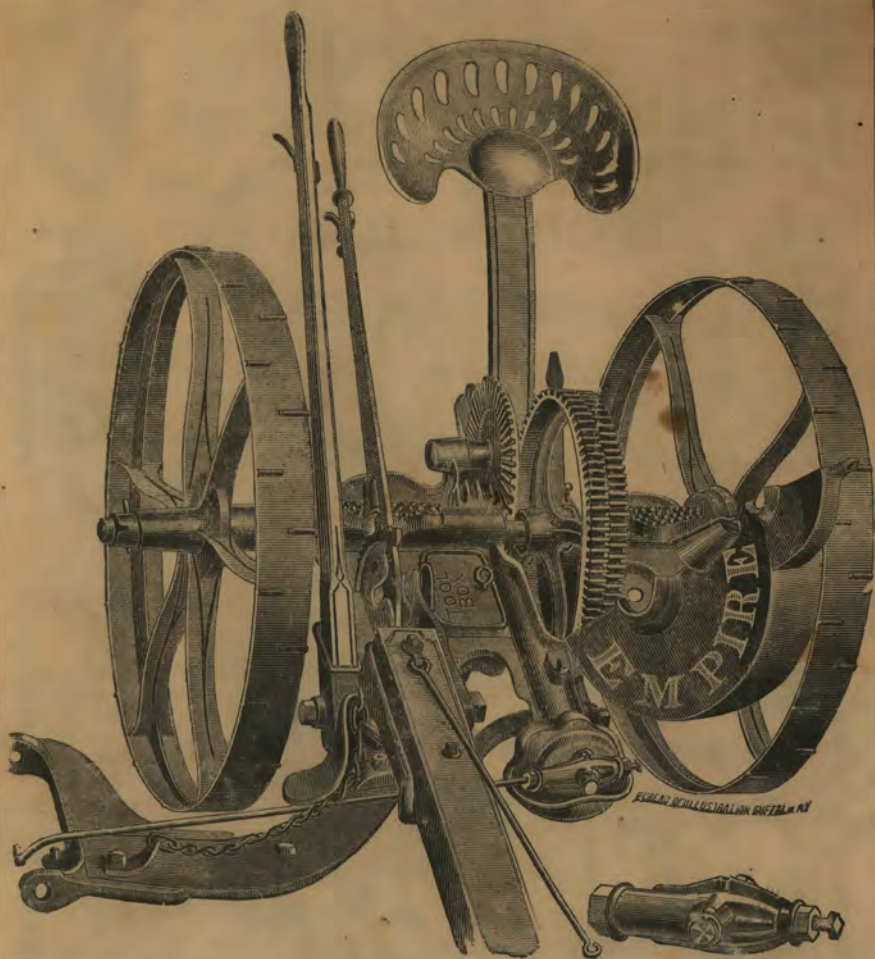
MALLEABLE IRON REPAIRS.

No.	Price.	No.	Price.
0 Sickie Cap.....	15	58 Rake Arm Hinge.....	50
8 Outside Mower Shoe.....	\$1 50	59 Rake.....	1 50
21 Knife Heel Support.....	60	86 Shield Support.....	50
45 Pitman Yoke.....	75	87 " Socket.....	30
48 Mower Knife Cap.....	15	92 Chain Pin Bearing.....	15
49 Pitman Washer.....	10	Large Chain Link.....	15
55 Mower Guard.....	50	Small " ".....	10
57 Rake Arm Hinge.....	50	Pin " ".....	15

REPAIRS NOT NUMBERED.

Price.		Price.	
..... Reaping Sickle, 20 sec. 3x2 1/2.....	4 50	 Reaping Sections, 3x3 1/2.....	15
..... Flax Knife, 20 sec. 3x2 1/2.....	4 50	 Mowing Section, 3x3 1/2.....	15
..... Mowing Knife, 16 sec. 3x3 1/2.....	4 50	 Flax Knife Section, 3x3 1/2.....	15

EMPIRE MOWER,



WITHOUT THE FINGER BEAM, AND THE LID RAISED, SHOWING
THE NEW GEARING AND PITMAN CONNECTION.