

RUSSELL'S
SCREW POWER
MOWER & REAPER,
COMBINED,
WITHOUT COG GEARING.

PATENTED :

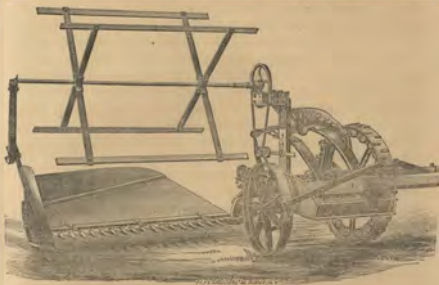
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MANUFACTURED BY

RUSSELL & TREMAIN,
MANLIUS, ONONDAGA CO., N. Y.

RUSSELL'S SCREW POWER



Combined Mower and Reaper

Was first tested in the summer of 1860, first manufactured and introduced, in the season following, since which, every succeeding year the introduction has been more general, the number manufactured greatly increased, the Machine more *thoroughly tried and tested* and its reputation as a *first-class Machine established* beyond controversy.

In the minds of most practical mechanical and agricultural men, there is, "*at sight*" of our peculiar *Power* for propelling the Cutters, a conviction often expressed, that "*it must work;*" "*must work easy;*" "*must be durable, it is so simple,*" &c., &c. In the light of experience and practical use these convictions become *confidence* that such are the *facts*—particularly in the mind of the Farmer.

It has not been our aim to produce a Machine for mowing and reaping, burdened with "*ingenious or original devices,*" and *complex mechanical contrivances,* "*protected*" by patents innumerable,

that we may come before the Farmer with an *extended programme* of the many *wonderful feats* our Machine is capable of performing; well enough in *theory*, though often amounting to but little in *practice*. Neither have we thought it the part of wisdom to follow in the footsteps of some of our predecessors in the manufacture of this class of implements, by covering up the defects of some superannated Machine, by a modern arrangement of parts, giving to the result a new or high sounding title, but instead, have sought a *radical and substantial improvement*, even though in so doing, we may have discarded or ignored certain of those "established mechanical principles" upon which other of our competitors base their strength. This improvement is found in the *Screw Power*, (we speak of the manner in which motion is communicated to the knives.) With it we most *perfectly combine all the essential elements necessary to a good Mowing and Reaping Machine*.

In view of the fact that there are many excellent Machines made and sold, with reputation established as such, having their advocates and friends in all sections of the country, it is evident that no claim to *superiority* could live, unless sustained by real worth or merit. We will, in as few words as possible, without wearying the patience of the readers of this circular by a lengthy dissertation upon Machines in general, or a treatise upon what a Mowing or Reaping Machine *should do, or be*, but at once state what our Machine *will do, and is*; setting forth the points in the Screw Power Mower and Reaper that must render it the *most desirable Combined* grass and grain Harvester manufactured, leaving it to the practical common sense and good judgment of our American Farmers educated in the use of, and familiar with this class of implements, to decide after a fair and impartial trial of Screw Power vs. Cog-gear, whether we have anything in the same worthy of their patronage and support.

First, we may notice as most *important*,

Good Work

in grass and grain. Every Farmer understands the signification of this term, and in what *satisfactory* work consists—which is, briefly, in part a *clean, smooth cut* in all grasses and grain, *without clogging*, whether light, heavy, standing or lodged; on hills, level, smooth or rough ground. In this qualification, our Machine is *superior* to many that are called good Machines—is *inferior to none*, either in Mowing or Reaping. To perfect work, we add the

Easy or Light Draft

for the team, with which it is done. We have no hesitation in saying, that our Machine will perform the same work with *less power* than any other Combined Machine having the same width of cut; that it will do the same work with *greater ease for team* in the same, or even *less time*. This is clearly shown by the various tests by Dynamometer and otherwise to which our Mower has been subjected within the past four years, witnessed and conducted by some of the best and most intelligent farmers in the country, demonstrating the fact, that the *draft of the Screw Power Mower is from 25 to 30 per cent. less than the average* draft of other Machines, length of bar and other things being equal, which makes the draft *less* than the average draft of small Mowers or "Pony" machines.

The above statement will not appear improbable when the manner in which the required motion and power is communicated *directly* to the cutter bar, without the aid of cog-gearing, and the *perfect simplicity* of the Screw and Roller-gear is taken into consideration, being but a combination of a single thread-iron screw upon the crank shaft, with a series of friction rollers upon the face of the drive wheel.

Cogs or cog-wheels are not found in our Machine, neither is the *friction, binding, pinching, breakages, wear and tear* incident to cog-gearing, as found in Reapers and Mowers. We here insert a cut, with description explanatory of the Screw or Original Power, as sometimes styled.



A represents a section of the main frame. As the drive wheel, B, revolves upon its shaft, the conical friction rollers, C C, twenty-one in number, follow each other up the flange of the screw; D, the passage of each roller giving the screw one revolution; at the foot of this screw is attached the pitman crank E.

These rollers are of *chilled iron*; the *pins* upon which they turn are also

hardened, (the surfaces of contact, of which, by use, assume the polish of glass) the upper or *bearing* end of the screw shaft is *steel pointed*, and these being the only points of motion, save the ordinary boxes or bearings, and but three of these, it follows that the loss of power by *friction* must be *exceedingly slight*, and that the Power, in the same proportion must be *very durable*. The Screw Power Mower and Reaper, is, in its construction, the

Most Simple

ever successfully introduced; requiring the least mechanical skill to keep it in repair, and because of its simplicity, is not liable to break, or otherwise get out of order, with proper care.

Durability

being another important feature of our Machine, and one of importance to all who take economy into consideration; this in machinery follows simplicity, and is still further attended by a judicious and workmanlike use of *good materials*, put together upon mechanical principles, a knowledge of which, for our specific purpose, may only be obtained by patient study, experiment and experience. We have devoted our time and energies, for the last four years, to the *perfection* of our Machine, and can say with a degree of pride and satisfaction, that our efforts have not been without their reward, in that we are able to offer the Farmers of the United States the *lightest draft* Mower and Reaper, in *work* and *workmanship* inferior to none; perfectly combining with these desirable ends, *simplicity* and *compactness*, with *strength* and *durability*, as found in the

SCREW POWER

COMBINED MOWER AND REAPER

Improved for the Year of 1864.

Our improvements are various, made with a view to add to the convenience, strength, and *more perfect* operation of the *Machine*, will add much to its value and usefulness.



As a Mower,

the Screw Power is universally acknowledged by all agricultural men acquainted with its work and construction, to be better adapted to all sections of farming country, and to all kinds of work, than any Mower ever before built—combining, as it does, the *strength, durability and "wide cut"* of the first-class "large machines" in common use, with the *light draft and ease of operation* of the "small Mowers" with short bar.

The perfection with which it adapts itself to uneven surfaces, its *clean cut* over rough meadows, doing its work as well as any Farmer could desire or ask, renders our Mower a universal favorite with those who have used it in seasons past.

We would here, in reply to a question sometimes suggested by persons desiring information regarding our Machine, say, that our "*motion*" is sufficiently high for all *practical purposes*, for cutting any variety of grass, with an ordinary *slow team*, yet it is not so great as to prevent a team from doing their work at a good *brisk business pace*, without their being overtaken. In many Mowers the extreme rapidity of motion will *not allow* the team to move faster than a *slow walk*, without injury; thus we contend, that *too much motion*

is as great, or a greater detriment to a Mowing Machine, than an occasional lack of it. All the motion given to the Cutter bar, *beyond* what is necessary to *do the work required*, only consumes or *balances* so much *horse power*, as it is a principle in mechanics that whatever is gained in motion, is lost in power, and *vice-versa*; so as the motion is *increased*, in a still greater ratio is the *durability of the Machine decreased*. *Very high gear* is one of the great *objectionable features* of nearly all of the small Mowers of the day, yet in these *light Machines* it is a *necessity*; *rapidity of motion* being substituted for *power*, their weight not being great enough to hold them to the earth and their work, or to give them sufficient momentum to overcome any extraordinary resistance; there are but few, if any, of these light Machines, that have *strength* to endure this *necessity* to which we have alluded.

The Frame or Bed

of the best seasoned ash or elm timber, is thirty-one inches in length, forward of the Drive wheel, twenty-two inches in rear of the same, is supported on the outside by the Drive wheel, thirty-five inches in diameter, with five and one-half inches width of rim, or bearing surface. The inside of the frame is carried by a "support wheel," of 32 inch diameter, 3 1-2 inch rim; on the inner face of the Drive wheel are the friction rollers, acting (as previously described) upon the single thread *screw*, cast solid upon a wrought shaft; the crank at the foot of this shaft is connected by the pitman *directly* with

The Knives and Cutting Apparatus.

These are situated a little back of the driver, *in the rear of the frame*, where they should be in all Mowers—where they *must* be located to make a good Reaper, for the reason that the driver should see his work, and any obstruction before his knives reach it, because he is less liable to be thrown, and his horses less liable to back into the Cutters. No Reaper with cutter bar *in front*, can deliver the grain in as good and satisfactory a manner as those with the cutting apparatus in the rear of the frame.

The Guards

found in the Screw Power Mower, *are open*, (or of Hussey's patent) and *malleable iron*, with a steel plate or face ground to cutting edge. With the perfect "shear cut" we get with the knives playing upon

this plate, kept in motion by our *superior Power*, with proper management, it is impossible to clog the Machine in any kind of grass you chose to put it. The edges of these plates may be renewed by grinding. Our guards are pronounced by those most competent to judge, to be *very superior* in form, strength, and finish. The Cutter bars, (three inch sections) Finger bars, Shoes, &c., are of the best material, fitted with nicety, and in a good, workmanlike manner. The Cutters may, by means of

The Lifting Lever,

within convenient reach of the driver, by him be raised at *one motion*, to pass over stones, mown grass, or other obstructions, may also be readily adjusted to cut at any desired height. The outer end of the Finger Bar is supported by a small wheel running within the Shoe. Width of cut in mowing, four feet and eight inches. The whole cutting apparatus complete, plays upon, or is connected with the body of the Machine by a

Double Jointed Hinge

which will, however uneven the surface of the meadow may be, allow the Finger bar to conform to its surface, cutting clean and even over knolls and ridges, and through hollows, as if upon a plain, because of the freedom of the bar to follow the inequalities of the ground *independent of any other part of the Machine*. Our *Jointed Hinge* is *very simple and strong*, and is, in many respects, an improvement upon those found in other Machines.

On the Road,

or in transporting from field to field, *the bar may be folded up to a perpendicular position*, and safely secured. The Machine will run *with the ease and quiet* of a cart, *without motion or friction* in any part of the gearing when thrown out of gear, (at pleasure) by a light lever, by the hand of the driver. The driver has a "roomy" position, and an *easy seat*, which may be thrown to any side of the frame, and *over the Drive wheel on side hills*, or wherever a *perfect balance* of the Mower is desired. The Screw Power Mower has

No Side Draft,

or weight on the horses necks. Of the

Light Direct Draft,

we have spoken in a former part of this circular. That we have not too highly recommended this as a characteristic feature of the Screw Power and Mower, we have the *figures* to show, and abundant testimony to prove; on other pages we give some of these figures—with them we present a few of the many “depositions” that might be given—from Farmers in various parts of the country, who, by their *personal experience and knowledge*, are prepared to judge *correctly* of the Machine manufactured by us, and to *recommend it both as a Mower and*

As a Reaper.

The Screw Power Mower is readily and quickly changed to a Reaper. The fixtures comprising a Reaping “Attachment” may be added to a *Mower* the same year of the purchase, or in *any succeeding year*, as we build but one sized Power, with the same length of bar. In Reaping

The Bar is Flexible,

as in Mowing. The Grain Wheel swings as a castor, and turns corners without cramping.

The Platform

is so constructed and situated that the grain may be raked from it *with ease*; *delivers at the sides*, leaving the gavels in good shape for binding, and out of the track of the Machine on its next round.

The Reel

is operated by a chain, running from a shieve on the axle of the Support Wheel, which (the chain,) may be run slack or tightened at pleasure. The Reel, with the Platform, adjusts itself readily to uneven ground—the two maintaining their position to each other as perfectly as in a rigid bar Reaper.

The *seats of both Raker and Driver* are *easy* and readily adjusted to any required position. The same

Easy direct Draft, Freedom from Side Draft, and Weight on the Horses Necks, Clean, Smooth Cut, Simplicity and Compactness,

renders the Screw Power as desirable and superior a Machine for *Reaping* as for Mowing.

The Machine either with or without the Reaping Attachment, will be sold at a

Low Price,

placing it within the reach of every Farmer ;

Is Warranted

to be a *good, successful Mower*, and a *good, successful Reaper* ; to do Mowing and Reaping better than can be done with scythe or cradle ; capable of cutting grass or grain at the rate of an acre per hour, or twelve to fourteen acres per day, with one pair of horses. (Farmers who own and use the Screw Power, say with any *light or young team*, and that they can do it *with ease*.) Is further warranted to be built of *good material*, and in a *good workmanlike manner* ; that it is not liable to get out of repair or order, with proper care.

Persons purchasing the Screw Power, will be offered an opportunity for a

Trial of the Machine,

upon the following conditions. When put in operation, if the Machine fails to perform as warranted, the purchaser shall immediately notify us or our agent of the fact ; giving us time to remedy the defect, if any, or to give such instructions as are necessary to its proper management : if upon one day's trial in grass or grain thereafter, it still fails to "work," indicating some mechanical defect in the Machine, we will replace the same by one that *will* perform satisfactorily, or refund any payment made.

To all Farmers who propose buying a Machine for the Haying or Harvest of 1864, we would say, go and see the Agent, whose name and address may appear on the last page of this Circular ; examine his Machine, and its improvements, and we are confident that its appearance will please you so well, that you will at once

Give us Your Order.

RUSSELL & TREMAIN,
Manlius, Onondaga Co., N. Y.

TERMS :

Price of Combined Mower and Reaper, - - - - -

Price of Mower, - - - - -

Delivered at _____



Reaper at Work.

WILKINSON & BROTHERS

TESTIMONIALS.

We insert a few of the many testimonials that might be given of parties that have used, or have seen used, one of Russell's Mowers and Reapers:

The following extracts from a letter dated August 13th, 1861, written by Henry S. Randall, Esq., Cortland, to a friend of his, (which we publish by permission,) will give the opinion of a gentleman who has the reputation of being one of the most thorough, practical and scientific farmers in Central New York, as to the success of the Screw Power Mower. He says:

"Mr. Melvin, Agent, brought one of Russell & Tremain's Mowers to us. We liked it better in heavy grass than any of the Machines we tried, and so we concluded to keep it. It is my impression that the peculiar application of the Screw Power in this Machine will prove a great success. Its results are, very light draft, little wear, and a very small liability to get out of order. It is easily understood, too, so that any one can soon learn to take care of it, in case of need re-adjust or put in order any part of the machinery. I think the people about here are much disposed to like this Machine, and that as soon as good times come it will sell readily."

We give below a letter from Henry Keeler, Esq., President of the Westchester Co., N. Y., Agricultural Society.

SOUTH SALEM, N. Y., Aug. 8, 1861.

Messrs. Russell & Tremain—Dear Sirs:

Through the politeness of Mr. K. Q. Lyon, I have had an opportunity to examine and test your new Mower, and so far as I could judge from what I saw of it, in the short time that I could possibly devote to its examination, I am free to say that it has several important improvements over any other Machine. Among them are, *simplicity of construction, ease of draft, freedom from side draft*, and with some few improvements, which Mr. Lyon informed me had already been made, I do not see any reason why it will not immediately take its place as one of the best machines of the day. Of course I cannot speak of its merits or demerits with that confidence that I could if I had given it a longer trial, as my attention was mostly taken up with testing the draft of the machine with the Dynamometer, and as facts and figures are more reliable than the opinion of any one, I will briefly say, that I tested it with our Society's Dynamometer in two different fields of grass. The first was in a field of Timothy not over heavy, the machine set to cut rather high. The machine cutting 4 ft. 8 in., shows a draft of 150 to 175 only. The Dynamometer indicated an even, steady strain. The other was in a field of natural meadow, the grass very thick, ground soft, and altogether such as is a severe test for any machine. In a trial it showed an average draft of 150 lbs. The Allen Machine cutting the same width, showed an average draft of 300 lbs. In the same grass. If these few lines are of any use to you, you are at liberty to use them; and allow me further to say, that I am not interested in the sale or manufacture of any machine, farther than a desire to see the best machines introduced among my brother farmers.

Yours Truly,

HENRY KEELER.

We give below a letter written by B. P. Johnson, Esq., Secretary of the New York State Agricultural Society, a gentleman well known to Agriculturists of this State as a man of sound judgment in all matters pertaining to the interests of the farmer, and one whose opinions may be relied upon whenever expressed. Mr. Johnson witnessed the operation of our Machine in England, while acting as U. S. Commissioner at the great International Exhibition held in London during the summer of 1862.

U. S. EXHIBITION, Aug. 23, 1862.

Having to-day witnessed the trial of Russell's Screw Power Reaper, on the farm of John Wells, Esq., at Merton, near Wimbledon, in company with others, I am gratified in being able to state, that the operation of the machine was in the highest degree satisfactory. The draught was very light, and the machine was operated by Mr. Wells and one of his men, with entire ease, doing its work well and in a manner that must commend it to all. One of the gentlemen present had purchased one of the machines for Spain, and was desirous to witness it in operation, and was highly gratified with its performance.

B. P. JOHNSON, U. S. Commissioner.

I concur in the statements made by B. P. Johnson, Esq., in relation to the working of Russell's Screw Power Reaper, and fully endorse them, having also been present at the trial of said machine.

D. RICOTE.

Comisionado per la Provincia Segovia.

T. B. TAYLOR.

Juror, International Exhibition, U. S.

The following letter is from the Messrs. Funk, who are known as the most extensive farmers in the West. Their recommendation will be considered as good authority by all who are acquainted with these gentlemen, whose signatures are attached, either personally or by reputation:

Bloomington, McLean Co., Ill., Dec. 7, 1863.

Messrs. Russell & Tremain—Gentlemen:

The Screw Power Mower we purchased of your Agent, R. W. Burt, Atlanta, and used the past season, has given us good satisfaction and we find it to excel any Machine we have tried, for ease of draft (there being no side draft) and good work; easily turned in grass, and moved about the farm or upon the road. We have no hesitation in recommending it to farmers in need of a good Machine.

ISAAC FUNK,
GEO. W. FUNK,
JACOB FUNK.

At the annual trial of Mowers of the Marcey Agricultural Society, Oneida County, N. Y., the Committee reported as follows:

At a trial of Mowers, on the farm of W. D. Wilcox, in the town of Marcey, in this County, on the 5th of July, five large Mowers were entered and five small ones. And it was the opinion of the Committee, that four of the large ones were good machines for business; but they think that Rus-

sell's Screw Power Machine is preferable. Of the small Mowers, we think that Wood's is preferable, and that the rest are so near equal that it would be difficult to make the distinction.

TRUMAN PEASE, Chairman.
J. W. HANNAH,
WM. POTTER,
I. H. CHANE,
M. H. HEMMINGWAY,

Committee.

At a trial of Mowers, held at Casnovia, N. Y., July 1st, 1863, under the auspices of the Casnovia Town Agricultural Society, the Committee report as follows:

Your Committee examined the machines in the order in which they were entered, and report:

No. 1, Wood's machine. There was one fault that they particularly noticed, that could not be assigned to fault in anything but the machine itself—namely, the cut-bar did not adapt itself to the irregularities of the ground as well as could be wished. By the Dynamometer the draft required to work the machine in grass was 250 lbs., cut 4 ft.

No. 2, Monitor No. 1. It performed the work well; but the side draft was, in your Committee's opinion, an objection. Draft 225 lbs., and cut 4 ft. 8 inches.

No. 3, Buckeye Junior. Draft 200 lbs., cut 4 ft. 1 inch. It performed the work well. Side draft slight.

No. 4, The Monitor; worked well; and your Committee could find little fault with it, except in the side draft, which was too apparent to escape notice. Draft was 200 lbs., length of cut 4 ft. 8 inches.

No. 5, Hubbard's one horse, worked well at fast or slow motion, but the draft required is a serious objection.

No. 6, Ohio,—Ball's patent,—does the work well; side draft slight. Draft heavy, 250 lbs., cut 4 feet.

No. 7, Hubbard's two-horse machine. Draft required to work the machine in grass, too heavy. 225 lbs., cut 4 ft.

No. 8, Buckeye Senior, works well both at fast and slow motion. 225 lbs., cut 4 ft. 8 inches.

No. 9, Kirby's Single Mower; side draft rather too heavy, but otherwise performed the work well. 225 lbs., cut 4 ft.

No. 10, The Farmer, performs the work well, but will not adapt its cut-bar to the irregularities of the land as well as should be desired. 185 lbs., cut 4 ft. 9 inches.

No. 11, Russell's Screw Power Machine performed the work well. The cut-bar adapts itself to the irregularities of the land well; side draft is very slight. The draft required to work the machine in grass, as shown by the Dynamometer, was 200 lbs., cut 4 ft. 8 inches.

Your Committee should say, that the machines were all moved by one team in succession; and the team was driven by the same driver throughout the trial of the draft required to work the machines.

The Mowing Machines tested worked so well that your Committee were in some doubt to which one to give their preference, but finally came to the conclusion to award the first place to Russell's Screw Power machine; the second to the Monitor, large pattern; third to Buckeye Senior.

The merits we find in Russell's Screw Power machine, which have decided your Committee to give that machine the preference, are: first, the side draft is very slight; second, the cut-bar adapts itself to the irregularities of the ground readily; third, runs with little noise; fourth, the draft required, in proportion to the length of cut-bar, is very small; fifth, the machine works well generally.

Your Committee were in some doubt how they should decide between the respective merits of Russell's Screw Power machine and the larger Monitor; but were finally decided to place Russell's Screw Power machine first, on account of the side draft of the Monitor being much greater than in Russell's Screw Power machine. Many machines struggled for the third place, but the Buckeye Senior finally settled therein.

In making this, their report, your Committee have endeavored to do substantial justice to all the machines entered at the trial, and also to deal with fairness to all parties concerned.

Your Committee respectfully beg leave to present this as their report.

C. HYDE BECKWITH,
SYLVESTER COHN,
MERWIN CLARK,
LEVI KEITH,
HIRSH HOOGE.

YONKOS, Mich., July 3d, 1863.

Sir:—I take this opportunity to write you the result of the trial of the Russell's Screw Power machine which Mr. Wright and I took on trial. We tried the machine in very heavy clover, badly mowed, and are well satisfied with the trial. We think it a No. 1 machine. Mr. Wright has used both the Buckeye and Ball machines and says this exceeds them both for light draft and cutting close. I think the simplicity and strength of the Screw Power is ahead of any other machine I ever saw.

Respectfully Yours,

JAMES GARRISON.

To H. B. Gregory, Agent, Oshtemo, Mich.

At a trial of Mowing Machines in June, 1862, under the auspices of the Yonkown Agricultural Association, N. Y., the draft of the various machines was tested with the following results:

MACHINES.	WIDTH OF SWATH.	NO. OF LBS.
Monitor Cutting.....	4 ft. 4 inch.....	draft 225
Ohio, Jr.....	3 ft. 8 inch.....	" 175
Buckeye, No. 1.....	4 ft.....	" 225
Union.....	3 ft. 11 inch.....	" 225
Allen, Jr.....	3 ft. 10 inch.....	" 200
Cayuga Chief, Jr.....	3 ft. 10 inch.....	" 175
Westchester.....	3 ft. 10 inch.....	" 225
Wood.....	3 ft. 8 inch.....	" 210
Hubbard, Jr.....	3 ft. 8 inch.....	" 190
Russell's.....	4 ft. 6 inch.....	" 190

The Judges in making their report, said the machines all performed their work so well they were unable to decide which was the best.

A trial of Mowing and Reaping Machines took place on the farm of Benson Thomas, near the village of Manlius, August 11th, 1862. The grass selected was not heavy, but afforded a good variety for testing the work of the machines. A Committee was appointed who made the following report:

REPORT OF COMMITTEE.

Your Committee have carefully examined the quality of the work done by the different Mowers, and find it so well executed that they could not feel warranted in making a distinction. There was a difference in the amount of work. The Russell's Screw Power cut over the greatest surface in a given time, but the Committee think that difference was partly owing to the teams.

The Machines were removed to heavier grass for testing the draft, which was done by a Dynamometer in the usual way, with the following results:

Russell's Screw Power, driven by Russell, cut 4 ft. 6 inches, draft 225 lbs.

Hubbard's, driven by Hubbard, cut 4 ft. 6 inches, draft 245 lbs.

Eagle, driven by Harrington, cut 4 ft. 1 inch, draft 250 lbs.

Ohio, Jr., B. C. Beard, Agent, cut 4 ft. 1 inch, draft 225 lbs.

In testing the draft, the Russell's and the Eagle Machines cut closer and better than the Hubbard and Ohio Jr.

Your Committee are unanimous in their opinion, that they should give their preference for the Russell's Screw Power Mower.

Respectfully submitted,

DANIEL BONOUR,
LEWIS LOSEY,
WM. Z. WARREN,
THOS. KESHAU,
GEO. JONES, } Committee.

SOMERS, WISCONSIN, Dec. 29, 1862.

Sir:—My machine was all, and more too, that you recommended it to be. I would not part with it at any price, could I not re-place the same. It is allowed by all that saw it work, to be the best machine out. It does its work the best, is the lightest on the team, the most simple and durable, that has been introduced here. The whole country with a few exceptions, has to be supplied with new machines within the next three years. No man that has ever seen one of these work, but is bound to have one when the old one is used up; for its simplicity, durability and lightness of draft, recommend it to all.

Yours,

AMBROSE SPENCER.

DEWITT, N. Y., Aug. 15, 1861.

Messrs. Russell & Trevelin:

The machine you sold me gives me entire satisfaction. The good quality of its work, its easy draft, simplicity, and little friction and wear, its cheapness, recommend it highly to the consideration of all farmers.

J. H. SMITH.

CANTON, N. Y., Sept. 2, 1861.

Messrs. Russell & Trevelin:

I have used your machine in mowing and reaping, and take pleasure in recommending it to other farmers, as it has given me satisfaction in its work. Its light draft, I am confident, cannot be excelled by any other machine that I have used. My farm is very hilly.

J. F. THOMPSON.

POMFRET, SEPT. 2, 1861.

Messrs. Russell & Trevelin:

The Machine which I purchased of you gives me entire satisfaction. The easy draft of teams, its good work, simplicity of construction, and cheapness in price, recommend it highly to the consideration of all farmers. I had a good Allen Machine which I disposed of to get one of yours, being then well satisfied that your Machine was much superior.

JAS. A. SCOVILLE.

IONIA, Ionia Co. Mich., October 29, 1861.

Messrs. Russell & Trevelin—Messrs. N. Y.—Gents:

Your agent, at Ionia, A. W. Kimball, Esq., has requested me to give my opinion of the Mower and Reaper manufactured by you, viz: Russell's Screw Power. I purchased, through him one of your Combined Machines, the past summer. I gave it a thorough trial. No machine extant can do better work, and it runs very light. I like the Screw Power, or the means of communicating the necessary motion to the knife. Nothing yet discovered can equal it; while it is simple, it is efficient, and must be durable. The machine is entirely free from side draft, as a mower, and is well adapted to a rough or uneven surface. To a farmer no better recommendation can be given, than the privilege of making a thorough trial before purchasing; this your agent has offered.

Yours &c.,

JOHN R. WILCH.

NORTH MANLIUS, N. Y., Nov. 16, 1861.

Messrs. Russell & Trevelin—Gents:

I have used your Mower and Reaper two seasons, and take pleasure in saying that it has performed its work in every instance, perfectly. The ease of draft, I think, is not excelled in any machine. I have used it in mowing and reaping on very rough land; it has in all cases given entire satisfaction. I consider it by all means the best machine going.

Yours Truly,

H. S. DEWEY.

PINE GROVE, Schuyler Co., N. Y., Sept. 20, 1862.

P. S. Smith, Esq.—Agent:

It is with pleasure that I add my testimonial in favor of your Mower and Reaper. I consider it to be the simplest constructed, as well as the most durable machine, that I ever saw. I have

mowed over 150 acres of land this year; some of it was very rough and stony; my expenses for repairs has not amounted to one dollar; I have done the most of it with one team. I could not ask for a machine to run lighter or cut better than Russell's Screw Power.

Yours &c.,

WM. GILES.

Messrs. Russell & Tremain—Sirs:

I have used your Screw Power Mower and Reaper for the past three years, with great satisfaction to myself. I have cut from fifty to one hundred acres with it each year, for myself and others. I have used it in heavy grain and grass; never have known it to clog; never have had it get out of repair. My expenses for repairs for three years has not been fifty cents, and it is as good now as when built, except natural wear. Its perfect working powers cannot be beat; as for draft, I never have seen the machine that drew as easy as the Screw Power—preferring to use my team on it to almost any other business on the farm. When I bought this machine, my oldest son was six years old; he has drove the team to cut all my grain ever since.

Respectfully Yours,

H. C. FILLMORE.

Mr. C. E. Herrick—Agent:

I have used one of your Screw Power Machines the past season, on all kinds of ground, in reaping and mowing; it works first-rate. I have cut where the Kirby had tried to cut and could not—were compelled to give it up; your machine done the same with perfect ease. I can cheerfully recommend it to all who want to buy a machine. It works very easy for the team, and is very convenient to lay the grain from. It is without side draft.

Yours Truly,

FRANK STEVER.
BENAJAH TODD.

JERUSALEM, Yates Co., N. Y., Nov. 25, 1863.

Messrs. Russell & Tremain—Dear Sirs:

After using your Screw Power Mower three years, I am prepared to say that it exceeds my expectations, in neatness of work in all kinds of grass. It is pleasing to see with what ease a light team moves along in the heaviest clover, without any perceptible side draft, doing the work in the best manner. I have mowed from seventy to eighty acres each year, without having occasion to go to a shop for repairs. I have had the machine onto an old neglected farm, a part of which was left in the furrow and very stony at that. The owner said it could not be mowed with a machine, and I can assure you it went through remarkably well, all the damage done the machine, was dulling the knives. It is still in good working order. I think the manner of obtaining the power in your machine is far preferable to any in use. Yours, Respectly,

E. H. DAMON.

BRIDGEPORT, Madison Co., N. Y., Nov. 29, 1863.

Messrs. Russell & Tremain—Gents:

I have used your Mower and Reaper three seasons in grass and grain, and have, I think, given it some severe tests; have mowed on side hills up and down; have cut almost all kinds of grass, heavy, light and wet,—in all places your mower has done its work well, as well as it is possible for a machine to do it. Its draft is very easy, is no more work for a team to haul it than it is for them to plow. I find it a very durable machine. It has cost me but little for repairs, though I have given it some pretty rough usage. I believe there is no machine that can perform its work better in all places than yours. Can cheerfully recommend it to farmers wishing to buy. Its work in reaping is satisfactory. If I was to buy another machine to-day, it should be a Screw Power.

Yours, &c.,

MANIUS, Oct. 3, 1863.

ELIJAH WESTON.

Mr. M. L. Crompton, Agent, Maumee City, O.:

I have used Russell & Tremain's Screw Power Machine, in mowing. I find it the lightest draft of any machine I have seen work. It has given me good satisfaction as a mower. I have not tried its reaping qualities yet, but see no reason why it will not reap to perfect satisfaction.

Yours, Truly,

W. B. GUNN.

Messrs. Russell & Tremain:

I used the Mower and Reaper I bought of you, in cutting, during the past harvest, about sixty acres of grass and fifty of grain. As a mower, in lightness of draft, on rough or smooth ground, lodged or standing grass, cut either wet or dry, it did the work admirably to my entire satisfaction. I used the reaper in fields of more or less uneven surface, and was well pleased with the completeness with which it cut and laid the grain upon the platform. The adjustable reel is just the thing for side bill and uneven surface. The ease with which the Reaper is worked by the team, I think, will make it a favorite with all that use it.

DAVID COLLIN, Jr.

DEWITT, Onondaga Co., N. Y., Nov. 6, 1863.

Messrs. Russell & Tremain:

I have used the mowing machine purchased of you last July, to cut about one hundred and fifty acres of grass. I have tested it thoroughly, in light and heavy grass, on smooth and rough meadows, and am well pleased with its operation. Its light draft, the perfect manner in which it performs its work, together with its simplicity, strength and durability, must recommend it most favorably to any farmer.

Yours, truly,

A. F. WILCOX.

Mr. A. W. Kimball, Agent, Delta, Mich.—Sir:

The mowing machine I purchased of you last summer—Russell's Screw Power—has given entire satisfaction. It works to a charm. It is decidedly the lightest draft machine I have ever seen used, it being no work, comparatively, for a small team to handle it in the roughest grass. I have

OAKFIELD, Kent Co., Mich., Sept. 30, 1863.

cut my own grass, a large quantity for my neighbors, and have worked it the entire season thro' without accident. You can say so much to the manufacturers if you desire to.

Respectfully,

HARRY OSGOOD.

CHITTENANGO, N. Y., Nov. 20, 1863.

Messrs. Russell & Tremain:

I take pleasure in informing you that the Screw Power Machine, which I purchased of your agent, Mr. O. A. Chapman, this season, is all you recommend it to be. I believe it to be the best machine in use.

CHARLES FREEMAN.

PORPEY, N. Y., Dec. 7, 1863.

Messrs. Russell & Tremain:

We have used your mower and reaper three seasons, with perfect success; have mowed and reaped about three hundred acres the past two years, with a trifling expense in repairs, and during that time have had it in as difficult places as a machine can work, *without any trouble*. Our machine does not clog. We have been asked the question repeatedly: "Will not those rolls and pins soon wear out?" As yet they have worn but little. We have mowed ten acres per day, without sweating or tiring the team perceptibly. Our team is rather light. It also works well in reaping, though we have not tested it as thoroughly in reaping as in mowing.

Respectfully,

E. & D. D. BARNES.

CHITTENANGO, Madison Co., N. Y.

Messrs. Russell & Tremain—Gents:

With the experience I have had with your machine, I think it is the best mower in use. It is very easy draft, and durable. I used it mowing my clover seed this fall, which was very heavy and lodged bad. I think it worked as well as any machine could, under the circumstances.

Yours, truly,

HENRY R. SHAVER.

FAYETTEVILLE, Jan. 15, 1863.

Messrs. Russell & Tremain:

The Reaper purchased of you in June last was thoroughly tested on my farm in the following harvest, and with very satisfactory results. The perfect manner in which it does the work, readily adjusting itself to all conditions of surface, the good order in which the grain leaves the platform for the binder, together with the lightness of draft, less than any machine of which I have knowledge, combine, in my estimation, to make it one of the best machines in use.

CHAS. H. MEAD.

TRENTON, Wayne Co., Mich., Dec. 8, 1863.

Messrs. Russell & Tremain:

Last summer I used one of your mowing machines, furnished me by your agent, P. E. Saunders, of Detroit. I do not hesitate to say that it is one of the very best machines now in use. I cut about thirty-five acres of grass; about four acres of the ground was so rough I could not ride on the machine, therefore I walked and drove the team, cut the grass, and cut it well. In good bottom, I cut an acre in fifty minutes. In standing grass I can stop and start again, without backing up. In fact, in every instance, the machine worked to my entire satisfaction. I would say to the farmers, if they want a desirable light draft and easy managed machine, by all means try the Russell Screw Power.

Yours, respec'y,

ORINZO RICE.

CHEBO, N. Y., Dec. 20, 1863.

Messrs. Russell & Tremain—Gents:

I purchased one of your Screw Power Mowing Machines this season, and not having run a machine before, and no experience in handling them, I must say I am well satisfied with the article. Having tried it in heavy timothy and in fine June grass, also in very stout clover, well filled with bull thistles, at each kind of work it was all right, and mowed much better than I could do with a scythe, (and I always thought I knew how to handle a scythe.)

JAS. WRIGHT.

NAPERVILLE, Dupage Co., Ill., Sept. 19, 1863.

E. Ackerman, Esq., Agent, Danby, Ill.—Dear Sir:

Having used one of Russell's Screw Power Reapers, during the past harvest season, I take pleasure in saying that I regard it as the best Reaper in use, it having been tried and done the work to my entire satisfaction.

CHRISTOPHER SORRE.

PORPEY, N. Y., Nov. 22, 1863.

Messrs. Russell & Tremain—Gents:

I have used your Screw Power Mower and Reaper for two seasons past, and am well satisfied with its working as a Mower and Reaper. To speak particularly:—First, the machine works perfect and runs very easy; Second, it appears to be very durable and strong, is very simple in its construction, and not liable to get out of repair. Think I have thoroughly tested my machine.—I have caught fast on stumps, when mowing with a good team, and the machine has always held them down without breaking anything. I have also mowed in lodged clover, where it was a very heavy growth and a thick, fine bottom of quack grass partially dried up, without any difficulty.—I mowed two acres of grass that had been overflooded by the high waters of last spring, which was very muddy at the bottom, without grinding my knives; this was the worst mowing I ever saw; some machines had to grind very often, others could not mow it at all; but I found no trouble in mowing this grass. I also mowed muddy bottom for Morgan and Sanford Lewis, and for H. B. Bowen. Let the people inquire of the above named persons if they wish.

LUCIUS PICKETT.

VICTOR, Ontario Co., N. Y., Nov. 6, 1863.

Messrs. Russell & Tremain:

Yours of the 11th ult. came duly to hand. The Reaper worked well the past season, both as a Mower and Reaper. It is pronounced by impartial observers to be the lightest draft machine in this section.

Yours, truly,

DAN'L SHERWOOD.

NORTH MANLICK, Dec. 8, 1862.

Messrs. Russell & Tremain—Gents:

Having used your Screw Power Mower and Reaper for the last three summers, and cut over three hundred acres in the mean time, I have to say that in all the machines that I have met with, I am perfectly satisfied that as a Mower and Reaper on Bunker Creek Flats, or any splades, I can take them all down. The only expense I have been at for three years, is two dollars and twenty-five cents, and I think the machine is all right for at least three more seasons.

JOHN TAFFNER.

CICERO, Onondaga Co., N. Y., Oct. 1, 1862.

Messrs. Russell & Tremain—Gents:

I have thoroughly tested your Screw Power Mower, in various kinds of grass,—have cut perhaps sixty acres, in all which it has given me satisfaction. I find it very easy draft. My ground is quite rough, with many dead furrows. Would cheerfully recommend your machine to farmers, as the best mower that I am acquainted with.

CHAS. WRIGHT.

NASHUA, IOWA, Nov. 16, 1862.

Mr. D. M. McConnell, Agent, McGregor—Dear Sir:

According to agreement, I will let you know how that Screw Power Mower worked with me.—As I had grass to cut that was very light and fine, also that which was very heavy, I have formerly had a great deal of trouble with machines, some doing very good work in the heavy grass, but would not cut the light; again, others would cut the light grass, but would not work in the heavy. The Screw Power works admirably in both. I have often said that I could beat the world in mowing, and I now say that it will do the best mowing of any machine I ever saw work. As for its reaping, it works easier for both man and team, leaves the grain in good shape for binding, and leaves the stubble a little the handsomest of any machine I ever saw perform in the harvest field.

Yours, truly,

C. L. SPAULDING.

WATKINSVILLE, Madison Co., N. Y., Dec. 4, 1862.

Messrs. Russell & Tremain—Gents:

I purchased in July last of your agent, for this vicinity, O. H. Chapman, Esq., Perryville, one of your Screw Power Mowing Machines. I cheerfully recommend it to farmers as a superior machine. I have used several kinds, and prefer this after trial to any I ever used. It cuts clean and smooth, without clogging in any grass, and I have given it a thorough test in both heavy and lodged, on wet and dry land, and on uneven surface,—everywhere it worked like a charm, pleasant and easy for both man and team.

Yours, respyly,

RALPH H. AVERY.

PERRYVILLE, Madison Co., N. Y., Dec. 1, 1862.

Messrs. Russell & Tremain—Sirs:

I purchased of your agent, Mr. O. H. Chapman, one of your Screw Power Machines, which I have used the past season, both for mowing and reaping, and am satisfied that it is the best machine in use.

BENJAMIN BUTTS.

DANBY, Dupage Co., Ill., Oct. 29, 1862.

Messrs. Russell & Tremain:

I purchased of your agent, E. Ackerman, Esq., one of your Screw Power Combined Mower and Reapers, and having used the same two successive seasons, I can say it ranks No. 1, and cheerfully recommend it to my brother farmers, as a machine that will give satisfaction.

Yours, respyly,

MILTON SMITH.

BRUFF POINT, Yates Co., N. Y., Oct. 20, 1862.

Messrs. Russell & Tremain:

The "Screw Power" I purchased of your agent, Mr. C. E. Herrick, I am much pleased with; think it superior to any other Mower and Reaper in use, and would say to farmers, try it for yourselves.

GEORGE D. MOORE.

DeWITT, N. Y., Feb. 2, 1862.

Messrs. Russell & Tremain—Gents:

I take pleasure in saying, that the Screw Power Mower, which I purchased of you last summer, has performed its work to my entire satisfaction. I have done all my haying and harvesting with it, giving it a thorough test in mowing, reaping in wheat, (very heavy,) in lodged barley, and in cutting of clover for seed; all these varieties of work it has performed perfectly. Its light draft is without parallel. I used but one pair of horses, doing a good day's work without changing, and without fretting them in the least. From my experience and observation, I consider it as a durable and strong machine, as it is simple and compact. I have worked with various machines, but none have done their work so well, and with so much ease for man and team, as your Combined Mower and Reaper.

R. D. CORR.

Isco, Livingston Co., Mich., Sept. 2, 1863.

Messrs. Russell & Tremain:

Your agent, Mr. Dan'l Wright, persuaded me to try and buy one of your Screw Power Machines. At first, I thought I would not like it; in fact, I did not know what I wanted a machine to do, or how to make it do it; but as soon as I learned what I wanted, the machine was all right. The Beckeys, the Ball, and Cayuga Chief, are owned by my neighbors. At first, they laughed at me about my machine, but they have learned that the Screw Power is better adapted for Mowers and Reapers than the old-fashioned cog-gear machines; they are satisfied that I can mow or reap, and do perfect work without injury to my machine, where they will tear the cog-gear machines all to pieces. I can mow on the marshes and through the finest bottom grass, equally as well as in timothy or clover, and certainly the Screw Power is at least twenty-five per cent. the lighter draft.

JEREMIAH NICHOLS.

CAZENOVIA, N. Y., Oct., 26, 1893.

Messrs. Russell & Tremain:

The machine I purchased of you, and have used the past two seasons, has given entire satisfaction, doing its work well, and in good style, under all circumstances. The ease with which it is worked by the team, the manner in which the power is given to the knives, (causing but very little friction compared with cog-gear machines,) with its great durability, must, I think, recommend it to the careful consideration of the farming public. During the past season I have used the Mower and Reaper, in a number of different kinds of grass and grain, mowing the heaviest lodged clover, or the finest swamp grass, with perfect ease. I mowed one piece of grass that yielded about three tons to the acre of dried hay, at the rate of one and a quarter acres in an hour, and did it well. With the Reaper I have cut about ten acres of oats and peas, some of it on quite uneven ground, on which the *adjustable reel* worked admirably. I have also cut two acres of *swed corn* (very heavy) which was well done. In fact in every kind of grass and grain that I have used the machine, it has given *entire satisfaction*.

Yours, resply, JAMES A. HAIGHT.

KIRKVILLE, ONON. CO., N. Y., Nov. 24, 1893.

Messrs. Russell & Tremain:

The Screw Power Mower and Reaper we bought of you has given us the *best of satisfaction*. We have tested its qualities in reaping and mowing on rough and hilly surface, in lodged grain and grass, and think its perfect work, lightness of draft, and durability, cannot be too highly spoken of. We would not be willing to exchange it for any other machine we have ever seen work.

Yours truly,

J. L. BROWN,
ELIAKIM SMITH.

MANFELD, O., Aug. 29, 1893.

Mr. A. Brown—Agent:

I hereby certify that I have used one of Russell & Tremain's Screw Power Mowers, and am satisfied that it is the most efficient power that has been applied to Harvesting machinery. The lightest draft, the least wear and tear, does the work well, and is the cheapest machine now in use.

MAJOR W. S. HICKOX.

WATERVILLE, ONON. CO., N. Y., Oct. 23, 1893.

Messrs. Russell & Tremain—Sirs:

I have used your Screw Power Machine in mowing and reaping the past season, and am well satisfied with its operation. I think I have tested its capability as a Mower thoroughly, as the most of my grass was heavy and badly lodged. I let my machine to Mr. Sloan, who mowed some ten or twelve acres on a side hill; it was badly lodged, very heavy clover and timothy, with thick bottoms of native grass. I was not with the machine while he was using it, but have been on the field since. The work was well done. He first tried another machine, but failed to make it work.

Yours respectfully,

RALPH T. REED.

CHITTENANGO, Madison, Co., N. Y., Oct. 29, 1893.

Messrs. Russell & Tremain:

I have used your Screw Power Mower and Reaper for the past two seasons, and can recommend it to any one wishing to purchase a good machine. I have never seen a machine that does any better work in mowing or reaping. I have used it in very heavy, fine grass, and no Mower could work better. I consider it equally as good as a Reaper. For ease of draft I think it cannot be excelled.

Yours, &c.,

DAVID SOENBORGER.

BROOME Co., N. Y., Sept. 8, 1893.

Messrs. Russell & Tremain:

It is with pleasure that I add my testimonial in favor of the "Screw Power" Mower and Reaper, manufactured by you. I unhesitatingly say, I consider it an invention of great worth, and very soon will take the precedence of all other machines now in use. It is worthy the attention of the economist and every intelligent farmer, being unsurpassed in its ability to work in all kinds of grass and grain, *lightness of draft* and *entire freedom from side draft*, ease of operating, render it one of the most desirable machines known. The change from Mower to Reaper is *simple and easy*; and as a Reaper, it is *entirely successful*.

Yours truly,

GEO. C. OWEN.

BOWLING GREEN, Wood Co., Ohio, Dec. 4, 1893.

Messrs. Russell & Tremain—Gents:

I take pleasure in recommending your Screw Power Reaper and Mower. I bought one last season of your agent—D. Kreps, Perrysburg,—with the guarantee that I could work it with a light pair of horses—one only three years old. It comes up fully to the warrant. I cut my own harvest, and my neighbors', with perfect satisfaction to myself and neighbors. On the last day I started out to another farm after breakfast, cut six and a half acres of heavy grass, and was home again before dinner. Beat it who can.

Yours,

GEORGE BRIM.

MANLIUS, Oct. 27, 1893.

Messrs. Russell & Tremain—Sirs:

I would say, in regard to your Mower and Reaper, that I lived in a neighborhood where there was as good a class of farmers, perhaps, as can be found, and when I went there in '61, there was as many as four different kinds of mowers and reapers around me. I looked at them all, and upon my own judgment, having been a machinist nearly forty years, I bought one of Russell & Tremain's machines, and I have never seen the time when I wanted to exchange it for any other. My son went several times and mowed meadows that others had examined and said they could not be mowed with any machine,—the same of several fields of grain. I prefer them because they do the best work, and are the lightest draft machine that I know of. My farm boys were a great part of the mowing and reaping was in sight of people passing on the road, and the result has been that as many as three of my neighbors, who never had a machine before, have bought them. My successor, on my farm, who had been an agent for the Buckeye, bought mine. You may make such use as you think best of this expression of my opinion of your machine.

LLOYD REMINGTON.

PARMA, Cuyahoga County, Ohio, Oct. 21, 1893.

Messrs. Russell & Tremain :

The machine I bought of your agent, Mr. M. Peck, gives me entire satisfaction. The good quality of its work, its easy draft and simplicity, little friction and wear, together with its cheapness, recommend it highly to the consideration of farmers.

MOSES TOWL.

EUREKA, Montcalm County, Mich., Sept. 12, 1893.

A. W. Kimball, Esq., Agent—Jonia, Mich. :

DEAR SIR:—In reply to your inquiry touching the workings of "Russell's Screw Power" Mower which I purchased of you last summer, I have to say it does its work admirably well and has given me good satisfaction. I think it better adapted to all kinds of work, particularly on an uneven surface, than any machine in use in this neighborhood, and there are several different kinds owned and used hereabout. I can do with it what I little expected a mower capable of doing, and in all the tests to which it has been subjected—they are many and various—it has sustained its reputation admirably. It is entirely free from side draft—with me an indispensable quality in a machine—and it runs so light that my farm team can work it with perfect ease all day. You will be enabled, I think, to sell several in this vicinity another season. You shall have my cordial endorsement for the machine at any time, and such assistance as I can render you in selling. The machine does not clog in any kind of grass.

Respectfully yours,

AARON P. STOCKHOLM.

BRANCHPORT, N. Y., Oct. 27, 1893.

Messrs. Russell & Tremain :

This is to certify that I have bought and used one of your machines the past season, and am highly pleased with it, and think it the best machine that I am acquainted with. It runs very easy, and a small team can run it without trouble.

LEONARD STEVER.

TRUXTON, Cortland Co., N. Y., Jan. 8, 1894.

Messrs. Russell & Tremain :

After a careful examination of different kinds of mowers, I purchased a "Screw Power" of you. I have cut about one hundred and twenty-five acres, and am well pleased with it. I think it is as light draft as the small Hubbard.

WM. PIERCE.

WHEATLAND, Monroe Co., N. Y., Aug. 30, 1893.

Mr. A. H. Gilman, Agent :

DEAR SIR:—I have used Wood & Maury's, Wood's alone, and Ketchum's machines, but I never used a machine that cut so easy for my team as Russell & Tremain's Screw Power, and never had my meadows cut so smooth as it now is. I think the machine is also built for durability and convenience ; it certainly competes to a charm with all others I ever saw in use.

Yours Truly,

D. M. ROGERS.

UNADILLA, Livingston Co., Mich., Dec. 1, 1893.

Messrs. Russell & Tremain :

I have used and seen your Screw Power Machine used as a mower and reaper for two years. I am well acquainted with most other machines in use, and can safely say yours is preferable in many ways, being most durable, less side draft, no weight on the horse's necks, light draft, most perfect in its cut, and can be run as a mower or reaper on rougher ground without getting out of order ; in all these points it excels other machines, as far as my experience goes.

Yours, truly,

DANIEL WRIGHT.

PORTAGE, Wood Co., Ohio, Oct. 1, 1893.

Messrs. Russell & Tremain :

GENTS:—I have bought one of your Screw Power Mowers this season, and am happy to say that it comes up fully to the recommendation given by your agent—D. Kreps, Perrysburg. It does work in a superior manner, is very easy on the horses, and I cheerfully recommend it as a first class machine.

JACOB EBERLY.

MADISON, Madison Co., N. Y., Oct. 20, 1893.

Messrs. Russell & Tremain :

I have used your machine in mowing, and take pleasure in recommending it to other farmers, as it has given me satisfaction in its work. Its light draft, I am confident cannot be excelled by any other machine that I have used, although I have not the late improvements on my machine. The perfect manner in which it does the work, readily adjusting itself to all conditions of surface, and to conclude, I give you the old Latin adage—*missum in parvo*.

GARRET S. SIMMONS.

UNADILLA, Livingston Co., Mich., Nov. 6, 1893.

Messrs. Russell & Tremain :

I bought of your agent for this place one of your Screw Power Machines. I had never used or seen used a machine, and supposed it would take some time to learn how to run it, but when I hitched on my team I found it all right, perfectly simple in its construction and durable in all its parts. Since I got mine I have taken some time and pains to examine other machines, and feel perfectly satisfied with mine. I would advise farmers to give the Screw Power a trial. It must give perfect satisfaction to all.

A. C. NOBLE.

NORTH HUNTER, N. Y., Oct. 1st, 1893.

Mr. J. W. Parker, Ag't—Dear Sir :

I cheerfully recommend Russell & Tremain's Screw Power Mower and Reaper as a good machine. It mows and reaps in a satisfactory manner ; does its work well—better than I expected.

Yours, respectfully,

J. C. DICKINSON.

POMFRET, ONOND. CO., N. Y., Dec. 16th, 1892.

Messrs. Russell & Tremaine:

I take pleasure in stating that your Screw Power Mower and Reaper, that I have owned and used three seasons, has performed its work to my entire satisfaction throughout. I have done all my haying and harvesting with it, giving it a thorough test in mowing and reaping lodged and crinkled grain and grass. Its lightness of draft, simplicity, durability, and the ease with which grain may be laid from it in good shape to bind, has convinced me that it is the best machine that I have seen, being the most simple, compact, and the easiest for man and beast. I will further state that I have never paid a shilling for break or wear during the whole time—there is no place worn on it now of the thickness of a sheet of white paper. In doing my own and other persons' work I have averaged from ten to twelve acres per day, with a team weighing not over Eighteen Hundred, with perfect ease.

Yours, &c., JOHN ELDRIDGE.

COOK CO., Ill., March 28, 1892.

Messrs. Russell & Tremaine:

I used one of your Screw Power Reapers last season, and take pleasure in recommending it to all farmers as being the easiest Reaper to rake from, the lightest draft on the horses—in fact, the best Reaper in every respect that ever came under my notice.

Yours, &c., WALTER SUTHERLAND.

MANLIUS, N. Y., Oct. 26, 1892.

Messrs. Russell & Tremaine—Dear Sirs:

It is with pleasure that I give my experience with your Screw Power Mower and Reaper during the past summer. I have cut over twenty-four acres of heavy grass, most of it very badly tangled, without clogging. I find the draft very light, without side draft. My team is light, but I cut eight acres in eight hours with ease. I think the durability of your Power is beyond comparison. All you need to do to sell your Machine is to give the farmers a chance to give it a trial.

JOHN PARRY.

WEST MILL CREEK, Erie Co., Pa., Dec. 18, 1892.

Messrs. Russell & Tremaine—Sirs:

I bought and used one of your Screw Power Machines the past season, and am well pleased with it. I think it is the best machine I am acquainted with, and can recommend it to all those wishing a good machine. A great deal of the wheat in this section was broken down by a heavy wind and rain storm, but the Screw Power cut it nice, while the Reel, which has been the cracked machine here for some time, done miserable work.

Yours, &c., JACOB FARRER.

BARRINGTON, Yates Co., N. Y., Nov. 15, 1892.

Mr. C. E. Herriek, Bluff Point, N. Y.,—April:

The Screw Power Combined Machine I purchased of you the past summer I think is the best machine now in use. Over a piece of ground which the Ohio Machine mowed last year with great difficulty, I mowed this season with perfect ease, and the owner pronounced it to be in as bad condition for mowing this year as it was last. Also a piece of lodged clover which one of my neighbors had vainly tried to cut with the Hubbard, I mowed with entire satisfaction. Having fully tested it in both reaping and mowing, and with regard to lightness of draft, and other necessary qualifications for a perfect machine, I can fully recommend it to all those who think of buying a machine.

Yours, &c., LEWIS B. OVENSHERE.

Messrs. Russell & Tremaine—Gents:

I have used your combined Screw Power Reaper and Mower, and can testify that it is an excellent machine, does the work well, both reaping and mowing, is light draft, and less friction than any cog power, and is destined to be the Machine.

JOHN P. LUTZ.

MANSFIELD, O., Aug. 29, 1892.

Messrs. Russell & Tremaine:

I am much pleased with the Screw Power Mower I bought of you last June. I have cut with it over one hundred acres of grass of different qualities the past season: have used it in the grass—timothy, clover, standing and lodged, wet and dry, on rough and smooth meadows, and must say it has done its work more perfectly, with easier draft, than I expected. I cut forty acres of wet clover that was heavy and mostly lodged, part of the surface rough and hilly: it done the work admirably well. I have had no trouble with its clogging, or getting out of repair: have used one team to do my mowing, and they have done it with ease. I consider it the best Mower I have ever seen work.

Yours, OLIVER MABIE.

WATERVALE, Onondaga Co., N. Y., October 27, 1892.

Messrs. Russell & Tremaine:

I have used your Mower and Reaper three years, cutting on my farm sixty-five or seventy acres each year. I find it the easiest draft machine that I know of. I run it two years without a shilling expense for repairs, has cost me twenty shillings this season through a little carelessness on my part, have cut heavy and wet grass without clogging, with perfect ease for a light team. I find it a good reaper—has given satisfaction in every respect. I take pleasure in recommending it as the best machine that I have seen worked. You can use my name as reference for any kind of a recommendation you choose to give your Screw Power Mower and Reaper.

EDWARD S. CHAMBERLIN.

WYCLIFF, Ohio, November 12, 1892.

Mr. Bush, Agent, brought one of Russell & Tremaine's Mowers to try in my meadow. I liked the machine so well that, after seeing it used one hour, I bought it. Have used the machine one season, cut fifty acres of grass and twenty of oats without any repairs whatever. Worked it with a

light team; could work them all day without tiring them. Some of my fields were very rough; the machine would work over them easier and do the work nicer than any other. It is, in my opinion, preferable to all others.

FRANK ADAMS,

ORANGE, Ionia Co., Mich.

A. W. Kimball, Agent, Ionia, Mich.—Dear Sir:

For the benefit of those desirous of purchasing a mowing machine another season, I would say I used the one I purchased of you last summer, and am well satisfied. I think the machine unsurpassed by any in use, and equalled by but few, if any. The application of the *Screw Power* to mowing machines is a decided improvement in power over Cog-gearing, as is easily demonstrated in the exceedingly light draft of Russell's machine, when compared with any machine in use. No matter how heavy the grass, or whether wet or dry, a small span of horses will handle the machine with perfect ease all day, doing the very best of work. The simplicity of the machine lessens in a great degree the liability to get out of order, and should an accident happen, any person of ordinary genius can readjust and put in order any of the several parts. I have thoroughly tested the machine I bought, and am fully satisfied it cannot fail to please any one desirous of purchasing a good mowing machine another summer. It is entirely free from side draft, and will not clog in any kind of grass.

Yours, &c.,

CHARLES MATHEWS.

CENTRAL LEXIE, September 5, 1881.

Russell & Tremain:

I have cut some sixty acres of grass the past season with your *Screw Power Mower*, and I can say, after having fully tested it, that it excels any machine I have ever seen in operation. As for reaping, it has done first rate work in my grain. I have not had a chance to try it in standing grain, as mine was all down.

Yours Truly,

D. H. MILLER.

MANLIUS, Nov. 1, 1882.

Messrs. Russell & Tremain:

GENTS:—The *Screw Power Mower* and *Reaper* bought of you this season perfectly answers the recommendation you gave it for easy draft, simplicity, durability and good work. I have used it in all kinds of mowing and reaping, and find it all right, and willingly recommend it as the best combined machine in market that has come under my observation.

Yours &c.,

MUNSON M. THOMAS.

NASHVILLE, Holmes Co., Ohio, Aug. 25, 1883.

Messrs. Russell & Tremain:

The *Screw Power Reaper* and *Mower* I purchased of your agent at Worcester, J. I. Lawrence, this season, mows close in all kinds of grass, and the draft is light. In reaping the delivery is easy and the gables come off nice and straight.

SOUTH FULMEX, Steuben Co., N. Y., Nov. 1, 1882.

Messrs. Russell & Tremain:

I bought one of your *Screw Power Mower* and *Reapers* of C. E. Herrick, your agent at Elletts Point, and have cut nearly two hundred acres of grass the past season with it. I have cut over very rough as well as smooth ground, and found it to perform well; I think better, in all kinds of grass, than any other machine I ever saw. I have used the Buckeye and others. I think for ease of draft your *Screw Power* excels all the other machines. I have a very light team and they have handled it with ease in all work.

Yours Truly,

E. D. NORTHROP.

ELMIRA, N. Y., Aug. 10, 1881.

Messrs. Russell & Tremain:

The *Screw Power Mower* and *Reaper* that I bought of you last season, I have worked upon my farm both in mowing and reaping. I consider the cut, draft and simplicity, to excel anything that I have ever seen before in the way of mowing machines. In fact, I could not ask for a machine that would run lighter or cut better than yours.

JOSEPH HOFFMAN.

POMPEY, Onondaga Co., N. Y., October 2, 1882.

Messrs. Russell & Tremain:

GENTS: I have used your *Screw Power Mower* and *Reaper* three seasons. This summer I bought one of your improved machines for my own place. I have mowed and reaped about one hundred acres this summer. In all of its work it has given satisfaction. Your mower will not choke in any kind of mowing I have had; is very easy draft. In all the work that I have done with your *Screw Power*, and my land is very rough, in this or other seasons, I have had no repairs or breakages—has not cost me one cent for repairs. I think it the best machine that there is built. I am not afraid to work by the side of any of the machines with Cog-gear. The *Screw* can beat them all.

I. F. GATES.

PERRYSBURY, Ohio, December 1, 1882.

Messrs. Russell & Tremain:

I bought one of your two year old mowers last season. Although not considered as perfect as your improved machines, it done its work in tip top order, and would say to all farmers in want of a reaper and mower, buy a Russell's *Screw Power*.

JAS. EDELMAN.

PAYETTEVILLE, Onondaga Co., N. Y., October 22, 1882.

Messrs. Russell & Tremain:

DEAR SIR: I have used your *Mower* and *Reaper* the past season, bought of you in June, and I am much pleased with its work. I have worked with mowers and reapers more than twenty years, and have not used any that did the work so well and with so great ease as yours. In one of my pastures lots of about sixteen acres, the grass grew so stout that I concluded that I would mow it, but thought I should have to use a scythe, as it was quite strong, but finally determined to try your new mower, though it should abrade as it did. So I put it at work over and through the stones, and was surprised to see how nicely it worked and cut the grass. But it was more surprising to see

the meadow after the grass was raked off, how nicely it was mowed, considering the number of stones passed over with the injury of only five or six sections. I have mowed fifty or sixty acres of grass besides cutting my wheat, I think thoroughly testing your machine, and have no need of any repairs. I do not know of a better machine than yours, therefore I recommend it to the farming interest.

DAVID COLLIN, Sec.

BRANCHPORT, Yates Co., N. Y., November 25, 1893.

Messrs. Russell & Tremain :

Two years ago I bought a Screw Power machine of your agent, E. C. Herrick. I cut about two hundred acres of grass and grain, cutting from ten to fifteen acres per day. The farm where I live lies along the lake. I then sold the machine. This year I bought one of the same kind, improved. With it I have cut two hundred acres. I have mowed where it was wet and where it was dry—worked well in all places. For lightness of draft, durability, convenience, and all good qualities, I think it the best machine in use. I paid by a Hubbard as good as new for one of yours; think I was the gainer for so doing.

Yours Truly, LEONARD STEVER.

PORTY, Oneida Co., N. Y., November 6, 1893.

Messrs. Russell & Tremain :

DEAR SIR: I have used Russell's Screw Power Mower and Reaper for the past two years, and it has always done its work to my entire satisfaction. I would recommend the Screw Power to those in want of a good machine in preference to any other, for it has all the conveniences of any machine, and its light draft alone is sufficient to give it the preference over any other mower and reaper yet offered to the public.

Yours Respectfully, CHAS. H. RAYNOIL.

LOSCO, Livingston Co., Mich., December 20, 1893.

Messrs. Russell & Tremain :

I bought one of your Screw Power Mower and Reaper in the summer of '92, and after two year's trial can safely say that it has no equal. I had within this time occasion to use the Cayuga Chief in the same field, with my own team; also have had the Buckeye mowing for me. From comparison I consider your Screw Power at least *twenty-five per cent* the lightest draft machine, &c., perfectly durable in all its parts. After two years use of my machine I would not take any less than I gave for it.

J. T. WRIGHT.

CLOCKVILLE, Madison Co., N. Y., January 2, 1894.

Messrs. Russell & Tremain :

I owned and used one of your Mowers during the past season. I have been present at a number of tests of machines, and have taken a good deal of pains to see your machine operate in a variety of kinds of grass. I am now prepared to say, with confidence, that your mower is superior to any other that I am acquainted with.

ROSES BALDWIN.

GETTYSBURG, Pa., January 7, 1894.

Wm. Widdie, Esq., Agent :

This is to certify that we have used Russell & Tremain's Screw Power Mower and Reaper during the summer of '93, in cutting clover seed, and do unhesitatingly pronounce it superior in quality of work, lightness of draft to any other machine we have before used.

JOHN N. BOYCE,
GEORGE BOYCE.

LIVEN, Broome Co., N. Y., September 7, 1893.

Messrs. Russell & Tremain :

I purchased one of your Screw Power Combined Machines this summer, and was so well pleased with its operation, that I had another one forwarded to a man on a farm I owned, in Illinois. I give you an extract from a letter acknowledging its receipt: "We had worried along with the old Manny machine, (one of Woods) and it had about killed all hands, men and teams. We started the new one at noon. Don't know that we got it right, but guess we did, for it ran until night without stopping for anything but to oil up, with perfect ease to man and beast." To conclude, I would say, that I have watched the progress of your mowing machine very closely since its first invention, and am fully convinced that the principle of the Screw Power is a long reach ahead of any mower and reaper before invented, and that the machine will, in time, displace all others; and that, notwithstanding the army of interested men that will oppose its introduction into general use, (the manufacturers' agents and blowers of other machines are legion,) your Screw has power to raise them all, and it is only a question of time. I have mowed and reaped over a very large territory this season, and much of it being very rough, never having been prepared for mowing, have not put on a new knife, or been to any expense for repairs.

Respectfully,

JAMES HOWLAND.

READING, N. Y., Sept. 30, 1893.

Messrs. Russell & Tremain :

GENTLEMEN—The Screw Power Mower and Reaper I bought of you last year I have worked upon my farm both mowing and reaping. I consider the cut, draft and simplicity to excel anything that I have ever seen before in the way of mowing machines. In fact, I could not ask for a machine that would work better.

P. S. SMITH.

BLUFF POINT, Yates Co., Nov. 15, 1893.

Messrs. Russell & Tremain :

The first mower and reaper I bought was Hussey's improved, which proved a perfect failure, the next machine I purchased was Manny's, which for work is a good machine, but it was a "Awful Killer." I then bought one of your combined Screw Powers, which, from my experience, I can recommend as the best I ever saw. I mowed the stoniest fields I ever saw mowed with a machine with perfect safety and ease. For reaping grain there is no better in use. I reaped my wheat, oats and buckwheat—cuts backwheat nicely. I would recommend your combined machine for mowing and reaping as the best in use, and as a machine that can be kept in repair with the least expense.

O. R. HALL & SON.

ORAN, Onondaga Co., N. Y., October 26, 1892.

Messrs. Russell & Tremain :

DEAR SIRS—After two years diligent search for the best mower and reaper, I am satisfied I have made the best choice by purchasing one of yours. Have mowed fifty-two acres, and some as short grass as I ever saw, with the greatest ease. It has never clogged, and I am satisfied it is the easiest draft machine I have ever seen.

Yours &c.,

LUCIEN HALE.

ORANGE, N. Y., September 4, 1892.

Messrs. Russell & Tremain :

Having bought one of your combined Screw Power Machines, and after fully testing it both in reaping and mowing, it is with pleasure that I recommend it to the farmers as the easiest draft, simplest constructed of any machine that I ever became acquainted with.

ROBERT HUEY.

GETTYSBURG, Pa., January 7, 1894.

Messrs. Russell & Tremain :

I certify that I used one of your Screw Power Mowers for the harvest of '93, and that I did excellent work with the same with but one span of horses. For lightness of draft and clean cut, I don't think it can be surpassed. I also saw it work in grain. I consider it the best machine I ever saw work. If I were buying a machine I would buy no other now in use, and can confidently recommend it to all others.

PETER MACKLEY.

BLUFF POINT, Nov. 18, 1893.

Messrs. Russell & Tremain :

SIRS—Two years ago I bought of your agent, C. E. Herrick, one of your reaper and mowers, which I am highly pleased with. I have an old bottom meadow which yields from three to four tons to the acre, this I mowed with your machine with perfect ease; the Hubbard has failed in cutting the same meadow. I also have cut where the fingers run under water without clogging. I can cheerfully recommend it as the best machine in use. For the two years my expenses has not been over one and a half dollars. The above meadow which I cut contains twenty-five acres. As a combined machine and mower it can't be beat, in my opinion; at any rate would not not exchange my machine for any new one of any coggeared pattern.

WM. MERRITT.

MADISON, Madison Co., N. Y., Nov. 8, 1893.

Messrs. Russell & Tremain :

I have used your machine the past season and feel perfectly satisfied in regard to its manner of doing work, readily adjusting itself to all conditions and kinds of surface. My farm being both level and hilly, I think I have given it a fair trial on that point, and as regards the lightness of its draft, its simplicity and durability, there is no other machine, that I have yet seen, that I could be induced to exchange mine for, unless it was for one of Russell & Tremain's, with the late improvement.

Yours truly,

G. M. L. SIMMONS.

TABLE ROCK, Adams Co., Pa., January 7, 1894.

Messrs. Russell & Tremain :

GENTS—I take pleasure in saying that the Screw Power Mower and Reaper which I purchased of your agent, Wm. Whittle, Gettysburg, last summer has performed the work to my entire satisfaction. I have done all my haying and harvesting on two farms, besides cutting some for my neighbors. It surpassed my expectations in the manner in which it done its work. I consider it a very light draft machine, easily worked with one span of horses, very simple in its construction, yet durable and not easily got out of repair, easily changed from a mower to a reaper. I consider it a complete machine in every respect, and can confidently recommend as such to all who wish to purchase a good machine.

HENRY LOWER.

CHITTENANGO, Madison Co., N. Y., Jan. 1, 1894.

Messrs. Russell & Tremain :

For the benefit of farmers I will say a word about your Screw Power Machine which I purchased of your agent, O. H. Chapman, last summer. I have given it a thorough trial in mowing and reaping, and am able to say that it works to my entire satisfaction, and I will recommend it to all who wish to buy the best machine.

ALLEN SCOVILLE.

CLOCKVILLE, Madison Co., N. Y., January 1, 1894.

Messrs. Russell & Tremain :

This is to certify that I have used your Screw Power Reaper and Mower for the past three years and can with pleasure recommend it to all who wish to purchase a machine. For ease of draft it is not to be excelled, and for durability the following will testify: I have cut over one hundred acres per year, and the cost of running it for three years is, including knife, breakages, &c., but three dollars. My machine I consider as good as new.

J. WHEATON GOFF.

FORKET, Onondaga Co., N. Y., Nov. 6, 1893.

Messrs. Russell & Tremain :

GENTS—In 1891 I bought one of your Screw Power Mowers and Reapers, one of the first you built, have used it every year since, has given me little or no trouble by getting out of repair, is in good order now, and good for hundreds of acres of work yet. Its work has given me the best of satisfaction, and I have had it in some very bad places, that would test any machine; its light draft is ahead of anything I have seen. In all things I believe it to be the best machine built.

DAIMON BAKER.

MANLIS, N. Y., Oct. 24, 1893.

Messrs. Russell & Tremain :

Your Screw Power Mower and Reaper fully and more than meets my expectations. I have never owned a machine before the one bought in June from your works, never having seen one that I considered equal to the recommendations. Yours is an exception, it performs its work in the

most satisfactory manner. Grass cannot be cut smoother or better than your mower will do it, though it may be lodged or heavy; neither does it worry or distress a team in the least, but seems to be very light work for them. I consider your machine to be a very superior reaper; it cuts every spear of grain and lays the bundles perfectly true and even. I believe it to be superior to all machines I have seen.

GETTYSBURG, Pa., Jan. 14, 1863.

Mr. Wm. Wible, Agent for "Russell's Screw Power Reaper and Mower."—Dear Sir:

It is with great satisfaction that we attest the merits of your machine, above any other that we have tried. Its light draught being its first commendable quality, while its execution cannot be excelled. We have given it a fair trial, and find it even superior to your recommendation.

Yours, &c.,

HANKEY & BROTHER.

CHITTENANGO, Dec. 8, 1862.

Messrs. Russell & Tremain—Gents:

I, in company with Robert Mitchell, Esq., bought of your agent, Mr. O. H. Chapman, one of your Screw Power Combined Machines, which we have used during the past harvest. We believe it to be the best combined machine in use, being very easy both for man and beast. So far it has not cost us a cent for repairs.

Yours, truly,

S. V. SAFFORD.

STOKES, N. Y., July 26.

Mr. H. C. Sherwood, Agent—Dear Sir:

We have tried your Screw Power Mower to our satisfaction, and think it the best we have ever used, or seen used. Last Friday I put thills to it, and mowed an acre in less than an hour, with the little mare we drove when you were here. She did not make hard work of it, &c.

Respectfully, yours,

F. B. SMITH.

CAZENOVIA, N. Y., Jan. 5, 1864.

Messrs. Russell & Tremain—Gents:

We severally take pleasure in saying that the Screw Power Mowers purchased of you, last summer, have performed their work to our entire satisfaction. We have done our haying with them, giving the same a thorough test in standing and lodged grasses. The perfect order in which it does the work, readily adjusting itself to all conditions of surface, the lightness of draft,—being less than that of any machine of which we have any knowledge,—combine, in our estimation, to make it the best machine in use. Each of us own one of your mowers.

Yours, &c.,

PALMER H. CURTIS,
GEORGE THURSTON,
JAMES CALDWELL.

MADISON, N. Y., Jan. 18, 1864.

Messrs. Russell & Tremain—Gents:

I have been for several years trying to prepare my fields for a mower. Last season I concluded to purchase such a machine. As there was many in use about me, the question came up, what one shall I buy? I consulted my neighbors about it, who were using those different kinds. Some said the Hubbard Jr. is the best. I accordingly consented to have one brought into my field, on trial, but was not satisfied with the work. Hearing that Mr. Benjamin A. Duffee was agent for Russell's Screw Power, I called on him and examined it. He showed me the improvement on the new machine different from his, making it more complete. I told him he might bring one of the improved machines into my field and set it up for trial. He did so, in a lot in which there is some side hill, and grass that was lodged, where it worked to my entire satisfaction. The draft is no harder than that of the Hubbard Jr., is, and it will now five acres as quick as the Hubbard will four. Though there are not many of your machines out this way, I think, with a proper presentation of your machine to the people, that a good many might be sold in this section. The way to do this, is to put them right into the field on trial. There would not be more than one in ten but what would buy the Screw Power.

Truly yours,

FRANCIS RICE.

BUTLER TOWNSHIP, ADAMS Co., Pa., Jan. 23, 1864.

Messrs. Russell & Tremain—Gents:

I purchased of your agent at Gettysburg, Wm. Wible, one of your Mowers and Reapers, which I have used the last harvest in both grass and grain. It has given me entire satisfaction. I consider it as the best machine in use. It is light in draft, so that it can with ease be worked with one pair of horses, and is not liable to get out of order. We advise all farmers, wanting a machine, to buy one of your Screw Power combined machines.

Yours,

MICHAEL DETRECK.

GETTYSBURG, Pa., Jan. 19, 1864.

Messrs. Russell & Tremain—Gents:

I purchased of your agent, Wm. Wible, Esq., one of your Screw Powers, which I have used for the harvest of 1863, in cutting my entire crop, and I must say it far surpasses my expectations as a mower and as a reaper. I have used both the Manny and the Buckeye. I consider the Buckeye a good machine, but prefer yours to either of those mentioned, for lightness of draft and clean cut, and consider it generally as the best I have ever seen used. I can confidently recommend it to all farmers who wish to purchase a good machine.

Yours, respectfully,

JOHN BRINKERHOFF.

KENNE, Ionia Co., Mich., Jan. 21, 1862.

Messrs. Russell & Tremain—Gentlemen:

Meeting your agent for the sale of your Mowing Machine—Russell's Screw Power—at Ionia, yesterday, Mr. Kimball, in conversation with some of our farmers who contemplate buying a mower the coming season, and being asked by him how I liked the one I purchased of him last summer, I unhesitatingly replied, I considered it equalled by none in use in this vicinity, and there are several good kinds in use hereabouts. He thereupon requested me to say so much on paper to you. I do so, gentlemen, cheerfully. The machine is all and more than it is recommended to be.—

Some of its advantages are, that it is entirely free from side draft,—except in the very steepest grass,—runs so lightly that an ordinary team can work it all day as easily as could be desired; and it can be used where any machine in the market can be used. I worked mine on the very roughest of meadows, where I had no idea of being able to use it at all. I have seen several different kinds in operation, and have had some of them to mow for me, but have never yet seen one I liked as well as the Screw Power, all things considered. Gentlemen, if this will be of any use to you, use it, certainly, for I am conscious I can do the farming community no greater good than to recommend the Screw Power.

Truly, &c.,

VINE WELCH.

HECTOR, N. Y., Jan. 27, 1864.

Messrs. Russell & Tremain:

This is to certify that I have bought of your agent, O. G. Cooper, one of your Screw Power machines, and it is with pleasure that I add my testimony, with the hundred of others, to the worth of your machines. It is the *ex plus ultra* in the line of machines. The ease with which a pair of horses will work it all day is surprising; over rough, stony or level and smooth ground, it is all the same, doing its work equally well. It is so simple that a child can understand it; and my son, fifteen years old, did all my mowing, besides mowing some for my neighbors. When done, all that is necessary is to fold up the bar and drive on, as comfortable as though you were in a sulky. The ease, too, with which you can pass over obstructions while at work, is commendable. I think it is the best machine in the market, and I would advise my neighbors and friends, who want a good one, to buy the Screw Power, instead of purchasing a clumsy one-wheel machine.

H. V. DEAN.

KIDDER'S FERRY, N. Y., July 7, 1863.

Messrs. Russell & Tremain—Dear Sirs:

I have just witnessed a trial of mowers, working in a piece of heavy clover. Among the machines was one called the Screw Power, manufactured by you. Out of curiosity I went to see it work. I have no hesitancy in saying that it is the best machine I ever saw mow. The lightness of draft, the ease with which the team—a light one—worked it, there being no side draft, which was clearly proven by placing the tongue upon the top of the neck-yoke, and mowing a piece, and turning square corners without even displacing it once. I think your machine will do it every time, when in the hands of as competent an agent as Mr. Cooper. You are welcome to use this if it will be of any use to you.

OLIVER EGGLESTON.

COVERT, Seneca Co., N. Y., July 27, 1863.

Messrs. Russell & Tremain:

I have just returned from a trip in company with your agent, Mr. Cooper, who has been putting up a mower for Mr. Dean. I can truly say it is ahead of anything I ever saw. If I was carrying on my farm, I would have a Screw Power in less than twenty-four hours. It is so far ahead of the Manny machine that I used to run. If it were not for the grass that falls, I should doubt its power to cut it at all.

GEN. ISAAH SMITH.

HIXSON, KNOX Co., Ill., Dec. 28, 1863.

R. W. Bart, Esq., Atlanta, Ill.—Dear Sir:

My opinion as to the utility of Russell's Screw Power Reaper and Mower, in the harvesting of the flax crop, in particular, is solicited. I have to say that I know of no other crop that would be a better test of its strength and adaptation in harvest, than flax. When the time arrived for cutting, I scoured the neighborhood in search of a reaper, but was unable to secure the use of any but Atkins' self-raker, the impression prevailing generally that the common harvesters were not equal to the task, which the sequel sufficiently attested. I gave the self-raker a fair trial, but to no purpose. In spite of the force which the strength of two span of horses imparted to it, it would choke up, and beside the reel, without interfering with the rake, could not be so adjusted as to bring the grain down properly to the sickle, the stack or straw of the flax being very short on account of the drought. I then gave the Screw Power a trial and found that it performed admirably. I cut part of my flax with the mower and part with the reaping fixtures attached, in both cases using but one team. I cut through a rank growth of weeds in some places, which had become very large and tough. This satisfied me, and I purchased the machine. In September, after everything had become yellow and hard in this section by the action of the frost, I tried my mower in some volunteer brown-corn for fodder, and it did the work handsomely. With such a trial as I have given Russell's Screw Power Mower and Reaper, I can cheerfully recommend it for lightness of draft, and simplicity and strength of construction.

Yours, truly,

R. C. WALTER.

ATLANTA, Ill., Jan. 20, 1864.

Messrs. Russell & Tremain—Gentlemen:

Being asked for our opinion upon the merits of the Screw Power Mower we purchased of your agent, R. M. Bart, and used the past season, we would say has given us good satisfaction, and we find to excel any machine we have tried,—having tested it with others,—for ease of draft and good work. We recommend it to all in want of a good light and durable and pleasant machine to mow about the farm or upon the road.

SAMUEL HOBBIT.

JOHN H. HOBBIT.

MISSION FARM, Wood Co., O., Nov. 28, 1863.

Messrs. Russell & Tremain:

The Screw Power Reaper and Mower I purchased of your agent at Perryburg, last season, was thoroughly tested on my farm in reaping and mowing with very satisfactory results. The perfect manner in which it does its work, readily adjusting itself to all conditions of surface, the good order in which the grain leaves the platform for the binder, together with the lightness of draft, less than any other machine of which I have knowledge, combine, in my estimation to make it one of the best machines in use.

JACOB VOLLMER.

ONTARIO, Highland Co., O., Jan. 7, 1864.

Messrs. Russell & Tremain—Gents:

Having purchased of your agent, B. Tyler, one of your Screw Power Mowers last season, I would

say I consider the cut, draft and simplicity to excel anything that I have ever seen before in mowing machines, in fact I could not ask for a machine that would run lighter or cut better than yours.
ABRAHAM ROWINSKY.

ALABAMA, N. Y., Aug. 6, 1863.

Messrs. Russell & Tremain :

This is to certify that Mr. N. T. Holmes bought one of your Screw Power machines and cut some lodged clover that was turned in all directions, to my entire satisfaction, and was of the lightest draft of any machine I ever saw, Ball's not excepted.

JOHN E. HESTON.

ALABAMA, N. Y., Sept. 23, 1863.

Messrs. Russell & Tremain :

I have used one of your Screw Power mowers and reapers, and take pleasure to inform the public that it meets my approbation. There is three things about it—its simplicity, durability and easy draft—that make it very desirable, to which my neighbors all agree.

JOHN UNDERHILL.

ALABAMA, Sept. 23, 1863.

Messrs. Russell & Tremain :

The reaper and mower I purchased of N. T. Holmes, called the Screw Power, has given good satisfaction. Its lightness of draft and general facility make it one of the best I have ever used.

STANTON KYNION.

ALABAMA, Aug. 3, 1863.

Messrs. Russell & Tremain :

This is to certify that I purchased one of your machines, and truly say that it will do good business with a light team. Its simplicity and I think durability cannot be surpassed.

ABRAM MARTIN.

DAVIS, Stephenson Co., Ill., Feb. 3, 1864.

Messrs. Russell & Tremain :

The reaper I bought of you last harvest gives entire satisfaction. I cut about eighty acres of grain with it last harvest, with a light team; could drive them all day without having a wet hair on them, and cut as fast as four men could bind. In grass it is the king of mowers. I cut for a neighbor of mine seven acres of grass that no mower they have about here could cut at all.

Yours, etc.,

CHAS. MOORE.

FAIRFIELD, Vt., Feb. 1, 1864.

Mr. S. G. Holroyde—Agent :

After a careful inspection of Russell and Tremain's Screw Power mowing machine, I have no hesitation in saying that I believe it superior to any other in use. Its light draft, ease of operation, clean and smooth cut, adaptation for mowing on uneven ground, simplicity and apparent durability, are, I think, unsurpassed.

Yours, etc.,

C. R. SOULE.

ST. ALBANS, Vt., Jan. 30, 1863.

Messrs. Russell & Tremain—Gents :

I take pleasure in saying that the Screw Power mower that I purchased last summer, of your agent, S. G. Holroyde, Esq., has performed its work to my entire satisfaction. Its lightness of draft, apparent durability, and in short, all that is required in a good mower, I find in that manufactured by you. I am not afraid to recommend it to the farmers of Vermont, as it is in my opinion much nearer a perfect mower than any I have ever seen before.

Respectfully, yours,

WM. W. THORP.

The following is a letter from Ex-Governor Robinson, of Kansas, who, in the summer of '63, cut 300 acres of grass with his mower, with expense of repairs not to exceed one dollar :

LAWRENCE, Feb. 25, 1864.

Joel Grover, Esq.—Dear Sir :

The mower you furnished me last season—Russell's Screw Power—gave entire satisfaction. Some half dozen different mowers were at work in the same meadow, and Russell's cut the grass cleaner and with much less power than any of the others. I regard it the best machine I ever used.

Respectfully, your obedient servant,

C. ROBINSON.

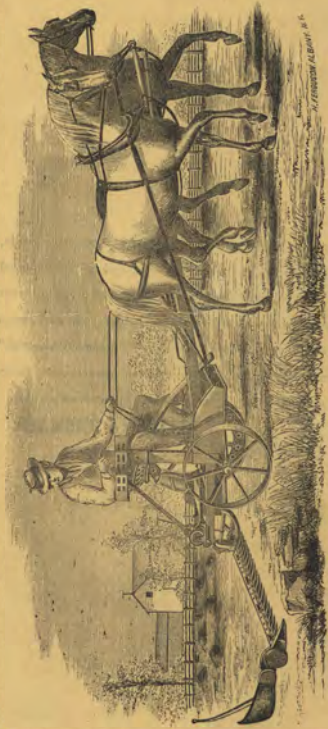
NUMBER AND PRICE OF SEPARATE PARTS OF THE SCREW POWER MOWER AND REAPER, FOR 1864.

Knife Section and Rivets.....	\$ 20
Guard Fingers.....	50
Set Screws and Finger Bolts.....	65
Reel Chain.....	1 50
Lifter Chain.....	50
Pole.....	2 00
Finger Bar Drilled.....	6 50
1. Outside Shoe.....	1 50
2. Inside Shoe.....	2 10
3. Track Clearer Socket.....	50
Track Clearer, Complete.....	1 50
4. Pitman with Lug.....	2 00
5. Pitman Lug.....	15
6. Pitman Box, Brass.....	2 25
Pitman Box, Chilled.....	1 10
7. Screw Shaft and Crank.....	4 00
8. Screw Frame and Boxes.....	5 50
9. Single Roll and Pin.....	25
Set Roll and Pin, (21).....	5 00
10. Drive Wheel without Rolls.....	9 00
11. Drive Wheel Journal.....	2 50
12. Drive Wheel Journal Cap.....	50
13. Switch Lever, }.....	40
14. Switch Curve, } To throw out of gear.....	80
15. Switch Shaft, }.....	1 25
16. Lifter, Complete with Chain.....	2 50
17. Cutter Bar, Complete.....	5 50
18. Support Wheel.....	6 00
19. Support Wheel Journal.....	1 25
20. Pole Socket.....	2 50
21. Draw Bar Socket.....	1 50
22. Driver Seat Spring.....	2 00
23. Raker Seat Spring.....	50
24. Raker Stirrup.....	60
25. Seat, Each.....	1 25
26. Goose Neck, supporting woodarm.....	2 00
27. Large Castor Wheel.....	1 25
28. Large Castor Wheel Yoke.....	1 25
29. Large Castor Wheel Bearing.....	50
30. Large Castor Wheel Frame (on Platform).....	1 25
31. Small Castor Wheel and Yoke.....	1 25
32. Small Castor Wheel Socket.....	20
33. Reel Standard Socket.....	75
34. Reel Shieve, (upper).....	1 00
35. Reel Shieve, (lower).....	50
36. Reel Pulley, Support or Bearing.....	75
37. Reel Pulley Support Socket.....	40
38. Reel Spider, 1 set (2 pair) with bolts.....	1 00
39. Reaper Attachment, Complete.....	25 00

 In ordering extra parts for repairs, state the year in which the machine was purchased and its number. Terms—Cash on shipment. With each machine will be furnished, *without charge*, an extra set of knives, whiffletrees, neck yoke and rake, a tool box with wrench, oiler, cold chisel, punch, 4 knife sections with rivets, 2 guards, 1 extra Pitman box and extra pins.

To Farmers who propose purchasing a Screw Power this season, we have a word of advice: "*Give your order early*;" if you put off getting your machine until you want to *use it*, the filling of your order may be attended with delay so as to hinder your work, as in shipping we are obliged to adopt the motto, "first come first served," and in the hurry of the season delays are often unavoidable; therefore we say, give us, or our Agent, your order as soon as possible.

RUSSELL & TREMAIN.



ALFREDSON ALBANY, N. Y.

, Agent,