

THE IMPROVED Kniffen Mower.



INCORPORATED NOV. 15, 1866.

O. GRIFFIN, President.

OTIS WARREN, Treas. & Sec.

Directors....L. G. KNIFFEN, THOS. SMITH, E. BUXTON.

GENERAL OFFICE AND MANUFACTORY,
No. 12 & 14 Central St.,
WORCESTER, MASS.

BRANCH OFFICES.

No. 20 South Market Street, Boston.

E. E. LUMMUS, AGT.

Whitlock Exposition, No. 35 & 37 Park Place,
NEW YORK.

WORCESTER :
TYLER & SEAGRAVE, PRINTERS, 252 MAIN STREET, OPP. CITY HALL.
1870.

DENNISON'S PATENT SHIPPING TAGS,

The Most Reliable Cheap Tag in the Market.

USED BY ALL THE PRINCIPAL
EXPRESSES AND TRANSPORTATION LINES IN THE COUNTRY.

	
PRICE-LIST —OF— DENNISON'S PATENT SHIPPING TAG.	
With Strings 50 cents Extra. \$2.50 per 1000.	1
\$3.00 per 1000.	2
\$3.50 per 1000.	3
\$3.75 per 1000.	4
\$4.00 per 1000.	5
\$4.75 per 1000.	6
\$5.50 per 1000.	7

FOR SALE BY
Printers and Stationers Everywhere.

MANUFACTURED BY
DENNISON & Co.,

71 Milk St., Boston,
198 Broadway, New York.

36 So. Third St., Philadelphia.
88 Lake St., Chicago.



TO OUR PATRONS AND THE PUBLIC GENERALLY.

GENTLEMEN: We come now for the sixth time before the Agricultural community to set forth briefly the merited claims of the **KNIFFIN MOWERS**.

We acknowledge with much gratification, the numerous expressions of encouragement and approval which we have received from all sections of the country, where the Machines have been introduced. Our great aim is to meet the wants of our farmers, and (we *know we can*) furnish them with the very best Mowers that can be produced.

Over Three Thousand of the one-horse Mowers are now in use, giving universal satisfaction. Their light draft, easy execution, simple construction, durability, &c., have made them

(The One-Horse Kniffin Mower)

a "household word" in the farming community of New England, and we need but repeat that "it is the only really practicable and successful one-horse Mower" ever produced.

Two-Horse Mowers.

Our two-horse Machines have now been in use for four successive harvests. While the operation of our Machines convinces every one of the splendid working qualities embraced in their design and construction, we have found a few minor points susceptible of improvement and have given them our earnest attention.

For their simplicity and utility, compactness and durability, they command the approval of all who try them. Combining all the *valuable* points found in other Mowers, they also embody many new and essential features never before embraced in a Mowing Machine.

Has never failed to receive the highest awards and premiums when put on trial or exhibition.

Triumphant Everywhere.

This Machine seems to be without a rival. Other Manufacturers concede it is useless trying to compete with the one-horse Kniffen. The draft is reduced to an equality with common cultivators. Over 3000 of them in use.

THE DRAFT AS LIGHT AS ANY CULTIVATOR.



ONE HORSE MOWER, CUT 3 FT., 6 IN., Price, \$100.

The Kniffen Mower.

Step by step the inventor of the Kniffen Mower has gone on perfecting his Machines until to-day they rank among the rival Machines in Market. Their success surpasses anything ever before offered to the public. And on this point we challenge contradiction from any one, manufacturers or others. The Kniffen, unlike any other Mower, has built its own reputation, and that upon a market filled with many other and older Machines. Few people use the Kniffen Machines that have not had experience in using others. In six years nearly 7000 of them have been put into successful operation, giving the best of satisfaction to the purchasers.

They are Manufactured by Experienced Machinists.

All of them work by the Day.

We make no JOB Work.

We use castings that cost us 5 cts. a pound. We could use those that would cost us but 3 and you could not tell the difference unless they broke.

We use the best Refined, Norway and Ulster iron that costs us \$130 per ton. We could use iron that would cost us but \$40. The difference would never be known except in case of breakage.

We use Malleables that cost us 13 cts. a pound. We could use those that would cost us but 9 cts. and perhaps you never would discover the difference.

We use the best of cast steel lining in our guards, ground to an edge. We could use chilled iron.

We use the purest Babbit metal that costs 40 cts. a pound. We could use an article that would cost but 15 cts.

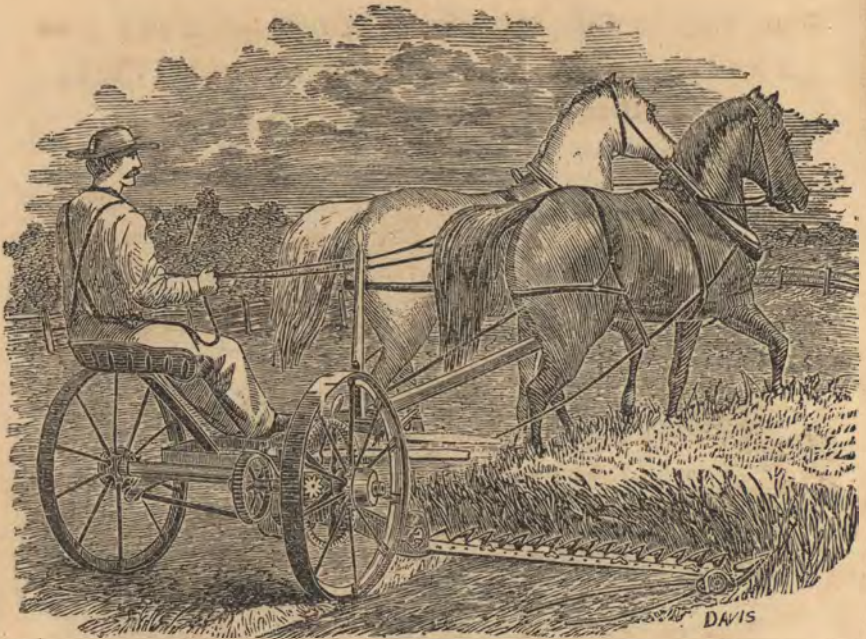
We could build our Machines for \$15 less money than we do.

And if we were turning out the thousands, represented by some Manufacturers, few people would stop to enquire of what or how they are made.

These Reader are all Facts.

We trust they will be Appreciated.

And you will buy a KNIFFEN MOWER.



THE KNIFFEN IN OPERATION.

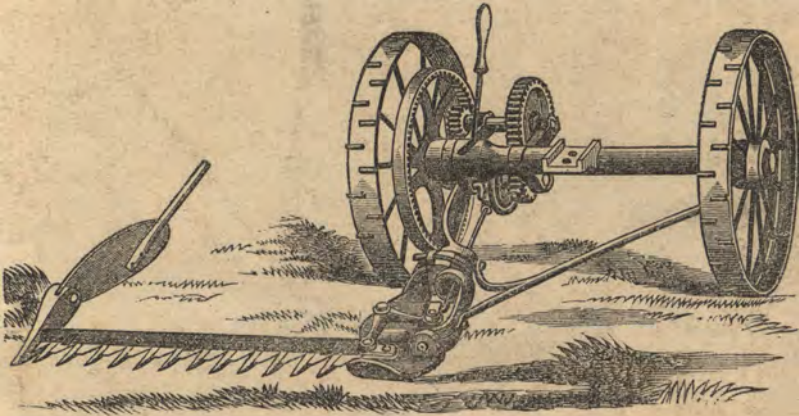
DIRECTIONS

For setting up and starting the Kniffen Mower.

1. Remove the elbow,—then fasten the finger-bar firmly to its place by means of bolts. *Be sure and have the heads of the bolts in their place underneath the shoe.*
2. Put in the scythe and see that it moves freely and without friction.
3. Fasten the pole to its socket by the rear bolt only, with the head of the bolt up.
4. Place the seat in its position, and the foot board at the same time, secure them both with the bolts for that purpose.
5. Adjust the lever and attach the lifting chain thereto.
6. You can adjust the cut by means of the wheels in the outer and inner shoes.
7. BEFORE STARTING THE ONE-HORSE, REMOVE THE SET SCREW IN THE RIM OF THE CRANK BALANCE WHEEL, AND OIL THOROUGHLY, PUTTING IN COTTON OR WOOLEN WASTE.
8. Keep the knives sharp and bearings well oiled, remembering to tighten the nuts until they become set.
10. *Durability is wholly dependant upon the amount of care you take of your Machine.*

EVERY MACHINE IS WARRANTED.

Was the only Mowing Machine that was
awarded a Medal at the Mechanics' Fair,
held in Boston, last Fall, 1869.



Cut of Machine, Pole and Seat Removed.

PLEASE TAKE NOTICE.

The above cut is worthy of your closest attention. We here present you with a skeleton cut, pole and seat removed. From this you can gain a better idea of our Machine than from anything else, except in seeing one of the real Machines. The driving of the scythe is done by an elbow which allows the vibrations to be equally the same in any position.

The yanking motion which has been a great source of annoyance to Manufacturers (causing their scythe shanks to break, etc.,) is here wholly done away with. Besides, this motion enables us to use the *spur* gearing, thereby avoiding the friction and wear produced by bevel gears.

This motion changes the shaking side vibration which has made Machines heretofore so hard to ride, a fact worthy of consideration. The wheels are so high and the axletree so long they straddle the swath and leave the cut hay standing as it is cut off, in good shape to dry quick. You will also notice in this cut the simplicity, how few pieces there are to get out of place and break. It is the Machine you all want and sooner or later will buy. You want it because it will stand hard usage and you can let your hired help use it. You want it because it is built of the best material. See page 5. For further information see detailed description. See page 17. In buying your Machine please to consider the questions submitted. See page 22. You can lose nothing by trying the Kniffen before giving your order for any other Machine.



TWO HORSE MACHINE IN OPERATION. Cut 4 ft., 3 in., Price \$115.

ETHAN ALLEN & CO'S

PATENT

BREECH LOADING RIFLE,

Is acknowledged to be the most accurate shooting and

Best Rifle for Sporting Purposes that is Made.

We make them of all sizes and calibre, from 22-100 to 44-100. We also make

DOUBLE BARREL SHOT GUNS

Breech Loading and Muzzle Loading,

CARTRIDGE REVOLVERS,

Single Cartridge Pistols,

METALIC CARTRIDGES, &c.

—:—:—

PRICE LIST.

Breech Loading Rifle,	-	-	-	-	\$ 26.00
Breech Loading Shot Guns, Twist 12 Bore,	-	-	-	-	80.00
" " " " " 10 " "	-	-	-	-	95.00
" " " " " Laminated 12 Bore,	-	-	-	-	120.00
" " " " " 10 " "	-	-	-	-	135.00
Muzzle Loading Shot Guns,	-	-	-	-	28.00
Cartridge Revolvers, 22-100 Calibre,	-	-	-	-	10.50
" " 32-100 " "	-	-	-	-	12.00

 *Send for Price List and Circular.*

Address

ETHAN ALLEN & CO.,

Worcester, Mass.

MR. W. H. EATON,

—OF—

Eaton's Commercial College, Boston,

Furnishes for our Circular of 1870 some very valuable selections from his Self-Instructor in Business Computations.

RULES FOR INTEREST.

1st. For months at 6 per cent. Multiply the Principal by half the number of months.

ILLUSTRATIONS.

Principal,	2000 44	
For 8 months,	4	
	\$80 0176	Ans.

Principal,	2)1460 66	
For 9 months,	4½	
	5842 64	
	730 33	
	\$65 7297	Ans.

By the above 'Rule every sum shows its own interest at 60 days or 2 months by simply pointing off dollars into dollars and cents.

Question—What is the interest of \$1000 00 for two months?

Ans.—\$10 ; for one month, half as much or \$5 ; for four months, twice as much or \$20 ; and so work by proportions added to or subtracted from the interest of two months.

2nd. For days at 6 per cent. Multiply the principal of dollars and cents by the number of days for which you wish to find the interest and divide the product by 6. Then cancel the 3 right hand figures.

ILLUSTRATION.

864 44	
9	

6)777996	

\$1.29666	Ans.
-----------	------

Rule and Illustrations for Interest at Government Rates, or 7.30.

As the interest is 7 cents and 30 one hundredths for one year on a dollar, it is one 365th part of that sum for one day, which is 2-tenths of a mill or 2-ten thousandths of the principal ; therefore the

RULE.

Multiply the sum you wish to find interest upon, taken in dollars and cents, by 2, and cancel the four right hand figures, and your interest is found at the left of those figures cancelled in cents and dollars for one day ; then find by multiplying any number of days required.

ILLUSTRATED.

What is the interest of 888.88 for 4 days at Governmental rates, or 7.30 ?

888 88	
2	

177776	
4	

.711104	Ans.—71 cents.
---------	----------------

ÆTNA SEWING MACHINE!

AS IMPROVED 1870.

Is SUPERIOR to any SEWING MACHINE yet INVENTED!

It has ever been the aim of the Manufacturer to produce a Superior Machine, one which would receive public favor upon real merit, never having claimed any superiority from age, nor extensive sales, as these things have but little to do with the real merit of any article, but, on the contrary, they have endeavored to produce a machine that was first-class and superior to any other. In this effort they feel confident of success, and the Machine, as now produced, they offer to the public as the

Best for every purchaser of a Sewing Machine.

Because it is the product of the best inventive mechanics, with all the New Improvements, recently applied, most of which the manufacturers of older machines have failed to discover or apply to their machines, relying more upon a reputation gained in the early days of sewing machines, before competition made it necessary to make the best of improvements in order to succeed; therefore

WE MEAN IT WHEN WE SAY

The “Ætna” is the best,

and for these reasons: That it embraces different sizes adapted for all work.

It is Strong, High Speeded, easy to run and manage.

Using all kinds of Thread, doing Every Variety of Work, with ease and certainty.

Simple, not liable to be out of order, and as every part liable to wear is adjustable, it certainly is the

Most Durable

Sewing Machine in the World.

All Machines Warranted, and Kept in Repair, free of charge, for one year or more. All persons purchasing the ÆTNA will be given full instructions free of charge, and the Machine warranted to be adapted to their work, and to suit them. Please give us a call whether you wish to purchase or not, and we will cheerfully show you the ÆTNA, at our Salesroom.

AGENTS WANTED in all the principal towns and cities throughout New England.

Address,

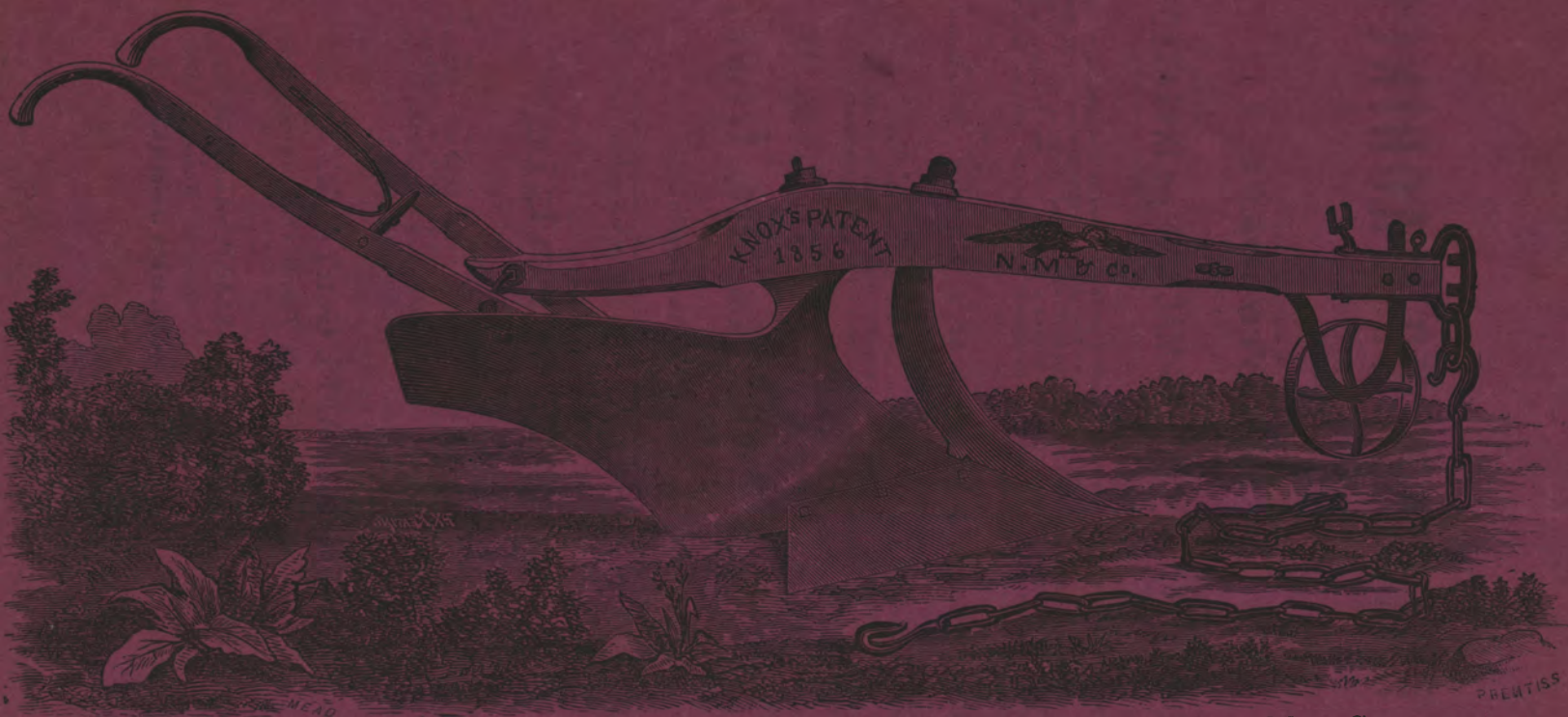
H. S. WILLIAMS, Gen'l Ag't.

For New England, 24 Temple Place, Boston, Mass.

WORCESTER COUNTY AGENCY AND SALESROOM,

No. 329 Main St. Worcester, Mass.

WARREN JOHNSON, Ag't.



PATENT IMPROVED EAGLE DEEP-TILLING PLOWS, Made only by Ames Plow Company,
Quincy Hall, Boston, and 53 Beekman St., New York.

PARING, CORING AND SLICING MACHINE.

Takes only Three Turns of the crank to pare, and four turns to pare, core and slice an ordinary sized apple. It does it all at once. It will pare without slicing, if desired. Dried Apples sell two cents per pound higher, when sliced with this machine than when quartered.

UNION APPLE PARER.

The knife pares going both ways, thus saving time without increasing the speed of the machine. It will not scrape over a hard or bruised apple. It is very thorough in its construction.

MANUFACTURED AND FOR SALE AT WHOLESALE AND RETAIL BY

D. H. WHITTEMORE.

WORCESTER, MASS.

E A G L E

Deep-Tilling Plows.

In giving an illustration on opposite page of one of the EAGLE DEEP-TILLING PLOWS, as manufactured by the Ames Plow Company, of Boston and New York, we do so from the satisfactory thought that while farmers cannot be too particular in choosing their plows, the Ames Plow Co., and their predecessors have from an early period so added new and improved patterns to their list of Plows, as that now it is almost impossible for any one to fail in being suited from their large assortment.

We feel assured we render an important service to farmers generally in thus directing attention to the Deep-Tiller represented by our illustration, which is only one of a stock embracing many others of the celebrated "Eagle," "Knox's Patent," "Prouty & Mear's Centre-Draft," "Martin's" and others, adapted for Sward, Meadow, Stubble, Side Hill, Sub-soil and other work in every variety of soil and mode of culture.

In addition to the Cast Iron and Cast Steel heretofore used, they are now making Steel Plows by a new patent—Session & Knox's—carbonizing process, which produces a material denominated "Hard Steel."

Before these Hard Steel Plows were introduced the trouble invariably was that in making Steel Plows hard enough to wear well, they became brittle and liable to break, and that when left soft they were not durable enough to suit the farmer.

This new process leaves them hardened as much as fire and water can make them, and with a wearing surface far exceeding anything heretofore used for plow moulds, at the same time that it gives them in every part a malleable centre by which all brittleness is removed and by which they retain the toughness that avoids any liability of breakage.

How to Find the worth of a Paper Dollar when Gold sells at PREMIUM.

RULE.—Multiply \$1.00 by One Hundred and divide the product by the amount Gold sells for.

Question.—What is a paper dollar worth when gold sells for \$1.20? *Ans.*—83½ cents.

ILLUSTRATION.

$$\begin{array}{r}
 \$1.00 \\
 100 \\
 \hline
 120)10000(83\frac{1}{2} \\
 96 \\
 \hline
 40 \\
 36 \\
 \hline
 4-12=\frac{1}{2}
 \end{array}$$

BANK DISCOUNT.

Bank Discount is the same as Bank Interest. If a note is discounted at the bank, the interest is taken out for the time the note has to run, and the balance only is paid to the holder of the note. (Banks in Massachusetts reckon 30 days to the month.)

RULE.—Find the number of days from the day you discount up to and inclusive of the day the note becomes due, and add 3 days of grace. Then find interest for that number of days, and subtract from the face of the note, and the remaining sum is the answer.

Question.—What sum shall I receive on a note, dated the 14th of November, 1858, at 6 months, for \$2950 46, discounted 20th of January, 1859?

ILLUSTRATION.

The number of days I used the bank's money is as follows:—

- 10 days from the 20th of January.
- 30 days in February, March, and April.
- 14 days in May — the time the note falls due.
- 3 days grace.

117

2950 46 Face.
57 53 Discount.

Ans.—2892 93

2950 46
1 17

2065322
295046
295046

6)34520382

PROFIT AND LOSS.

Rule to find the per cent. made or lost.—Multiply the difference between the cost and sale price by 100, and divide the product by the cost price.

ILLUSTRATION.

Question.—What per cent. should I make if I were to purchase flour for \$5 00 and sell for \$6 75?

\$6 75 sale price.
5 00 cost price.
1 75 difference.
100

\$5 00)1 7500(35 per cent. made.
1 500

2500
2500

Question.—What per cent. should I lose if I were to purchase a horse for \$175 00 and sell for \$63 00?

\$175 00 cost price.
63 00 sale price.
112 00 difference.
100

175 00)112000(64 per cent. lost.
105000

70000
70000

To find the Cost of an Article having the sale price and the per cent. made or lost given :

Rule for a Gain per cent.—Multiply the sale price by 100, and divide by 100 plus the per cent. made.

Rule for a Loss per cent.—Multiply the sale price by 100, and divide by 100 minus the per cent. lost

PROMINENT POINTS OF EXCELLENCE.

To enable others to understand the superior merits of the Kniffen Machines, we give the following description of the different parts, showing how and of what materials they are constructed, and wherein they differ from and excel the same parts used in other Mowing Machines.

The Body, or Main Frame,

Is more compact than in any other Machine. It consists simply of a cast iron tube that extends from wheel to wheel, with four radial arms only six inches long, that support the gearing. This piece of casting is so well proportioned and compact in form as to prevent all trembling or vibration when the Machine is in motion.

Drive Wheels.

The drive wheels of the Kniffen Mower are 33 inches high, this being about the best size to secure an easy running Machine, and at the same time avoid too much weight in their construction. Both are Drive Wheels. We use wrought iron spokes, cast in the hub and rim of the wheel. This makes a much lighter and stronger wheel than one of the same size of all cast iron, and is not so liable to break. The universal adoption of this style of wheel, wherever the construction of Machines will admit of it, is only a question of time.

Shafting.

We use but TWENTY-EIGHT INCHES of shafting, and this is of the simplest character, avoiding all collars or shoulders. The crank shaft is supported by bearings at its extreme ends, bringing the crank and pinion between them. This arrangement is far preferable to an overhanging crank, which brings the wear on one box only. IN OUR MACHINE THE WEAR IS EXACTLY EQUAL ON BOTH BOXES.

Gearing.

Some claim superiority for using bevel gears only on the slow motion, as they are difficult of adjustment, and use spur gears on the higher motion, as they run much easier. We perfectly agree with them in this, and dispense with the bevel gears altogether.

A Machine constructed like ours, with all SPUR GEARS, runs much easier and more quiet, and is far more durable.

Draft.

The rotation of the gearing to all Machines inclines the main frame to bear down in front, particularly when the Machine labors in heavy cutting. In most Machines this downward pressure is sustained by the tongue or pole, and produces more or less weight on the horses' necks, when the Machine is working. By the simple arrangement of attaching the draft of the team some six inches below the main axle, we get a purchase that overcomes this downward pressure, and the draft upwards always balances the tendency of the gears to press down.

This is an important feature, and should be thoroughly understood. The Machine balances so perfect as to have no more weight on the team in heavy cutting than when standing still.

Inside Shoe.

The inside shoe is so connected with the draft of the team that simply by changing a clevis pin more or less pressure on the ground can be relieved. In soft or new seeded soil it is often desirable that the bar should glide lightly over the surface, so as not to mar the ground.

Boxes.

The boxes are all babbitted with standard Babbitt Metal, which produces the best wearing surface. The crank box is of pure gun metal, nine parts of copper to one of tin, hardened with antimony.

Position of Knife Bar.

All Machines for mowing should have the bar in front of the wheels. This permits the operator to observe the action of the team and cutters without turning, thus enabling him to raise the bar to pass obstructions without withdrawing his attention from the team, while at the same time his position is rendered much safer; while for reaping, the weight of the reel and reaping apparatus, and the facility for a free delivery requires the bar to be placed to the rear of the Machines.

The KNIFFEN MOWER and REAPER very happily combines these two features, using the cutters in front for a mower, and in the rear for a reaper, on the same Machine.

Throwing out of Gear.

By the simple movement of a lever, the Kniffen is thrown entirely out of gear, leaving the driving wheels free to move *independent of all the gearing*; and it is the only Machine in use that throws *all the gearing* out at one movement, allowing it to start instantly for another field, *without any cogs in motion*.



PASSING AN OBSTRUCTION.

A perfect Mower should be so constructed as to pass obstructions safely, not only with its cutters, but with its frame and crank underneath the frame. The cutter bar can be easily raised with the lever; when all the parts of the Machine are at least 12 inches above the ground so that the Machine can straddle a very considerable obstruction. No gearing or other delicate parts come near the ground.

No Trembling Motion.

The jarring or trembling motion in Machines is caused by the vibrations of the pitman, which is crosswise of the Machine, and also of the crank which is supported at the extreme corner of the frame, either front or rear. In the Kniffen Mower the pitman vibrates lengthwise of the Machine and the crank is placed directly under the axle. This arrangement prevents all jarring and the Machine runs very still in consequence.

The Swath.

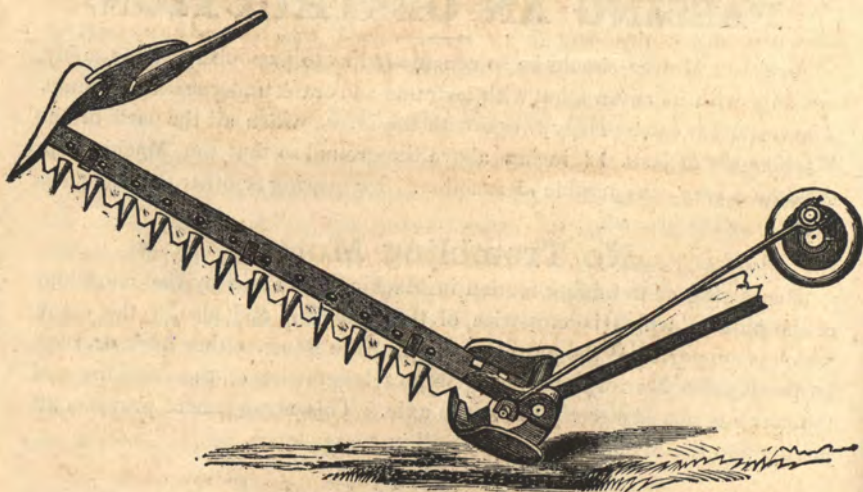
Every one familiar with Mowers knows that the swath-board inclines the cut grass inward from the standing, and leaves an open track. This open space is the proper place for the Drive Wheel of a Machine to travel in. Most Machines travel with one drive wheel on the cut grass, a great objection on light soil, or soft and wet bottom land.

Triumphant on Rough Ground.

The Kniffen Mower will work (and work well) on rough, uneven ground, hillside embankments, and through ditches, etc., owing to the great flexibility of the bar. This is where it is dangerous for other Machines to follow. Try the Kniffen.

Economy of Power.

It is immensely important that Power should be so applied as to avoid the binding or cramping of parts, else one-third or one-half the power may be lost. Now, the ordinary Mowers in use have a crank-balance placed to clear obstructions, say 10 inches above the plane of the cutters, with a connecting-rod extending obliquely to the knives; therefore, the point from which the force is applied is 10 inches out of line when the cutters rest on level ground, and much power is lost by this indirect application. When the outer end of the cutter runs over any considerable elevation this objection amounts to a palpable *defect*, which is forcibly illustrated in the following cut, where the cutting apparatus and crank of a Mower of ordinary construction are so placed that the point from which power is obtained is so much out of line, the Machine *entirely refuses to work, and drags a dead weight along the ground.*

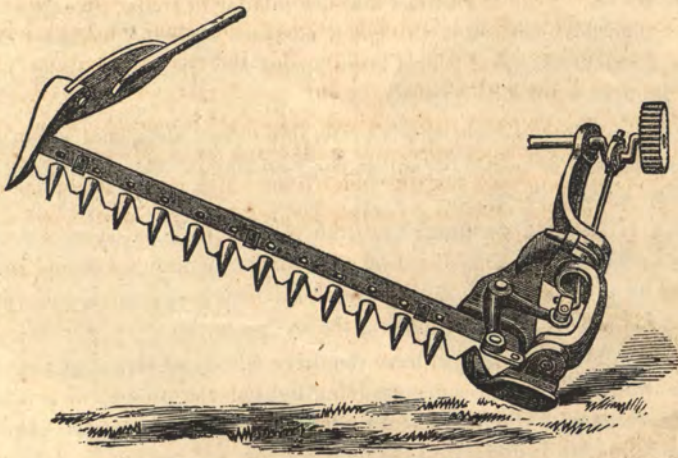


Cut showing the position in which ordinary Mowers cramp and come to a full stop. *Breakage is imminent if you allow the end of the cutter to run over any considerable elevation.*

If you are not prejudiced you can easily see and comprehend the advantages here obtained.

The Objection Wholly Obviated.

The KNIFFEN MOWER entirely overcomes the foregoing objection, the power being so applied that the cutters vibrate as easily when the finger-bar stands perpendicular as when laying level upon the ground. The cutters are hinged around the space through which the pitman vibrates, so that the cutters, pitman, and crank *maintain the same relative position in whatever shape they are working*, whether elevated on bank or depressed on a slope. The following cut represents the cutters, pitman, and crank of the KNIFFEN MOWER, by which it will readily be seen that in whatever position they are working, there can be no binding or cramping of parts, so that there is no power lost and no liability to breakage, as in other Machines.



CUT SHOWING THE SUPERIORITY OF THE

KNIFFEN MOWER ON ROUGH GROUND.

In this or any position the Knives can be placed they move equally free. There is never any Strain or Cramping of the Cutters.

This among other important features in the Kniffen Mower cannot fail to command attention and merit approval.

We here leave these matters, trusting every man will be his own judge. If you do not fully understand their bearings, our only request is to compare them with other Machines. They represent facts—we challenge contradiction or honorable competition.

Do you wish for Facts? Read the Following :

FIRST. Is not a Machine that will operate the knives with perfect ease and safety, while one end is elevated two, three or more feet, preferable to one that will only work them at twelve or fourteen inches, and that with difficulty?

SECOND. Would it not be better to throw all the cogs out of gear with one movement of a lever, than to be compelled to allow them to run in the dust, while moving on the road, or from field to field?

THIRD. Is it not safer, and more convenient, to reach the seat from the rear, instead of the front of the Machine, and to have the Machine and horses at all times before the driver, while oiling or otherwise attending it?

FOURTH. Are not castings that are tubular in shape, stronger in proportion than flat ones, and will not a compact Machine be more durable than one that is extended over a large space, and liable to spring by any strain brought upon it?

FIFTH. Are not high wheels preferable to low ones, and is not a Machine more desirable that has all its parts up out of the way of cut grass and other obstructions?

SIXTH. Should we attach the draft to the Machine, so as to force the cutters to the ground, to strike dead against obstructions, or should there be a lifting draft to carry the knives over obstructions, thereby relieving the downward pressure, and transferring the weight to the drive wheels?

SEVENTH. Is it best to have the drive wheels so arranged as to straddle the swath, leaving the cut grass lying light on the ground, or is it best to use a Machine with the off wheel running on the heaviest part of the cut crop, and pressing it down into the light soil, or wet bottom?

EIGHTH. Some Machines claim to have the advantage in putting the bevel gear, which is always difficult of adjustment, on the slow motion, where it will have to run as little as possible. If objectionable, why not abandon the use of bevel gears altogether, in a Mowing Machine?



The Kniffen on the Road.

LEGION OF HONOR!



FOUR GOLD MEDALS ALL AWARDED IN AMERICA IN ACTUAL TRIAL.

SEE REPORT OF TRIALS, &C.

N. B. No Farmer who will keep his knives sharp, bearings well oiled and nuts screwed tight, will ever have any trouble in running a Kniffen Mower to a respectable old age.

A TESTIMONIAL:

DAVENPORT, Feb. 15, 1869.

MESSRS. FORD & HOWE: Oneonta, N. Y.,—Gentlemen, the KNIFFEN MOWING MACHINE purchased of you last season, has given me most unqualified satisfaction. Notwithstanding my fears, that owing to the roughness of my meadows, the use of the Mowing Machine on my farm was impracticable, I take pleasure in saying that I had no difficulty in using it, and cheerfully recommend it as just the Machine that is wanted on the rough and uneven farms of Delaware County, N. Y.

Respectfully Yours,

HORATIO G. TALCOTT.

Experience Tells Irrevocable Truths.

HAMILTON, Jan. 26, 1870.

MR. E. E. LUMMUS, No. 20 So. Market St., Boston, Mass.—Sir, allow me to say for the benefit of others, that I have used the Kniffen Mowing Machine over two years, and in my judgment (with the present improvement) there is no better machine in the market, and were I in want of a Machine to-day, I should purchase a Kniffen.

As an offset to those who acknowledge the good qualities of the Kniffen Machine, but state that it is a light machine, meaning thereby that it is easily broken, allow me to state a fact which occurred last summer; I had been mowing a few hours for a neighbor, on my returning home while I was shutting the gate my horses started, the knife bar fell, and in a moment they were on a tight run. I expected to see the machine broken to pieces, they ran until the end of the knife bar came in contact with a post, which cleared both horses, the concussion being so great, that the machine was literally set up on end, and to my surprise, on examination, it was not injured in the least, the two end fingers entered the post about two inches.

Yours, Respectfully,

SAM'L B. GREGORY.

MILTON, Jan. 26, 1870.

MR. LUMMUS:—Sir, I take the time to write you in regard to the Machine that father bought of you last season, I can say that it fully comes up to what was said of it in your last year's issue, and it went above our expectations. We used it on our own farm of twenty-five acres, which was in part wood land a few years ago, and will average a rock or a stump to every twenty feet square, and being new land the grass was very stout and heavy, and I do not think that there is a one-horse Machine built that will come up to yours or the Kniffen; it cuts clean and does its work well. When we commenced work we thought it would cost us \$18 or \$20 for repairs for the season, but it did not cost us one cent, although I was often times thrown off it by striking rocks or stumps which could not be seen in the tall and thick grass. As for draught we do think that it takes less than any other Machine built. We have seen about all the other Machines that are made, and do not think that any of them can come up to the Kniffen on smooth or rough mowing, or in strength and durability.

Yours,

JOSEPH SIAS.

MORRIS, Feb. 23, 1869.

MESSRS. FORD & HOWE:—The Kniffen Mower purchased of you last season, gave perfect satisfaction. It is light draught, simple in construction, strong and durable, easy to handle, and the best Mower for all kinds of ground I ever saw. I take great pleasure in recommending it to others.

Respectfully, Yours,

S. E. COOKE.

SEEDS!

We desire to call the attention of Farmers, Market Gardners, and others, to our establishment where may be found a general assortment of

GRASS, FIELD, GARDEN, FLOWER & BIRD SEEDS.

We can assure our patrons that we use much care to obtain our seed stock from the most careful growers, of known reputation, both in this country and abroad.

We append a list of some of the most desirable sorts of Vegetable Seeds, which are now in popular favor.

Beans—Black Wax (dwarf), Black Wax (pole). *Peas*—Carter's first crop, Caractacus, D. O. Rourke, Tom Thumb, McLean's Little Gem, McLean's Advancer, Champion of England, Black Eyed Marrow. *Cabbage*—Early Wyman, Early Wakefield, Brunswick, Stone Mason, Marblehead Mammoth. *Celery*—Boston Market. *Corn*—Sweet, Crosby's Early, Stowell's Evergreen, Burr's Mammoth. *Onions*—Danver's Yellow. *Squashes*—Scollop, Summer Crookneck, Marrow, Hubbard, Turban. *Tomatoes*—Boston Market, Gen'l Grant. *Turnips*—Purple Top, White Flat, Sweet German.

Miscellaneous.

Bone Meal (for cattle).

Cuba Bass (for tying),

Grafting Wax,

Plant Protectors,

Whale Oil Soap,

Parching Corn.

SEED POTATOES.

Peruvian Guano, Phosphate of Lime, Ground Bone, Ground Plaster.

FOR SALE BY

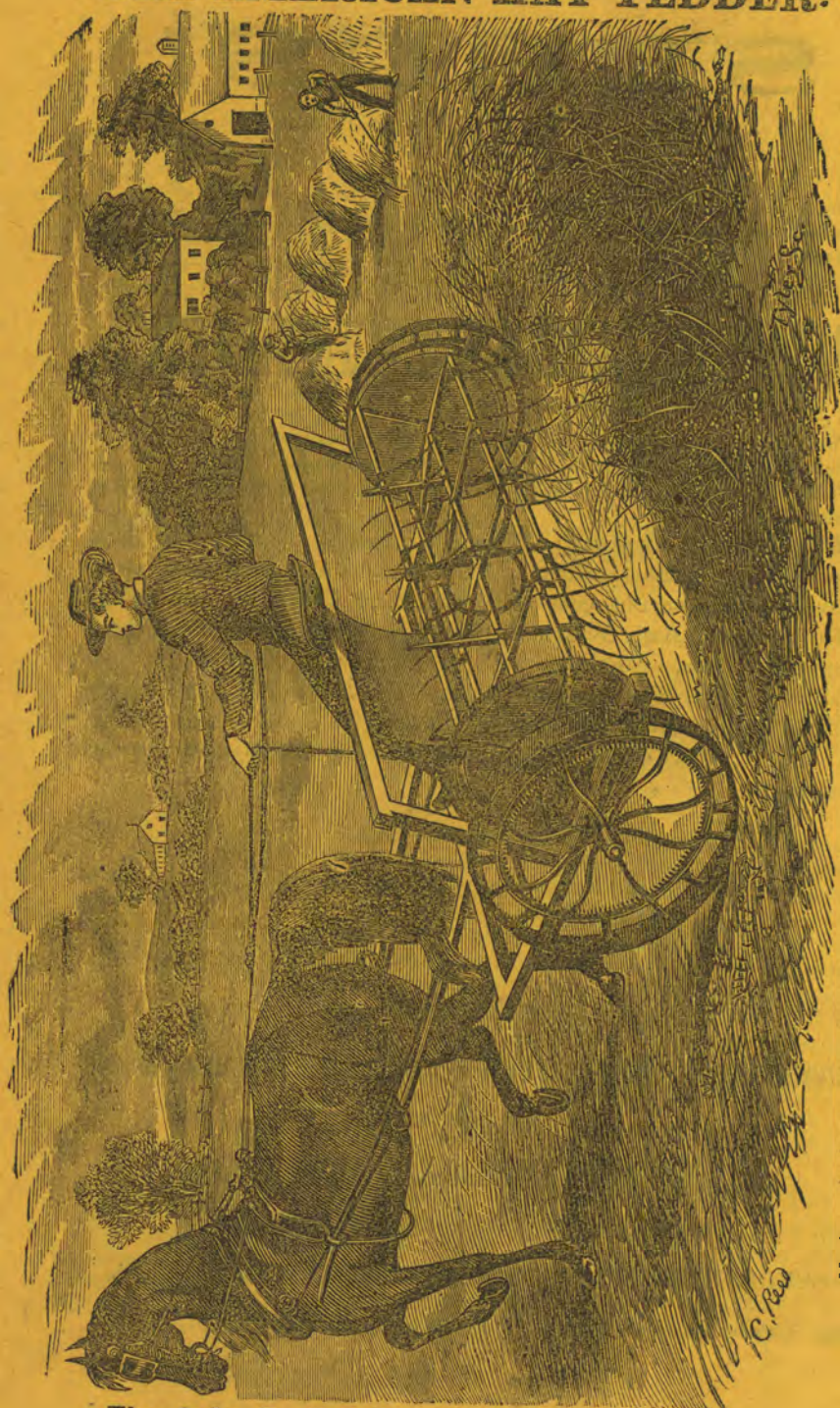
GREENWOOD & LINCOLN,

IMPORTERS, WHOLESALE AND RETAIL DEALERS IN

SEEDS, FERTILIZERS, TREES, SHRUBS AND PLANTS.

 Catalogues furnished free of charge on application.

THE AMERICAN HAY TEDDER.



The Only Perfect Hay-Maker Ever Invented.

Made only by the AMES PLOW COMPANY, Quincy Hall, Boston, and 53 Beekman St., New York.

HEADQUARTERS

FOR

BOOKS ON FARMING & AGRICULTURE.

Established 1842.

A. WILLIAMS & CO.,

Removed to the Old Bookstore corner of School and Washington St.

No. 135 Washington Street, Boston.

The New Books.

GARDENING FOR PROFIT. Best Book ever written. By P. Henderson. \$150.
HARNEY'S BARN, OUTBUILDINGS AND FENCES. Just published, and containing Designs and Plans of Stables, Farm Barns, Outbuildings, Gates, Gateways, Fences, Stable Fittings and Furniture, fully described, with nearly 200 Illustrations. Royal quarto extra. \$10.

WOODWARD'S NATIONAL ARCHITECT. 1,000 Designs, Plans and Details for Country, Suburban and Village Houses; with Perspective Views, Front and Side Elevations, Sections, Full Detail Drawings, Specifications and Estimates. Also, detail Drawings to working scale, of Brackets, Cornices French Roofs, Sectional and Framing Plans of French Roofs, Bay Windows, Inside shutters, French Windows, Balconies, Verandas, Porches, Lattice Work, Stairs, Nooks, Balusters, Sliding Doors, Window Casings, Gable Finish, Finials, Crestings Canopies, Hoods, Observatories, Base, Architraves, Plaster Finish, Cornices, Ceilings, Hard Wood Mantles, and all that is required by a Builder to design, specify, erect, and finish in the most approved style. One superb quarto volume, \$12.

HOW CROPS GROW. Prof. S. W. Johnson. \$12.

PRACTICAL POULTRY KEEPER. Best paying Guide. By D. Wright. \$2.

NEW AMERICAN FARM BOOK. L. P. Allen. \$2.50.

HIGH FARMING WITHOUT MANURE. Six Lectures on Agriculture, delivered at the Experimental Farm at Vincennes; by George Ville, Professor of Vegetable Physiology at the Museum of Natural History, Paris. With a preface by Chas. Martel. 18mo, paper, 108 pages. Massachusetts Agricultural Society. 35 cents.

GEYELIN'S POULTRY BREEDING. By George Kennedy Geyelin, C. E. With a Preface by Charles L. Flint, Secretary Massachusetts State Board of Agriculture. With 27 Illustrations. 8vo. cloth, tinted paper, 127 pages. \$1.25.

FARM IMPLEMENTS AND MACHINERY. J. J. Thomas. 287 Illustrations. \$1.50.

DOWNING'S FRUIT TREES OF AMERICA. New Edition. 1098 Pages. \$7.50.

A Large Stock of Masonic Books.

 Send for a complete Catalogue. Any Book sent free of postage on receipt of Price.
Address

A. WILLIAMS & CO.,

135 Washington St., Boston.

THE AMERICAN HAY TEDDER.

We give an Illustration of this Tedder on opposite page, as manufactured by the Ames Plow Company, Boston and New York. Hardly any crop is so liable to injury by unfavorable weather as hay, and the proper period for cutting clover and the grasses is short at the best. The introduction of "THE AMERICAN HAY TEDDER" marks a new era in the operation of hay-making by effecting an immense saving of time and labor at a season when they are of such value. Without it the farmer was rarely able to take advantage of fine weather and house his hay within twenty four hours after it was cut, and as it would not answer to cut faster than it could be properly cured, he was therefore obliged to make a sort of compromise by mowing parts of his crop before it had attained sufficient growth, and others after the proper time for cutting had passed. A Tedder will pay for itself on a farm where there is 15 tons of hay to cut. It would be about as sensible to do without a Mower or Horse Rake as without one of these Tedders.

THE CONGREGATIONALIST AND RECORDER.

A Religious Newspaper for the Family.

The Congregationalist and Recorder, for the year 1870, will be more varied, valuable and attractive than for any previous year.

SENATOR WILSON, HON. HENRY L. DAWES, and other men equally eminent in legislative and judicial positions, have engaged to furnish articles from time to time on subjects of national and practical interest.

HENRY WARD BEECHER's Lecture-Room Talks, in a compact form, from week to week, will give the choicest thoughts of the last meeting, mainly in the language of Mr. Beecher.

REV. H. CLAY TRUMBULL will continue to give our readers the result of his large experience in articles embodying his most careful and mature thoughts, on the great and growing subject of Sabbath Schools.

PROF. AUSTIN PHELPS, D. D., and Miss E. Stuart Phelps, will each gratify our readers with their unique and attractive articles.

MR. C. C. COFFIN, "Carleton," will furnish occasional articles, commencing early in January.

PROF. W. S. TYLER, D. D., who has just gone abroad, will give in occasional letters, his graphic description of what he sees and hears, with his own comments thereon.

T. C. TUBERVILLE, Esq., the able editor of the *English Independent*, will continue to write over the initials "T. C. T." Those who are interested in matters abroad, cannot fail to see that he is just the man, and in just the position, for his work.

SOPHIE MAY, for many years one of our contributors, and the author of "The Prudy Stories," will delight the multitude of children among our readers by her unequalled pictures of child-life.

OUR LITERARY REVIEW we are aiming to make as thorough as those of the *Quarterlies*; while at the same time a large space will be given to general literary news items of popular interest.

OUR RELIGIOUS INTELLIGENCE, while embracing all denominations, will be more full and complete in regard to our own churches than that of any other paper.

ITEMS AND PARAGRAPHS, brief but carefully written, will occupy a larger space, and it is believed will be found a valuable and attractive feature of the paper.

PILGRIM. Rev. J. E. Roy of Chicago, will give every second week, an elaborate letter, affording our readers a complete mirror of matters and things at the West.

SPECTATOR'S WEEKLY LETTER from Washington, brief, comprehensive, well-considered, and readable, is believed to be unsurpassed by any similar correspondence.

LUCY LARCOM, and others who have achieved distinction, will continue their poetical contributions.

OUR BUSINESS ARTICLE, on the 8th page, is from a gentleman who gives his entire time to the subject, and has the very best facilities for keeping our readers fully and accurately informed.

ITEMS on missions, temperance, science and art, Romanism, and various other matters of special interest, embodying the freshest news, and the result of a great amount of reading, will be published from week to week.

THE AGRICULTURAL column is under the care of a practical farmer and a thorough scholar, who understands fully the best and most approved methods of land culture.

OUR EDITORIAL DEPARTMENT will hereafter exhibit the result of greatly increased labor and thought, and it is believed that in freshness of topic, vigor of treatment, and earnestness of purpose, it will hold a forward position among the leading journals of the land.

THE CONGREGATIONALIST & RECORDER

is gotten up each week with the most liberal expenditure of money, and with the constant endeavor to make it the most interesting and attractive religious journal published in the land; it gives in the course of the year about three times the amount of matter contained in most of the monthlies.

For List of Premiums, see the Congregationalist and Recorder every week.

Send for a specimen number. Price, \$3 per year.

W. L. GREEVE & CO..

15 Cornhill, Boston.

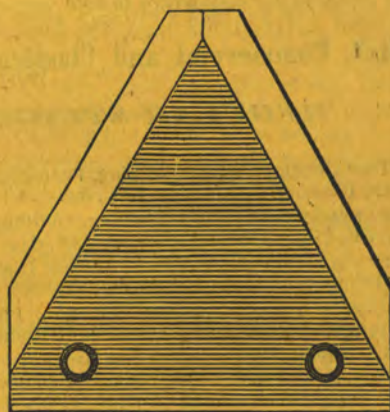
T. SMITH & CO.,

Worcester, Mass.,

MANUFACTURERS OF

Mowing Machine Scythes of all kinds, Bolts, Nuts,
*Washers, Chains, and Chain Links, Bridge and Building Bolts and
 Rods of all Sizes. Six Sizes Punching Presses. Two Sizes of
 these Presses are especially adapted for Mowing Machine
 Manufacturers' use, for cutting Iron and Sections,
 Fingers, Plates, &c.*

Bolt Ends, all Sizes.

Sections & Finger Plates of all
the Different Patterns,

Stair Rail Joint Bolt,



EATON'S

Commercial College,

No. 283 Washington St., Boston, Mass.

Open Day and Evening for imparting to both sexes thorough instruction in
English, Commercial and Classical Branches.

REGULAR STUDIES.

COMMERCIAL DEPARTMENT.—Book-keeping, Penmanship, Correspondence, Business Computations, Banking, Commercial Law, &c.

ENGLISH DEPARTMENT.—Reading, Spelling, Arithmetic, Geography, English Grammar, History, English Literature, Composition, &c.

CLASSICAL DEPARTMENT.—Latin, Greek, Ancient History and Geography, Classical Literature and Composition, the Higher Mathematics, &c.

EXTRA BRANCHES.—French, Spanish, Elocution, Phonography, Architectural Drawing, &c. Students can make such selection of studies as they please.

NO CLASSES. Any person no matter how backward or diffident he may be, can here be thoroughly educated without showing his deficiencies. Individual instruction is guaranteed to each student, and separate rooms, if desired. The number of desks is limited to the ability of teachers to impart thorough instruction to every student.

Students can enter at any time and date their course from the time of commencement.

SEPARATE DEPARTMENTS FOR LADIES.

STUDENTS FROM THE COUNTRY.—By special arrangement with the various Railroads centering in Boston, students living within reasonable distance of the city can attend the regular sessions of the College at greatly reduced fare. This is especially commended to the consideration of out-of-town residents who prefer living at home.

EMPLOYMENT.—Situations are furnished to graduates from the Commercial Department. Mr. Eaton can refer to hundreds of his graduates who are in positions of trust, receiving salaries from \$600 to \$2500 per annum, the most of whom obtained their situations through his influence.

REGULAR TERMS:—Day Sessions, \$25 per Quarter; Evening Sessions, \$15 per Quarter.

Ladies' Department:—Day Sessions, \$15 per Quarter; Evening Sessions, \$12 per Quarter. Terms for Extra Branches as per special arrangement.

Eaton's Business College, 283 Washington St., Boston, Mass.,

is the largest, the most complete, thorough, and at the same time, least expensive Commercial College in America.

Strict attention given to the social and moral welfare of the students.

A Business Education is the surest road to success, alike important to the farmer, the mechanic, and the merchant.

“HOUSEHOLD BLESSINGS.”

THE CELEBRATED

UNION WASHING MACHINE AND WRINGER.

First Prize Medals awarded in Europe and America.

Proved by long use to be the ONLY EFFICIENT AND DURABLE WASHER in the Market.



Used in convents, asylums and families generally throughout the United States, Canadas, etc., etc.

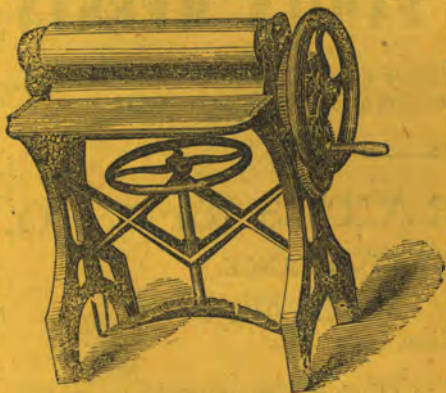
No soaking, rubbing, or boiling required, WARRANTED to wash perfectly, without injury to the most tender fabric. Attached to it, or separately, is the

UNION WRINGER,

With Patent Galvanized Frame, Cog-Wheels, and Improved Rubber-Rolls, which never stain the clothes. It will fit any kind of tub, round or square,

and is admitted to be the best and most durable Wringer in use.

WARD'S AMERICAN MANGLE,



For ironing PLAIN clothes, without heat, suitable for Institutions, Hotels and Private Families, and for hand or steam power. It occupies about as much space as a sewing-machine, and will do six hours work in one hour.

Fluting Machines,

and other Laundry articles.

WRINGERS of all kinds Repaired

SEND FOR A CIRCULAR.

J. WARD & CO.,

31 COURTLAND ST.,

NEW YORK.

HEARTH AND HOME.

AN ILLUSTRATED

Rural, Literary and Family Weekly,

OF 16 LARGE, HANDSOME PAGES,

EDITED BY DONALD C. MITCHELL,

Assisted by an able Corps of Associates in all
Departments.

HEARTH AND HOME meets the wants of all members of good families everywhere, and contains the best of everything for everybody in city, village and country. It gives practical instruction, by the most experienced writers, upon all Rural topics—Farming, Fruit-Growing, Flower-Culture, Ornamental Gardening, Rural Architecture, Country and City Homes, their Furnishing and Adornment, Domestic Economy, Housekeeping Hints, &c.

It has Choice Stories, Sketches, Essays, Poems, Wit and Humor, the News, Money and Market Reports, Beautiful Pictures by the best artists, and, in short, all the features of

A FIRST-CLASS FAMILY WEEKLY.

It contains so much room that every number has an abundant variety for Fathers, Mothers, Sons, Daughters, down to the youngest child!

REDUCED RATES for 1870.

INVARIABLY IN ADVANCE.

Single Copies,	-	-	-	-	\$4.00
Three Copies, all at one Time,	-	-	-	-	9.00
Five Copies,	-	-	-	-	12.00

Making **HEARTH AND HOME** to a Club of Five or more subscribers at \$2.40 each, the Cheapest as it is the Most Complete Family Weekly Newspaper in the world. Specimen copies sent free.

PETTINGILL, BATES & CO.,

37 Park Row, New York.

IMPORTANT TRIALS.

A Grand Gold Medal Awarded.

From the Pittsburg Commercial.

XENIA, July 8th.

THE GREAT MIAMI VALLEY TRIAL OF REAPERS AND MOWERS.—This is one of the most important trials ever held in the West. The test was thorough, and the examination severe. *The first premium, a grand gold medal, valued at \$125.00, was awarded to the Kniffen Mower*, as the best Mowing Machine over twenty-six other Machines. The decision of the committee is believed to be thoroughly impartial.

From the Washington Co. Chronicle.

FORT ANN, N. Y., June 26, 1868.

An important trial of Mowers took place at Fort Ann on Monday of this week. Seven Machines entered. The committee appointed on draft reported as follows:

Name of Machine.	Width for Cut.	Draft in lbs.
Kniffen,	4 ft. 3 in.	175
Cipper,	4 ft. 3 in.	200
Buckeye,	4 ft. 1 in.	200
Granite State,	4 ft.	215
Wood,	4 ft.	225
Iron Mower,	4 ft. 2 in.	225
Popltney Mower,	4 ft.	225

Such a record before the public—a reputation earned by actual contest with the oldest and most approved Machines in the field—augurs success for the Company in their enterprise.

N. B. We could furnish a list that would fill any ordinary sized Circular, but defer, trusting we have said enough to induce those who buy a Machine to examine the Kniffen before purchasing any other.

Every one speaks of Easy Draft.

NORTON, Jan. 15, 1870.

KNIFFEN MOWING MACHINE CO., Worcester, Mass.—Gents, we purchased and used one of your One-Horse Mowers last season, your agent Mr. Wetherell starting it for us, the 5th of July last. We are well pleased with the Machine. It does its work well, and is of easy draft. We mowed over some very rocky ground yet without damage. It is in fact a great labor-saving Machine and ought to be used by every farmer.

Yours, truly,

BENJ. E. SWEET.

REPORT OF THE GREAT AMHERST TRIAL.

From the Massachusetts Ploughman.

In this issue of the *Ploughman* appears the Committee's full Report, with circumstance and comment, on the trial of mowers, tedders, rakes and forks at Amherst last June. The agricultural community will find in it matter of not less interest to itself than to the competitors in the field. It was so fair and perfect a trial of the machines there presented, as to clothe the description of it with unusual significance to the farmer; for it reveals to him a certain and most welcome prospect of lightened labors, of time gained for thought and enjoyments of greater system and business despatch in the most hurried portion of the year, and of the substantial elevation of a calling of which drudgery has too long been the hard condition.

What machines are esteemed superior, and why; what precisely suit the farmer's eager desire, and for what reason; the mechanical peculiarities, the economy of effort, the saving of time, and the concentration of power; all this may be readily discovered in a perusal of this Report, which contains instructive hints to the agriculturist far more plentifully than to the inventor and manufacturer. Here are proposals, in fact, to revolutionize to a large extent the work of the farm, by making one man's labor the equal of a number, and compassing a saving of time as well as muscle. And whatever works such a revolution is as much an ally of advancing civilization as the most powerful of moral forces that are brought to bear on the nature of man. This practical method of philosophizing with ploughs and reapers and mowers, tedders and horse rakes, is the way of all others to bring home its pregnant teachings to every man's reflection.

Run over the list, which is a delight in itself, of the machines that bore off the prizes at Amherst, and answer whether it is not enough to hold one fast to his love of the noble profession of agriculture, to see what active, conceiving minds are constantly doing for it, how universal and profound is the interest it provokes, and the closeness of its relations to the every day business and life of us all. Not one of these admirable pieces of mechanism has asserted its real merit, in the only acceptable manner, which does not testify to that interest and those relations. On every field where grass is wont to grow for the blade, they will preach the sermon of the New Age—new for agriculture as well as for everything else. They keep time with the step of progress, and make a music that lightens every laborer's heart. These prizes are an assurance of the serviceability of machinery in aiding the century's rapid advance.

A LIST OF ENTRIES AND AWARDS.

No. 1. *Clipper Mower*, No. 2, entered by Belcher, Taylor & Co., Chicopee Falls, Mass.

No. 2. *Buckeye Mower*, No. 2, entered by A. B. Barnard, West Fitchburg, Mass.

No. 3. *Clipper Mower*, No. 3, entered by George B. Weaver, Newport, R. I.

No. 4. *Ætna Mower*, entered by L. N. Hoge, Salem, Ohio, for the Ætna Manufacturing Co.

No. 5. *Granite State Mower*, entered by Newhall & Stebbins, Hinsdale, N. H.

No. 6. *World's Mower*, entered by E. Ball & Co., Canton, Ohio.

No. 7. *Advance Mower*, entered by the Mansfield Machine Works, Mansfield, Ohio.

No. 9. *Kniffen Mower*, entered by O. Griffin, Worcester, Mass.

No. 10. *Remington Mower*, entered by the Remington Agricultural Works, C. W. Wilbur, Ilion, N. Y.

No. 11. *Advance Mower*, entered by F. Nishwich, Brooklyn, N. Y.

No. 12. *Perry Mower*, entered by A. Hastings, Palmer, Mass.

No. 13. *Eagle Mower*, entered by H. J. Harrington & Co., Valley Falls, N. Y.

No. 14. *Union Mower*, entered by Alzirus Brown, Worcester, Mass.

No. 15. *Young Warrior Mower*, entered by F. Bramer, Agt. Warrior Mower Co., Little Falls, New York.

No. 16. *Buckeye Mower*, No. 2, entered by A. P. Richardson & Co., Worcester, Mass.

No. 18. *Eureka Mower*, 6 ft. Bar, entered by Wilbur, Stevens & Co., Poughkeepsie, N. Y.

No. 19. *American Mower*, entered by the American Mower Co., Z. Chaffee, Providence, R. I.

No. 20. *Eureka Mower*, 5 ft. Bar, entered by Wilbur, Stevens & Co., Poughkeepsie, N. Y.

FIRST PREMIUMS.

The Society's Gold Medal to—

The *Kniffen Mower*, entered by O. Griffen, Worcester, Mass.

The *Perry Mower*, entered by Alvin Hastings, Palmer, Mass.

The *Buckeye Mower*, No. 2, entered by A. B. Barnard, West Fitchburg, Mass.

The *American Mower*, entered by Z. Chaffee, Providence, R. I.

The *Clipper Mower*, No. 2, entered by Belcher, Taylor & Co., Chicopee Falls, Mass.

SECOND PREMIUMS.

They awarded the Society's Silver Medal to—

The *Granite State Mower*, entered by Newhall & Stebbins, Hinsdale, N. H.

The *Advance Mower*, entered by T. Nishwitz, Brooklyn, N. Y.

The *Union Mower*, entered by Alzirus Brown, Worcester, Mass.

The *Eagle Mower*, entered by H. J. Harrington & Co., Valley Falls, N. Y.

The *Ætna Mower*, entered by L. M. Hoge, Salem, Ohio.

THIRD PREMIUMS.

They awarded the Society's Diploma to—

The *Young Warrior Mower*, entered by F. Bramer, Little Falls, N. Y.

The *World's Mower*, entered by E. Ball & Co., Canton, Ohio.

The *Eureka Mower*, entered by Wilbur, Stevens & Co., Poughkeepsie, N. Y.

The *Remington Mower*, entered by C. M. Wilbur, Ilion, N. Y.

Amherst Trial Continued.

Report of Draft.

Kniffen Mower, 4 ft. 9 in. Cut,					Out of Grass.	In Grass.
Ætna	"	4	"	"	123.07	198.84
Granite State	"	4	"	6	164.86	273.11
Buckeye	"	4	"	"	125.75	219.35
Union	"	4	"	6	118.18	208.35
Clipper	"	4	"	"	139.00	257.00
Advance	"	4	"	6	128.50	203.70
Eagle	"	4	"	"	135.20	224.83
Perry	"	4	"	6	114.20	226.69
Eureka	"	4	"	6	119.35	234.16
American	"	4	"	6	118.42	265.70
					115.75	239.80

In conclusion, the Committee would express their gratification with the uniformly high quality of the work submitted to their examination. The machines themselves bore marks of careful workmanship, and generally machines, such as knives, knife-bars, pitman rods, gearing, &c., which have been kindly forwarded since the trial, have all been of good quality and excellent construction. And to the competitors, who have furnished all facts desired, and have patiently submitted their machines to a long and elaborate examination, the Committee would express their obligations, with the assurance that, in making their decisions, they have endeavored to exercise fair and impartial judgment.

GEO. B. LORING, at large,
 CALVIN CHAMBERLAIN, Maine,
 A. G. HILLS, Mass.,
 T. D. THATCHER, Mass.,
 OBEDIAH BROWN, R. I.,
 E. W. HATCH, Conn.,
 GEORGE W. RIDDDE, N. H.,
 CHARLES WILLIAMS, N. H.

} Committee.

A True Copy—

DANIEL NEEDHAM, *Secretary.*

For further particulars see *Massachusetts Ploughman* of Aug. 7, 1869

N. B. The KNIFFEN is Improved for 1870.

Further Reports from Farmers.

WALTHAM, Jan. 25, 1870.

MR. LUMMUS:—Dear Sir, having used for three seasons past both your one and two horse Machines, I feel it a pleasure to state briefly that they both work to my entire satisfaction, and I can recommend them to any one wishing for a perfect Machine.

Yours, Respectfully,

J. H. DODGE.

LYNNFIELD CENTER, Jan. 27, 1870.

MR. LUMMUS:—Dear Sir, by your recommendation I was induced to try a One-Horse Kniffen Mower, and can truly say that it has exceeded my expectations. I have had some experience with other mowers but for ease of draught and operation the Kniffen is far ahead of anything I have ever seen. I have used a horse that weighs only a little over 900 lbs. in stout grass, he would sweat no more than in travelling eight or ten miles with a light wagon. I lent the Machine to J. M. Danforth one-half day who will confirm this statement.

Yours, Truly,

G. E. HERRICK.

MORRIS, Feb. 20, 1869.

MESSRS. FORD & HOWE, Oneonta, N. Y.:—Gents, I have used the One-Horse Kniffen Mower the past season, and it works to my entire satisfaction. I mowed on steep side hill, on rough, stony meadows, among stumps and apple trees, in thick grass and rough bottom, lodged clover, on land that never was plowed, in lodged timothy, and it done good work in every place. A horse that weighs eight hundred will handle it with ease, and it rides to a charm.

Yours, Truly,

D. H. FOOT.

FRANCESTOWN, N. H., Jan. 26, 1870.

E. E. LUMMUS, Esq.:—The Kniffen Mower No. 3, that I bought of you two years ago, has worked first rate, I have mowed all my plowed land for two years, without breaking a cent's worth, and I have mowed in my meadow across ditches that were dry, and into dead furrows for drains, and it does not cramp the cutter in the least, and up side hills that I did not expect my horse would be able to mow, and I would not exchange it for any other Mower that I have seen, though they may do good work, and with the C; Rake that I had of you last year, I found I saved nearly half their cost in doing my haying, and to all wanting a One-Horse Mowing Machine I would advise them to get the Kniffen.

Yours, Truly,

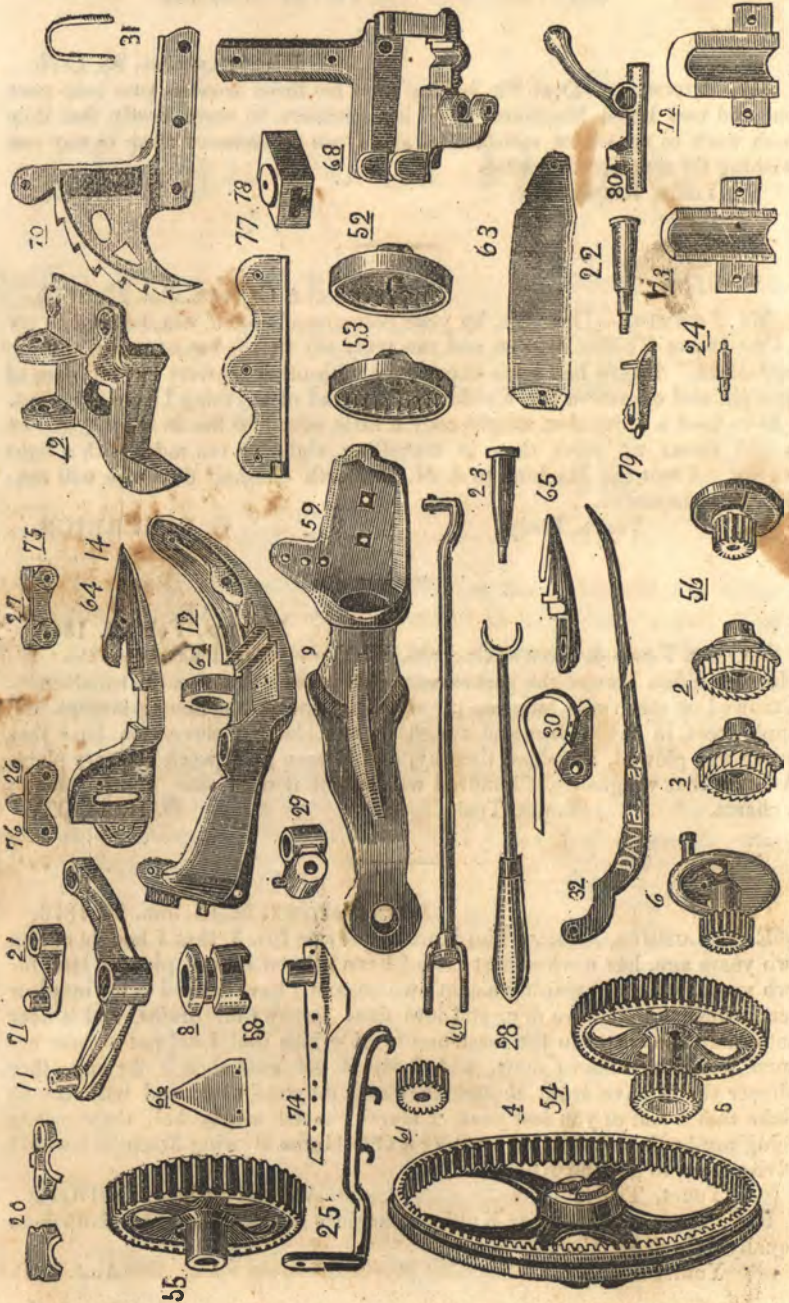
ADONIRAM J. DODGE.

P. S. There are two other Kniffen Machines in town, they have both done equally as well as mine.

Yours, &c.,

A. J. D.

Diagram of parts to Kniffen's 1 and 2-Horse Mowers.



The small numbers refer to parts for the one-horse machine.

Price List of Nos. 1 & 2 two-horse Machines.

No.	Price.	No.	Price.	No.	Price.
Guard Bolts, each	.05	58, Clutch,	\$1.00	71, Link,	.60
Finger Bar Bolts, each	.10	64, Outside Shoe,	2.20	76, Scythe, Buttons, each	.10
Palls, each	.10	59, Sleeve,	5.50	11, Elbow,	\$2.00
Pall Springs, each	.05	56, Crank Balance and Gear,	2.50	20, Brass Box,	1.00
Grass Shield,	.30	Small Spur Pinion,	1.00	Finger Bar Drilled,	8.50
Main Brace,	\$2.00	Lever Supporting Casting,	1.50	Track clearer Socket,	.75
X Gag Iron,	.75	Lever Circle,	.75	Track clearer sticks, each	.15
Rivets per lb.,	.40	Lifting Lever Socket,	.50	Pole,	2.50
Shifting Spring,	.50	Shipper Slide, new	.50	Gag Iron Roll,	.75
28, Shipper Handle,	.45	Shipper Lever,	.50	Whiffletree Springs, each	.15
Lifting Chain,	.75	Shipper Fork,	.28	Pole Hook,	.30
Monkey Wrench,	.90	65, Guards, each	.45	78, Draw Slide,	.25
Main bolt to Brace,	.30	62, Inside Shoe,	3.75	77, Slide Supporter,	.25
Large Clevis,	.25	Inside Shoe, with Stud,	4.50	Outer Shoe Wheel,	.40
Small Clevis,	.20	Inside Shoe, with Stud & wheel,	5.50	Outer Shoe Wheel Bolt,	.15
50, Right Drive Wheel,	8.00	66, Sections, each	.22	Bolts not named, each	.10
51, Left Drive Wheel,	8.00	67, Scythes complete, 6.50 & 7.00	7.00	Draw Iron,	.30
61, Main Spur Pinion,	1.00	68, Seat,	1.40	30, Pitman and Elbow connection,	.40
79, Finger Bar Latch,	.25	Seat Spring,	2.00	24, Elbow Stud,	1.00
70, Lever Ratchet,	.50	31, Clasp around Sleeve,	.35	72, Right Crank Box,	.75
57, Body,	12.00	54, Internal Gear Wheel,	3.50	73, Left Crank Box,	.75
60, Connecting Rod,	3.00	55, Main Spur Gear,	2.00	75, Heel Buttons,	.25
52, Right Hand Ratchet,	1.00	80, Lever Catch,	.25	74, Scythe Shanks,	1.00
53, Left Hand Ratchet,	1.00				

Price List of Extras for No. 3 Mower, one-horse.

No.	Price.	No.	Price.	No.	Price.
Palls,	.10	Main Axle,	3.00	Inside Shoe, with Stud,	4.25
Springs,	.10	26, Scythe Buttons, each	.10	Inside Shoe, with Stud and Wheel	4.75
Clutch Spring,	.40	1, Driving Wheels, each	7.00	14, Outside Shoe,	2.25
Seat Springs, each	\$1.00	19, Lever Socket,	.75	17, Scythe complete,	6.00
Straps to Seat Springs each	.25	20, Brass Box,	1.00	18, Seat,	1.40
Lever Lifting Spring,	.15	25, Lever Catch,	.50	6, Crank Balance,	1.50
Finger Bar Drilled,	7.00	23, Double Gear Stud,	1.50	4, Internal Gear Wheel,	3.00
32, Gag Iron,	.75	22, Crank Gear Stud,	1.50	5, Double Gear Wheel,	2.50
27, Heel Buttons,	.20	21, Link,	.50	8, Clutch,	.30
9, Sleeve,	3.50	2, Right Ratchet,	.90	15, Guards, each	.40
10, Connecting Rod,	3.00	3, Left Ratchet,	.90	16, Sections, each	.20
Main Brace,	1.00	7, Body,	11.00	11, Elbow,	2.00
		12, Inside Shoe,	3.50		

When ordering Extras, state particularly what Number of Machine you have, whether one or two horse, what year you bought it, the No. or name of the piece wanted, how you want it shipped, whether by express or otherwise, and to what station. Be particular about your orders.

NET CASH PRICES,

For Machines delivered on cars at Worcester.

MOWERS.

For No. 1,—4 ft., 9 in. Cut, Two Horse,	-	-	\$125.00
No. 2,—4 ft., 3 in. Cut, Two Horse,	-	-	115.00
No. 3,—3 ft., 6 in. Cut, One Horse,	-	-	100.00
Wheel Horse Rakes,	-	-	35.00
Wagon Jacks, No. 1, per doz.,	-	-	24.00
Wagon Jacks, No. 2, per doz.,	-	-	18.00

With each Kniffen Mower,

Will be furnished a neck yoke, whiffletrees, two complete scythes, two extra knife sections, two guard fingers, monkey wrench, punch, cold chisel, oiler, rivets, composition box, and extra guard bolts.

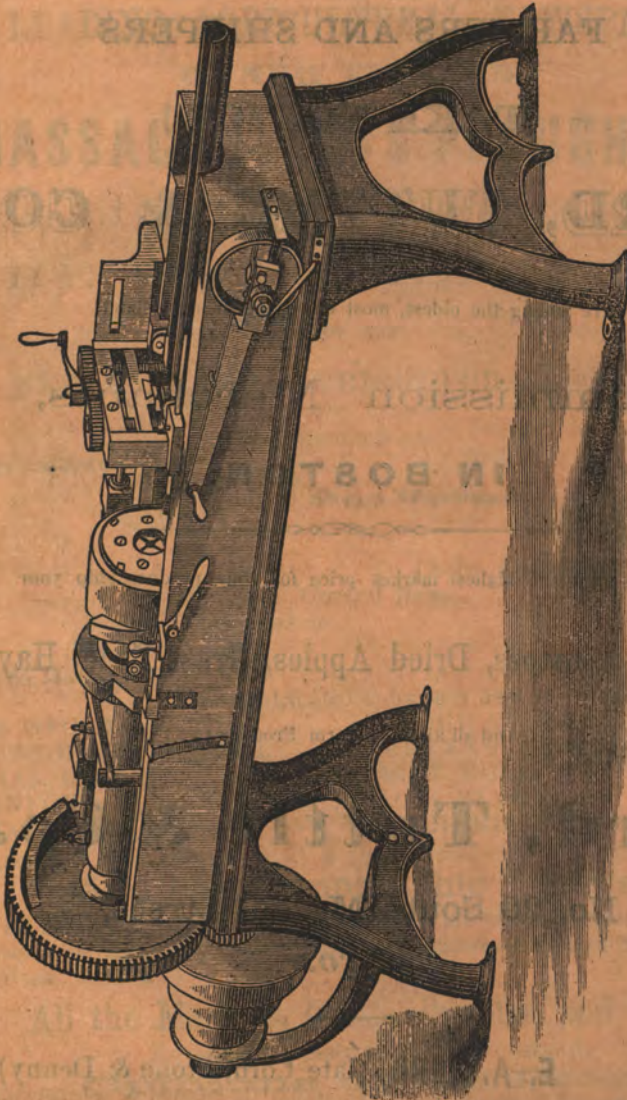
WARRANTY.

That every Machine is well built, of good material, and capable of cutting, with one span of horses, an acre of grass per hour. The purchaser to have the privilege of cutting two acres of grass as a trial of the machine. If it should not work well, he shall give notice to the agent, and allow him time to send a person to put it in order. If it cannot then be made to work satisfactorily, it will be taken back and considered no sale. Continued use after this trial will be considered as satisfactory and the machine sold.

NOTE.—Any Machine settled for before a chance for trial, will be held subject to the above Guaranty, the same as if no settlement had been made.

Machinery of all kinds (Mowing Machines not excepted) requires care and attention. Farmers should not expect a Mower to prove serviceable and durable without proper care. They should be well oiled with *good* oil, and when not in use, well cleaned and housed.

Farmers will bear in mind that the Kniffen Mowers will work (and work well) on rough, uneven or sloping ground, side hills, embankments, ditches, &c., where no other machine can follow.



Patent Improved Bolt Cutter.

WOOD, LIGHT & CO.,

Manufacturers of all kinds of Iron Working Machinery, Improved Lathes, especially adapted for all kinds of Wrought Iron turning, by which double the amount of work of ordinary Lathes is done, and Bolt Cutters of superior construction.

All kinds of Mill Work, and Shafting with Patent Couplings and Self Oiling Boxes and Agents for the sale of Turbine Water Wheels.

Manufacturers and Machinists should examine our work before purchasing elsewhere.

**WAREHOUSE,
107 Liberty St.,
NEW YORK.**

**WORKS,
Hammond St.,
WORCESTER, MASS.**

FARMERS AND SHIPPERS

TAKE NOTICE!

LORD, TUTTLE & CO.,

Are among the oldest, most experienced and reliable

Commission Merchants,

IN BOSTON.

If you want the highest market price for your produce, ship your

Beans, Potatoes, Dried Apples, Grass Seed, Hay,

And all kinds of Farm Produce to

Lord, Tuttle & Co.,

No. 20 South Market Street,

BOSTON.

E. A. LORD, (late Lord, Stone & Denny).

GEORGE W. TUTTLE.

N. B. Also Jobbers of Flour.

Mr. LORD having had a long experience in the receiving business and being fully posted on the different brands that are received in our market, would be pleased to show you samples before purchasing elsewhere.

GIVE THEM A CALL.

LEADING AGRICULTURAL NEWSPAPER
OF NEW ENGLAND!

MASSACHUSETTS PLOUGHMAN

And New England Journal of Agriculture.

THE "OFFICIAL ORGAN"

OF THE

NEW ENGLAND AGRICULTURAL SOCIETY,

DEVOTED TO

Agriculture,

Horticulture,

Sheep Husbandry,

Stock Raising.

Domestic Economy,

Choice Literature,

General News,

Wool Markets

Produce Markets,

Cattle Markets, &c.

And contributed to by such men as

DR. GEO. B. LORING,
MARSHAL P. WILDER,
CHAS. L. FLINT,
SANFORD HOWARD,
LEVI STOCKBRIDGE,

JUDGE COLBURN,
ALEXANDER HYDE,
E. W. BULL,
D. D. SLADE,
RICHARD GOODNEAU,

And others.

And has Phonographic Reporters

At all great public meetings, where subjects are being discussed of importance to the Agricultural Community, in whatever section of New England they may be held.

All the Markets, Cattle, Produce, and Wool,

Reported expressly for the PLOUGHMAN.

Opinions of the Press.

The *Massachusetts Ploughman* is the spiciest Agricultural Paper in New England.

—[*Rural New Yorker*

The *Massachusetts Ploughman* is the standard authority for Agriculturalists.—

[*Boston Daily Advertiser*.

The *Massachusetts Ploughman* maintains the lead of the Agricultural Papers.—

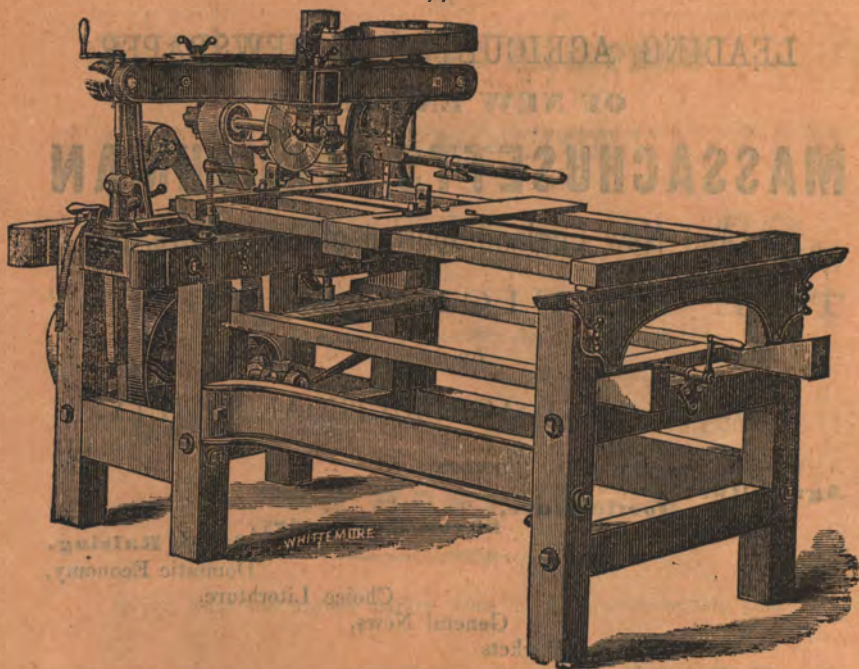
[*Boston Transcript*.

☞ Specimen copies sent everywhere on application.

Terms, \$2.50 Per Year in Advance.

GEORGE NOYES, Publisher.

51 & 52 North Market Street, - - BOSTON.



WITHERBY, RUGG & RICHARDSON,

MANUFACTURERS OF

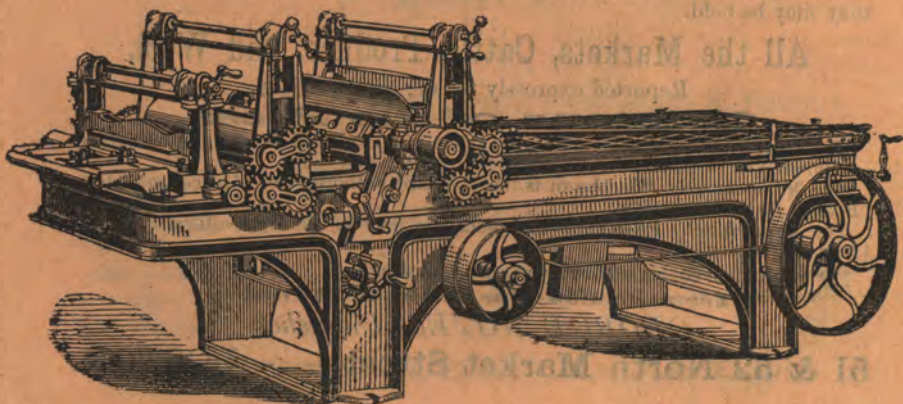
WOOD-WORKING MACHINERY.

Making a Speciality of

*Woodworth's Planing, Tongueing and Grooving Machines, Tenon
Machines, Box Machinery, Saw Arbors, &c.*

24 & 26 Central, Corner Union Street,

Worcester, Mass.



THE EXPOSITION!

(Formerly the Whitlock Exposition.)

35 and 37 Park Place,

NEW YORK.

Will sell the best goods of all kinds in Market, at the lowest rates.
Among which may be found

Agricultural

Implements,

Steam Engines,

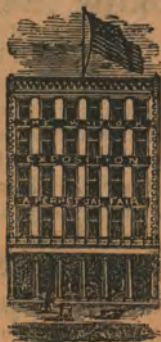
Steam Pumps,

Hand Pumps,

Wood Working

Machinery,

New Patents,



Household

Furniture,

Including novelties

for the Kitchen,

Trees, Plants, Seeds,

Bird Houses,

and Ornaments for

the Lawn.

All Kinds of Goods and Machinery Furnished.

FOR FULL PARTICULARS SEND FOR THE

EXPOSITION RECORDER.

A Semi-Monthly Journal, Fully Illustrated.

Specimen Copies Sent Free on Application. Price \$1 per annum.

Certain Cure for Lock-Jaw.

Take of strong Plug Tobacco a piece 3 inches square, immerse in boiling water until thoroughly saturated, take it out and allow it to cool (that it will not blister); then flatten and apply to the pit of the stomach. Let it remain for five or ten minutes until the patient turns white around the mouth and the muscles produce a twitching sensation, then remove and administer whiskey or any stimulating drink. The remedy should be used with extreme caution or it may prove fatal. People accustomed to the use of tobacco will require more than those who are not.

Cure for Small Pox.

When the fever is at its height, and just before the eruption appears, the chest is rubbed with croton oil and tartaric ointment. This causes the whole of the eruption to appear on that part of the body, to the relief of the rest. It also secures a full and complete eruption, and thus prevents the disease from attacking the internal organs.

To Cure a Felon.

Take common rock salt, such as is used for salting down pork and beef, dry it in an oven, then pound it fine and mix with spirits of turpentine in equal parts. Put on a rag and wrap it round the finger, and as it gets dry put on some more, and in twenty-four hours we are assured the felon will be dead.

Smoking Hams.

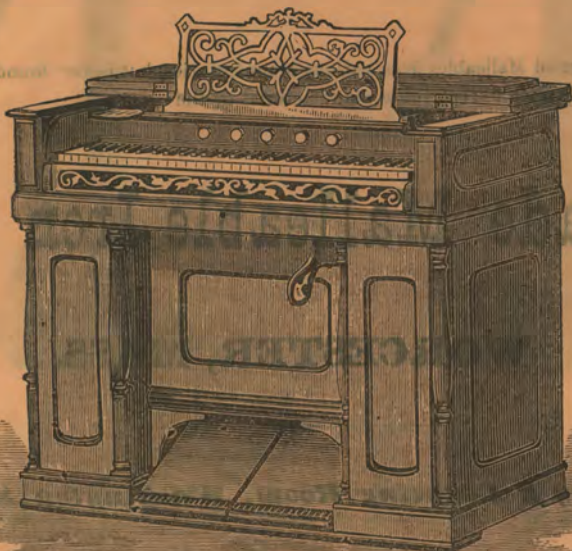
Let the hams remain frozen and wrapped in papers through the cold weather. In the spring, smoke your barrel by gradually burning under it, when inverted, a bushel of cobs; then rinse the barrel with warm water that is to be used in making the brine. For one hundred pounds of meat, use ten pounds of salt, two quarts of molasses, two ounces salpetre, with water enough to cover the meat. Scald the brine, skim it, and put it with the hams, packed in the smoked barrel. Treated in this way the hams have the taste of smoked meat, without smoking, and will keep, like other salt meat, through the summer.

How to Can Fruit.

	Time for Boiling Fruits.	Quantity of Sugar to Quart.
Cherries, - - - -	5 minutes,	6 ounces.
Raspberries, - - - -	6 "	4 "
Blackberries, - - - -	6 "	6 "
Strawberries, - - - -	8 "	8 "
Plums, - - - -	10 "	8 "
Whortleberries, - - - -	5 "	4 "
Pie Plant, sliced, - - - -	10 "	10 "
Small Sour Pears, whole	- 30 "	8 "
Bartlett Pears, in halves	- 20 "	6 "
Peaches, - - - -	8 "	4 "
" whole, - - - -	15 "	4 "
Pine Apple, sliced - - - -	15 "	6 "
Siberian or Crab Apple, - - - -	25 "	8 "
Sour Apples, quartered - - - -	10 "	5 "
Ripe Currants, - - - -	6 "	8 "
Wild Grapes, - - - -	10 "	8 "
Tomatoes, - - - -	20 "	none.
Gooseberries, - - - -	8 "	8 ounces.
Quince, sliced - - - -	15 "	10 "

Taylor & Farley Organ Company,

Worcester, Mass.



Manufacture Over Sixty Different Styles of

ORGANS & MELODEONS,

IN ROSEWOOD AND WALNUT CASES.

NATIONAL ORGANS. *Style No. 59.* Five Octaves, Five Stops; solid Black Walnut Case, Panned front, back and ends; Carved Brackets and Mouldings; two full sets of Reeds, improved Bellows, Tremolo and Patent Knee Swell.

Stops—Diapason, Dulciana, Flute, Celestina, Tremolo. *Price, \$125.*

Style No. 60. Five Octaves, Six Stops; solid Black Walnut Case, Panned front, back and ends; Carved Brackets and Mouldings; two full sets of Reeds, and one octave of Sub-Bass Reeds of sixteen foot tone, connected with the manuals; improved Bellows, Tremolo and Patent Knee Swell.

Stops—Diapason, Dulciana, Flute, Celestina, Sub-Bass, Tremolo. *Price, \$150.*

Style No. 61. Five Octaves, Five Stops, including the beautiful Patent Vox Humana, and also the Octave Coupler, which nearly doubles the power of the Organ, giving the effect of four sets of Reeds; solid Black Walnut Case, Panned front, back and ends; Carved Brackets and Mouldings; two full sets of Reeds and one octave of Sub-Bass Reeds of sixteen foot tone, connected with the manuals; improved Bellows, and Patent Knee Swell.

Stops—Vox Humana, Octave Coupler, Sub-Bass, Flute, Celestina. *Price, \$175.*

EVERY INSTRUMENT MADE BY US IS FULLY WARRANTED.

 Illustrated and Descriptive Circulars sent to any address.

TO MANUFACTURERS!

We have tried Malleables from various Manufacturies, but never found an article we could rely upon except those manufactured by the

Arcade Malleable Iron Co.,

WORCESTER, MASS.

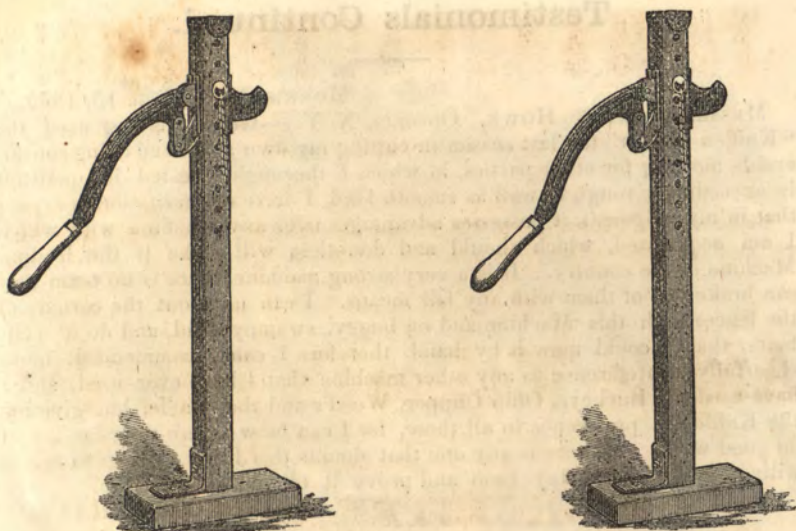
Foundry & Counting Room, Washington Square,

NEAR THE WESTERN RAILWAY STATION.

WARREN McFARLAND, Agent.

Malleable Iron Castings,
Of Every Description Constantly on hand and Made
AT SHORT NOTICE.

P. S. We know there is a great difference
in Malleable Iron Castings. Where is it?



T H E

Monitor Carriage Jack.

Manufactured and for sale at wholesale and retail by the

KNIFFEN MOWING MACHINE CO.,

The only Common Sense Wagon Jack ever Invented.

Is Convenient, Adjustable, occupies but little room, and cheap enough for any one.

Thousands are being Sold because they are so Cheap and Simple.

SEND FOR ONE HALF-DOZEN AND TRY THEM.

Every Farmer, Livery Stable Keeper, and Carriage owner in the country wants one, and will buy it, if they had an opportunity. For sale by the

Kniffen Mowing Machine Co.,

WORCESTER, MASS.

P. S. 100 LBS. ON THE HANDLE WILL LIFT A TON.

Testimonials Continued.

MORRIS, N. Y., Feb. 15, 1869.

MESSRS. FORD & HOWE, Oneonta, N. Y.;—Gents, having used the "Kniffen Mower" the last season in cutting my own grass and doing considerable mowing for other parties, in which I thoroughly tested its qualities in exceedingly rough as well as smooth land, I have no hesitation in saying that in my judgment, it possesses advantages over any machine with which I am acquainted, which should and doubtless will make it the leading Machine of the country. It is a very strong machine, there is no team that can brake one of them with any fair means. I can mow out the corners of the fences with this Machine and on boggy, swampy land, and do it well, better than I could mow it by hand, therefore I can recommend it more cheerfully in preference to any other machine that I have ever used, and I have used the Buckeye, Ohio Clipper, Wood's and the Eagle, but give me the Kniffen in preference to all these, for I can mow where they can't, and do good work. If there is any one that doubts this I am willing to test it with any of them at any time and prove it to your satisfaction.

Yours, truly,

GEORGE W. HALL.

Mr. E. E. LUMMUS, Boston Mass.—At the time I purchased the Kniffen Mowing Machine I was told by those interested in other machines that the Kniffen would break easily. After having used it two seasons I find this to be false, for it stands well not costing a cent for repairs, and at the same time possessing the very desirable qualities of being light, of very easy draft and doing its work perfectly satisfactory. To any one thinking of buying a Mowing Machine, and undecided what one to get, I say try the Kniffen. You may be safe in concluding there is none better, while many think it the best.

Dec. 27, 1869.

E. S. RAYNOR,

North Reading, Mass.

EAST SHARON, Jan. 24, 1870.

E. E. LUMMUS, Esq.—Dear Sir, I want to say concerning the Kniffen Mower that it has proved exactly as you recommended to me, my land is very rough, but it done the work well, and I would advise every farmer to get a Kniffen Mower as it is the easiest to be kept in order, and I consider it to be the best of all Mowers in use.

Yours, Truly,

JOHN N. GEISSLER.

Jan. 27, 1870.

Mr. LUMMUS :—Dear Sir, I was persuaded by your agent to buy a one-horse Kniffen Mower, and have never been sorry for it. My land is rough but it mowed where any machine could be expected to mow, I had no trouble with it, my horse could work four hours on it as easy as he could plow or do ordinary farm work.

Yours, Truly,

G. M. LAWRENCE.



The Kniffen folded for Transportation.

Important to Farmers.

Nearly every year brings improvements in Mowing Machines, and Manufacturers must keep pace with the times or take a back seat.

Who to-day would inquire for a Manny or Ketchum Mowing Machine were they going to buy one, yet these Machines were a success, they did good work, and many people were loath to abandon them.

Other and more perfect Machines have taken their place, and they have had their day and are now becoming gradually less. The man who is slow to believe still clings to them, saying "he wants no better," but like the foreigner in the river Thames, "he will be drowned and nobody shall help him." The Kniffen's are the latest and most improved Machines in the market. They are constructed upon entirely new principles. They are becoming the rival Machine of all others. They are building a reputation upon the experience farmers have had with other machines. And the past season demonstrated the fact that their success was certain. We were unable to fill one-half of our orders. Your orders must come in early or we cannot fill them. We have run our shop to its fullest capacity since the last harvest.

We never fail to sell to those that will try them.

We Want Prompt Settlements.

Mowing Machines are no longer a matter of experiment, but as staple an article as any implement used on a farm. We make the Kniffen Machines from the very best stock in market, employ experienced mechanics to do the work, and we sincerely believe them to be the very best Machines in use. We warrant them perfect. In view of this (our Warranty), we say settle when you take the Machine, (our Warranty is good) and it will save both you and the Agent much time and trouble. You say you will pay in a few days, give us your note for that few days and that will settle the matter at once. The custom of putting out Machines to be used indefinitely on a pretence of trying them "has played out," few farmers want any such privilege when a Machine comes thoroughly warranted. Those that do, we don't want for customers. They are a class that usually get their mowing done from season to season at your, (the Agent), and our expense.

Not Making Anything.

Agents complain frequently of "not making anything," of "having so much trouble," etc., etc. Your trouble comes from settling up, where also a great portion of your time is spent. Besides you don't work in the time of it, you have work of your own then to do. Neglect your own business and then estimate the results. Give us three weeks of thorough and continued work at the time when farmers are buying their Machines, and our word for it you will never have cause to complain more. But you must adopt the system of settling promptly, it is right and no reasonable farmer will object to it.

The Profits on Mowing Machines.

Some Agents and most farmers imagine there are enormous profits derived from manufacturing Machines. But we can assure you that that day has passed. Most manufacturers would quit the business entirely, except they are in it and own Patents, Forms and Patents, which have cost them largely and would be lost entirely if they should cease manufacturing. To build a good Machine of good material requires an immense capital. The capital invested remains one year without interest, before the manufacturers begins to realize any returns. And then if they are not successful in selling may have to carry over another season, perhaps a large portion of their Machines. With us this is not the case, we have been unable to furnish one-half we have had orders for.

OUR IMPROVEMENTS.

While our Machines have done splendidly and given perfect satisfaction the two last seasons, we have seen some points wherein we believed they might be improved, thereby adding beauty and simplicity together with convenience and strength to the Machines, such as shifting in and out of gear; doing away with springs; making a better and easier lifting attachment; altering the pitch of the guards for a lower or higher cut; adding strength where strength was needed; reducing where it could be done and not injure the strength; making new patterns all through; thereby correcting all imperfections however small; building the neatest and most attractive Machine in market; one that Agents take pride in selling, and the farmer takes pleasure in using. Would you have the latest and most improved Machine? Buy the Kniffen. We will guarantee you will like it.

How to send Money.

If you live near a bank, deposit your money, take a check of deposit payable to the order of Kniffen Mowing Machine Company, and send it in a letter. If not near a bank, send by express. There is no need of sending notes payable to our order by express, send them by mail.

How to take Notes.

No Agent will take a note (unless he has bought his Machines) except he makes it payable to our order. For instance: "One day after date I promise to pay to the order of the Kniffen Mowing Machine Co., one hundred and fifteen dollars, at some Bank or Express Office, for value received, with interest."

Advertising.

We shall advertise in all the leading Agricultural Papers in New York and Boston. Shall furnish you (our Agents) with a supply of posters, pamphlets, etc., which is all the advertising done by the Company.

ORDER EARLY.

We are frequently asked by Agents to allow them commission on Machines sold, but that could not be furnished (because we were all sold out.) The two past seasons our Machines have all been sold, and many more might have been if we had had them. Hoping Agents and others will govern themselves accordingly, and *Order early and settle Promptly.*

We remain, most respectfully yours,

KNIFFEN MOWING MACHINE CO.,

Worcester, Mass.

P. S. We have made the price of our Machine just as low as we possibly can afford to and build a good Machine.



Made only by AMES PLOW COMPANY, Quincy Hall, Boston & 53 Beekman St., N. Y.
FOR SIMPLICITY, DURABILITY AND EASE OF OPERATION UNEQUALLED.