

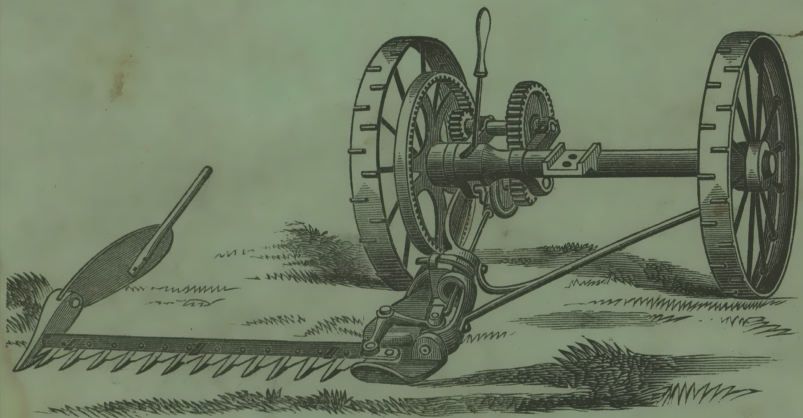
*Agent -
Summer Hayden - Ashland - Mass.*

KNIFFEN

Mowing Machine,

— FOR —

ONE AND TWO HORSES.



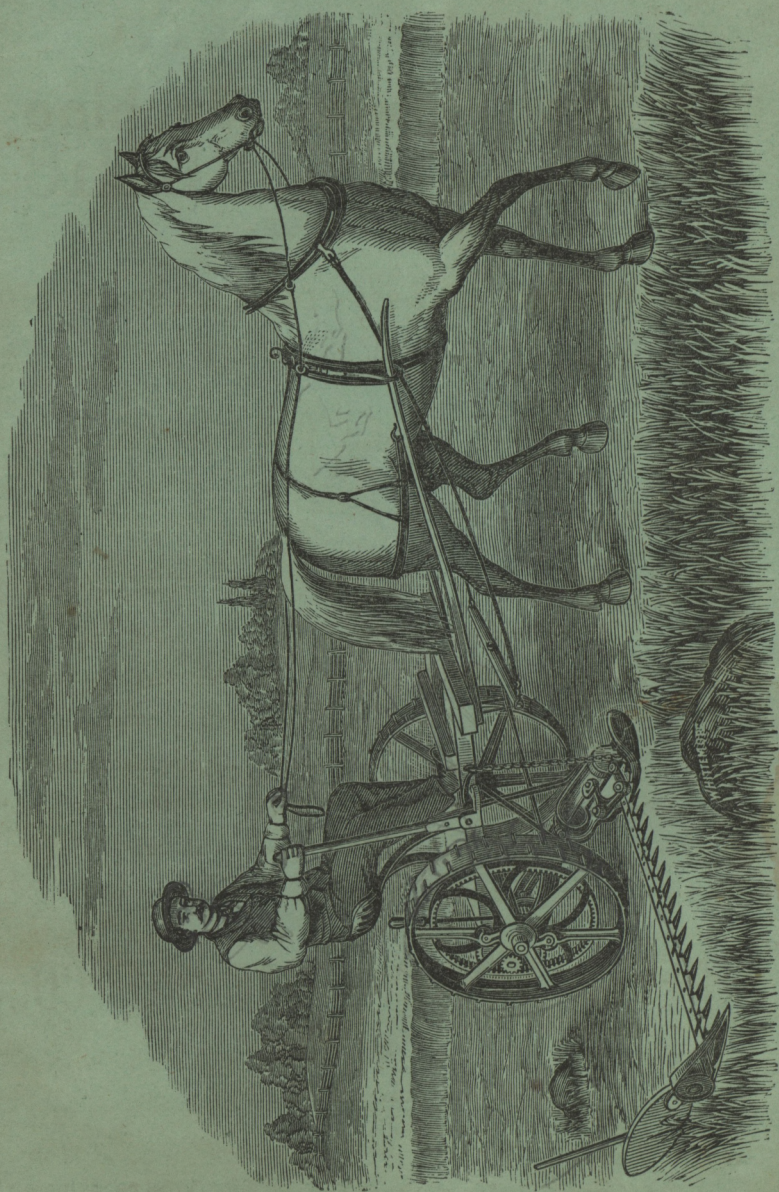
MANUFACTURED BY THE

KNIFFEN MOWING MACHINE CO.,

CENTRAL STREET,

WORCESTER, MASS.

E. R. Fiske, Printer, Worcester, Mass.

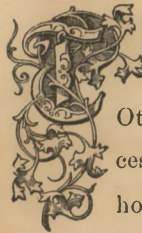


The Best Mowing Machine

IN THE WORLD.

THE FARMERS' WANTS FULLY SATISFIED.

ONE-HORSE MOWERS PRACTICABLE.



HE KNIFFEN MOWER was first introduced and earned its reputation as a ONE HORSE MOWER. Other manufacturers have not dared to risk the success of their Machines with the power of a single horse, and a general impression has prevailed that a One-Horse Mower is impracticable; but the KNIFFEN has put the matter at rest. Requiring the lightest draft of any in the market, their practical operation in the field—after two years' trial by more than 800 different persons, to whom it has in nearly every instance, given entire satisfaction—doing the best of work in all kinds of grass, from the heaviest meadow to the finest down, enabling one horse to perform seven-eighths of the work usually accomplished by a pair of horses, with the ordinary two-horse Machines, removes all doubt regarding their efficiency, and Farmers whose convenience would be best subserved by a One-Horse Mower, may purchase the KNIFFEN in “perfect faith casting out fear.” It will give them entire satisfaction.

Two-Horse Mowers.

As many Farmers with "broad acres" and plenty of team, prefer a two-horse Mower to meet their wants, we are now building Two-Horse Machines, made from entirely new patterns, and possessing all the new and valuable features and principles embraced in our one-horse Mower,—principles which have never before been embodied in other Machines, but which are of vital importance to the success of a good Mower. They have been put to the most thorough tests and have won the approval of all who have tried or examined them. The Worcester *Spy*, of November 15th, says :—

¶ The new Machine, (two-horse), was out on trial Tuesday afternoon on the new common, and, although the grass was dead and hard, and filled with stubble, the Machine acquitted itself to the satisfaction of the gentlemen present, many of whom were experienced judges. Besides the usual tests, the Machine was subjected to a series of trials which would be hardly possible in actual use, and under which it might well be expected it would give way, but notwithstanding the prodigious strain applied in every conceivable manner, there was no failure, every part of the Machine was proved to be perfect in strength. About fifty of these Machines were made last season, and gave unusual satisfaction. It is the intention of the proprietors to build a large number for next season, and, after the tests we have seen, there can be no doubt of its ultimate and permanent success.

Some of the Many Points of Excellence

—A N D—

SPECIAL ADVANTAGES EMBODIED IN THE KNIFFEN MOWER.

Wheels.—The Wheels are higher than on other Machines, and lighter, being constructed with wrought iron spokes. Both Wheels are drivers.

Tubular Castings.—Our Castings are mainly constructed on the Tubular Principle, securing at once greater strength and lightness.

Bolts.—Other machines have, independent of the cutter-bar, about 40 Bolts. The KNIFFEN has but 12, and these are all in sight of the operator.

Shafting.—The KNIFFEN has but 28 inches of Shafting, while other machines have from 5 to 6 feet to keep in motion, which absorbs much power.

Extras.—The KNIFFEN has fewer parts and bolts than other machines, and is less liable to get out of order, and the Farmer has less extras to buy.

Seat.—The driver reaches or leaves his Seat from the rear of the Machine, instead of the front, thus securing greater safety, convenience and ease.

Strength and Lightness.—The KNIFFEN is more simple and perfect in construction, and combines greater Strength and Lightness than any other machine in use.

Gearings.—Our Gearings are of superior quality, and have the most perfect adjustment ever found in any machine. The *bearings* of the KNIFFEN are secured in a solid piece of casting, which requires no bolts to keep it in position; while in other machines with wooden frames, constantly swelling and shrinking with the changes of the weather, the Gearings soon become misplaced and easily broken.

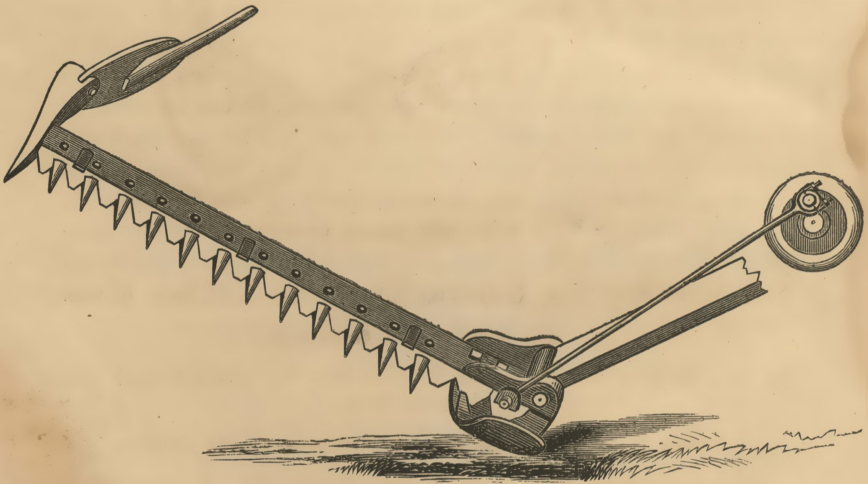
Draft.—The Draft of the KNIFFEN is reduced to a lower point than on any other machine. The *true principle of attaching the Draft* is embodied on our Machine, being so arranged that the team gently *lifts up* on the cutter, causing them to pass lightly over the ground, and the draft-rod, which is attached near the cutter, is *adjustable*, so as to *lift more or less*, at the pleasure of the operator. No Farmer would buy a plow with the draft not adjustable in the clevis, higher or lower, at his pleasure. It is quite as important that his Mowing Machine should have an adjustable draft. With some machines, when the shoe or cutter runs against a hillock, for instance, you have to raise the inside shoe with the lever; in the KNIFFEN the *draft of the team* serves to *lift up* and carry the cutters over small obstructions.

Throwing Out of Gear.—By the simple movement of a lever, our Machine is at once thrown entirely out of gear, leaving the driving wheels free to move *independent of all the gearing*. The KNIFFEN 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*.

Elevations and Depressions of Surface.—When you approach a bank or hollow with ordinary machines, you stop and calculate whether the one is not too deep or the other too high. With the KNIFFEN you go "marching on," *knowing* the knives will work free and easy in whatever position they are placed, mowing equally as close over hillocks and ridges, and through furrows and ditches, as on level ground.

As a Reaper.—The KNIVEN Mowers are constructed so that at any future time an excellent Reaper Attachment can be applied with ease.

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

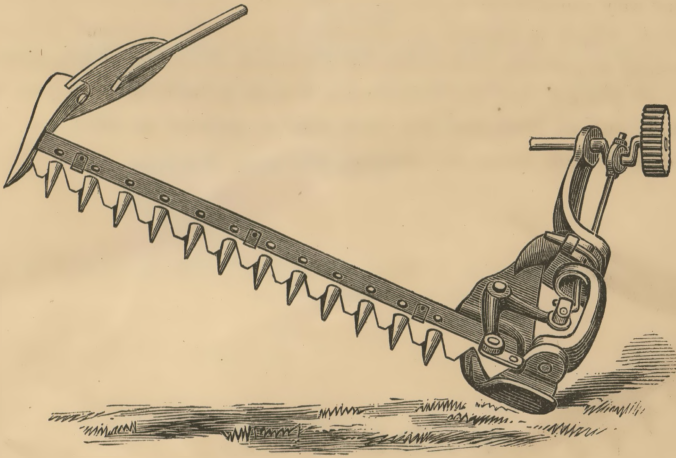
IN WHICH

Ordinary Mowers Cramp and come to a full Stop.

Breakage is eminent if you allow the end of the Cutter

To Run over any considerable elevation.

The **KNIFFEN MOWER** entirely overcomes the foregoing objection, the power being so applied that they 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.

PRICES OF MACHINES,

Delivered on Cars at Worcester.

No. 3 ,	One-Horse	Mower, with a Cut of 3 feet 6 inches,	. .	\$115.00
" 2 ,	Two-Horse	" " " 4 " 3 inches,	. .	125.00
" 1 ,	"	" " " 4 " 9 inches,	. .	135.00

Two complete Scythes, two extra knife sections, two guard fingers, a malleable iron wrench, an oil can, a cold chisel, a punch, rivets, an extra composition box, and a pair of whiffletrees, an evener, and neck-yoke are composed in each Machine.

WARRANTY.

Each Machine is Warranted to do the work with as great speed and in as perfect manner, in the hands of a competent manager, as any other, and a half-day's use will be allowed as a fair trial before settlement. If any defect is discovered, immediate notice must be given and sufficient time allowed for putting it in order. If then it proves permanently defective, a new and perfect Machine will be substituted, or the money refunded.

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.

PRICE LIST OF EXTRAS FOR NO. 3 MOWER, 1867.

No.	Price.	No.	Price.
1. Driving Wheel, each,.....	\$7 00	15. Guards,.....	\$0 45
2. Right Hand Ratchet,.....	0 90	16. Sections,.....	0 22
3. Left Hand Ratchet,.....	0 90	17. Scythe, complete,.....	6 00
4. Main Gear Wheel,.....	4 50	18. Seat,.....	1 40
5. Double Gear,.....	3 00	19. Lever Socket,.....	0 75
6. Crank Balance,.....	2 65	20. Brass Box.....	1 10
7. Body,.....	11 00	21. Link,.....	0 65
8. Clutch,.....	1 00	22. Crank Stud,.....	1 50
9. Sleeve,.....	3 50	23. Double Gear Stud,.....	1 50
10. Connecting Rod,.....	3 00	24. Elbow Stud,.....	1 00
11. Elbow,.....	2 00	25. Lever Catch,.....	0 75
12. Inside Shoe,.....	3 00	26. Scythe Buttons,.....	0 10
14. Outside Shoe,.....	1 40	27. Heel do.	0 25

PRICE LIST OF EXTRAS FOR NOS. 1 & 2 MOWERS, 1867.

No.	Price.	No.	Price.
50. Right Hand Drive Wheel,.....	\$8 00	65. Guards,.....	0 50
51. Left " " ".....	8 00	66. Sections,.....	0 25
52. Right Hand Ratchet,.....	1 00	67. Scythes,.....	6 50 to 7 00
53. Left " " ".....	1 00	68. Seat,.....	1 40
54. Main Gear Wheel..	5 00	69. Lever Socket,.....	1 00
55. Spur " " ".....	3 00	70. Lever Catch,.....	0 75
56. Crank Balance,.....	2 00	71. Link,.....	0 65
57. Body,.....	12 00	72. Right Crank Box,.....	0 75
58. Clutch,.....	1 00	73. Left " " ".....	0 75
59. Sleeve,.....	3 50	74. Scythe Shank,.....	0 50
60. Connecting Rod,.....	3 00	75. Heel Buttons,.....	0 25
61. Main Spur Pinion,.....	1 00	76. Scythe " ".....	0 10
62. Inside Shoe,.....	3 50	11. Elbow,.....	2 00
63. False Shoe,.....	1 00	20. Brass Box,.....	1 10
64. Outside Shoe,.....	1 40	24. Elbow Stud,.....	1 00

The *Number* is cast in, on each piece of the Machine. In ordering Extras, give the number of the Machine and the number of the part wanted.

We have many written testimonials and letters from those who have used our Machines, but we forbear to fill up space with them. For the satisfaction of those who wish to make inquiries, we refer, among others, to the following substantial names :

REFERENCES.

NAMES.	RESIDENCE.	NAMES.	RESIDENCE.
John Richardson,	<i>Holden, Mass.</i>	James E. Cheney, Esq.,	<i>Holden, "</i>
Edwin Phillips,	<i>Charlton, "</i>	Fielding & Bartlett,	<i>Lowell, "</i>
J. Rand,	<i>Bolton, "</i>	Z. Baker,	<i>Worcester, "</i>
Wm. S. Clark,	<i>Orange, "</i>	J. A. Barber,	<i>Northfield, "</i>
E. Deane,	<i>Hardwick, "</i>	Joel Nourse, Esq.,	<i>Boston, "</i>
Hon. J. W. Bigelow,	<i>Rutland, "</i>	Levi Washburn,	<i>West Randolph, "</i>
Hon. Velorous Taft,	<i>Upton, "</i>	Silas Stewart,	<i>Sterling, "</i>
Frederick Leland,	<i>Sherborne, "</i>	E. D. Rich,	<i>Oxford, "</i>
Isaac Bellows,	<i>Spencer, "</i>	D. S. Caldwell,	<i>Newburyport, "</i>
David Lincoln,	<i>Hopkinton, "</i>	T. L. Fuller,	<i>Athol Depot, "</i>
Zebina Gleason, Esq.,	<i>Westboro', "</i>	L. Stratton,	<i>Boylston, "</i>
G. H. Raymond, Esq.,	<i>" "</i>	Smith & Hooker,	<i>Rutland, "</i>
Ira Jones,	<i>Berlin, "</i>	S. L. Reed,	<i>Hudson, "</i>
— Greenwood,	<i>Millbury, "</i>	C. Wilder,	<i>West Acton, "</i>
Thomas Nye,	<i>Littleton, "</i>	E. G. Bragg,	<i>Lancaster, "</i>
Welcome L. Cook,	<i>Milford, "</i>	Elisha Wheelock,	<i>So. Dedham, "</i>
J. W. Blake, Esq.,	<i>Westboro', "</i>	Jno. L. Shorey,	<i>Lyon, "</i>
Chas. A. Gilmore,	<i>" "</i>	A. Ballard,	<i>Boston, "</i>
Caleb S. Wetherell,	<i>Norton, "</i>	Jacob L. Gallup,	<i>Ledyard, Conn.</i>
Joseph M. Newcomb,	<i>Attleboro', "</i>	Barstow & Palmer,	<i>Norwich, "</i>
Hiram Nichols,	<i>Southboro', "</i>	Harris, Williams & Co.,	<i>New London, "</i>
Henry Pond,	<i>Shrewsbury, "</i>	Wm. Chandler, Esq.,	<i>Woodstock, "</i>
L. Shumway,	<i>Oxford, "</i>	Chas. Allen, Esq.,	<i>Hartford, "</i>
Sullings & Kingman,	<i>N. Bedford, "</i>	B. B. Bradley & Co.,	<i>New Haven, "</i>
Jesse Moulton,	<i>East Brookfield, "</i>	Jos. Priest,	<i>Rock Bottom, "</i>
John A. Hawes, Esq.,	<i>Fairhaven, "</i>	Mark Tucker,	<i>New Bridge, "</i>
Absalom Lord,	<i>Boylston, "</i>	D. G. Porter,	<i>Waterberry, "</i>
Dol. David Mosely,	<i>Westfield, "</i>	W. Tallett,	<i>Westboro', "</i>
T. S. Haskell,	<i>Belchertown, "</i>	Jno. Thompson,	<i>Ellington, "</i>
S. A. Harrington,	<i>Westboro', "</i>	Ward, Humphrey & Co.,	<i>Concord, N. H.</i>
D. W. Lane,	<i>North Brookfield, "</i>	John M. Crosby,	<i>Charlestown, "</i>
Henry G. Colburn,	<i>Northboro', "</i>	Joshua Getchell, Esq.,	<i>Exeter, "</i>
A. C. Blanchard, Esq.,	<i>Brookfield, "</i>	Thomas Nye,	<i>Littleton, "</i>
Collins Allen,	<i>Oxford, "</i>	Ashael A. Smith,	<i>Hanover, "</i>
Daniel N. Chase,	<i>Blackstone, "</i>	G. L. Colburn,	<i>Troy, "</i>
Charles L. Warner,	<i>Hardwick, "</i>	N. H. Richardson,	<i>Marlboro', "</i>
Simeon F. Twitchell,	<i>South Framingham, "</i>	Edson X. Piece,	<i>No. Springfield, Vt.</i>
John O. Foy, Esq.,	<i>So. Weymouth, "</i>	S. R. Holland,	<i>Pittsfield, "</i>
Hon. Timothy Walker,	<i>Holliston, "</i>	E. D. Mason,	<i>Richmond, "</i>
John A. Fitch, Esq.,	<i>Hopkinton, "</i>	T. J. Stevens,	<i>Newbury, "</i>
Robt. White,	<i>Ashland, "</i>	Barber Chase,	<i>Bennington, "</i>
Harlow & Barnes,	<i>Plymouth, "</i>	Amos Pratt,	<i>Cullingsville, "</i>
Theodore Woodward,	<i>Northboro', "</i>	Emery & Waterhouse,	<i>Portland, Me.</i>
Fitch Winchester,	<i>Southboro', "</i>	Phinehas Howe, Esq.,	<i>Castine, "</i>
Stockwell & Spaulding,	<i>Northampton, "</i>	Wm. Tibbetts, Esq.,	<i>Kennebunk, "</i>
S. Allen's Sons,	<i>Greenfield, "</i>	Geo. Allen,	<i>Woonsocket, R. I.</i>
John D. Lovell, Esq.,	<i>Worcester, "</i>	Wm. E. Barrett & Co.,	<i>Prov., "</i>
E. E. Lummus, Esq.,	<i>No. Beverly, "</i>		

Advice to Farmers.

You often experience great annoyance and loss, by delay in getting a Mower when ordered late in the season. By ordering *early* you are sure of having one ready for use *when wanted*. "A word to the wise is sufficient." Because the deacon's old chaise, or the "olden time" wagon, resting on the axletrees, were strong and serviceable, that is no reason why the light and elegant styles of the present day are not more desirable. So, the KNIFFEN MOWER has exploded the idea that we cannot, at this late day, *throw aside all the old models* and construct Machines upon the *true principle of mechanical simplicity and perfection*, and therefore more desirable and better adapted to the wants of the Farmer.

