

ENGLISH EDITION.

DIARY & PAMPHLET.
Presented with the Compliments of the

ESTERLY HARVESTING MACHINE CO.



FACTORY & GENERAL OFFICE AT
WHITEWATER, WIS.

GEO. ESTERLY, Pres't.
G. B. AVERILL, Superintendent.
G. W. ESTERLY, Secy & Treas.
E. P. BURROWS, Asst. Secy & Treas.

FOR SALE BY
THE S. L. SHELDON CO.

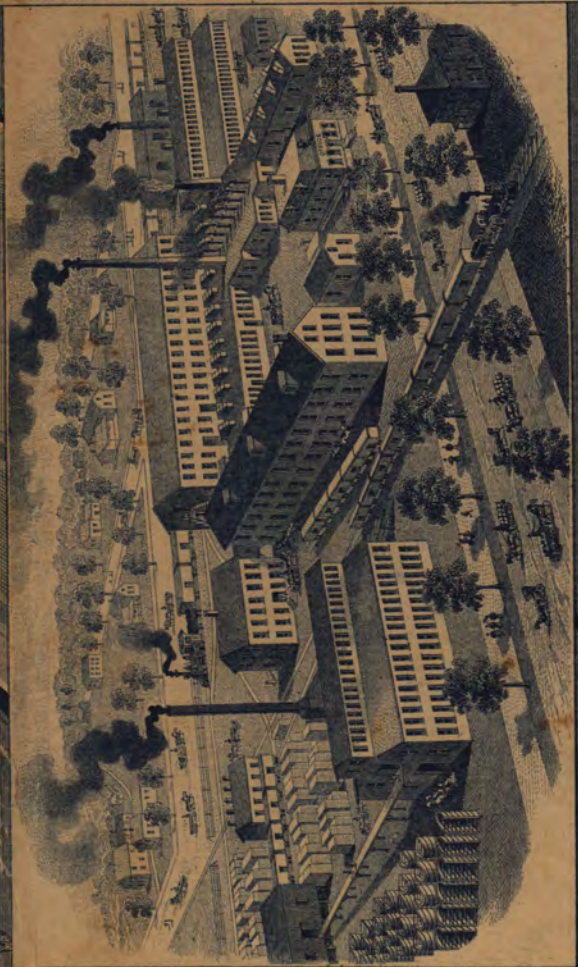
DISTRIBUTING DEPOTS
104 CHAMBER ST
NEW YORK.

ROCHESTER, N.Y.
LEWISTON, MAINE.
COLUMBUS, OHIO.
JACKSON, MICH.
E. ST. LOUIS, ILL.
CHICAGO, ILL.
KANSAS CITY, MO.
DES MOINES, IOWA.
DEER LODGE, MONT.

PHILADELPHIA, PA.
JACKSONVILLE, ILL.
TOLEDO, OHIO.
INDIANAPOLIS, IND.
PEORIA, ILL.
MADISON, WIS.
OMAHA, NEB.
MINNEAPOLIS, MINN.
OSHKOSH, WIS.



THE ESTERLY MOWER.



VIEW OF THE ESTERLY HARVESTING MACHINE CO'S WORKS.

✦ Esterly Harvesting Machine Co. ✦

ESTERLY HARVESTING MACHINE CO.,

WHITEWATER, WIS.

CALENDAR—1888.

JANUARY.							MAY.							SEPTEMBER.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	...	1	2	3	4	5	...	...	...	...	...	...	...	1
8	9	10	11	12	13	14	6	7	8	9	10	11	12	2	3	4	5	6	7	8
15	16	17	18	19	20	21	13	14	15	16	17	18	19	9	10	11	12	13	14	15
22	23	24	25	26	27	28	20	21	22	23	24	25	26	16	17	18	19	20	21	22
29	30	31	...	...	...	...	27	28	29	30	31	...	...	23	24	25	26	27	28	29
...	...	...	...	...	...	...	...	...	...	...	...	...	...	30	...	...	...	...	...	...
FEBRUARY.							JUNE.							OCTOBER.						
...	...	...	1	2	3	4	...	...	...	...	1	2	...	...	1	2	3	4	5	6
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27
26	27	28	29	...	...	...	24	25	26	27	28	29	30	28	29	30	31	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
MARCH.							JULY.							NOVEMBER.						
...	...	...	...	1	2	3	1	2	3	4	5	6	7	...	...	...	1	2	3	...
4	5	6	7	8	9	10	8	9	10	11	12	13	14	4	5	6	7	8	9	10
11	12	13	14	15	16	17	15	16	17	18	19	20	21	11	12	13	14	15	16	17
18	19	20	21	22	23	24	22	23	24	25	26	27	28	18	19	20	21	22	23	24
25	26	27	28	29	30	31	29	30	31	...	...	...	...	25	26	27	28	29	30	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
APRIL.							AUGUST.							DECEMBER.						
1	2	3	4	5	6	7	...	...	...	1	2	3	4	...	...	...	...	...	...	1
8	9	10	11	12	13	14	5	6	7	8	9	10	11	2	3	4	5	6	7	8
15	16	17	18	19	20	21	12	13	14	15	16	17	18	9	10	11	12	13	14	15
22	23	24	25	26	27	28	19	20	21	22	23	24	25	16	17	18	19	20	21	22
29	30	...	...	...	...	...	26	27	28	29	30	31	...	23	24	25	26	27	28	29
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

CALENDAR—1889.

JANUARY.							MARCH.							MAY.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
...	...	...	1	2	3	4	...	...	...	...	...	1	2	...	...	...	...	...	...	...
6	7	8	9	10	11	12	3	4	5	6	7	8	9	5	6	7	8	9	10	11
13	14	15	16	17	18	19	10	11	12	13	14	15	16	12	13	14	15	16	17	18
20	21	22	23	24	25	26	17	18	19	20	21	22	23	19	20	21	22	23	24	25
27	28	29	30	31	...	...	24	25	26	27	28	29	30	26	27	28	29	30	31	...
...	...	...	...	...	...	...	31	...	...	...	...	...	...	...	...	...	...	...	...	...
FEBRUARY.							APRIL.							JUNE.						
...	...	...	...	...	1	2	...	...	...	1	2	3	4	...	...	...	...	...	...	1
3	4	5	6	7	8	9	7	8	9	10	11	12	13	2	3	4	5	6	7	8
10	11	12	13	14	15	16	14	15	16	17	18	19	20	9	10	11	12	13	14	15
17	18	19	20	21	22	23	21	22	23	24	25	26	27	16	17	18	19	20	21	22
24	25	26	27	28	...	...	28	29	30	...	...	...	...	23	24	25	26	27	28	29
...	...	...	...	...	...	...	...	...	...	...	...	...	...	30	...	...	...	...	...	...

WOOD VS. STEEL.

IT is not an easy matter to explain why all the different alterations and changes that are noticed in harvesting machines, as furnished by different manufacturers from year to year, are made, but alterations and changes, especially in details, are made by all manufacturers; but changes involving an entire machine are rare and usually of slow growth, and born from a necessity.

Of course, the experience of skilled operators in the field demonstrates the necessity of adapting the several parts of any machine to the work it is expected to perform, and he who succeeds in so arranging the mechanical devices as to perform the work completely, and do it with the least expenditure of power and the least liability to a derangement of its parts, and at the same time retains the requisite strength to sustain the severe tests to which it is frequently put when in the hands of unskilled and careless operators, is fortunate indeed.

In Binders, as well as in every other class of farming machines, there is in general appearance a striking similarity in those of different manufacturers, so that to a person unskilled in mechanics it would be difficult to tell wherein they differ, except through a very thorough and careful examination.

This peculiarity (if such it may be called) shows very clearly that there are certain **underlying principles** in the construction of farming machines that are recognized by all manufacturers as being not only important, but **absolutely**

Esterly Harvesting Machine Co.

necessary and inseparable from the success of the machine under consideration.

Thus, in a Binder, there must be the **main drive-wheel** which, as an operating part of the machine, sustains and moves all the other working parts of the mechanism.

There must also be the **main frame**, which not only holds the drive-wheel in place, but also the main gear, and is, in reality, the superstructure on which the most important parts of the machine rest, and on the **strength and stability** of which the efficiency of the entire machine depends.

There must also be a **cutting apparatus**, consisting of a cutter or **finger-bar**, guards, and sickle or knife.

On the strength of the finger-bar, keeping the guards in "line" and with a sharp-cutting edge, and the motion of the sickle, depends the ability of the machine to leave a "clean-cut" field.

There must also be a **reel**—on the ease and readiness with which it can be raised and lowered, and moved forward and backward, depends the ability of the Binder to cut successfully tall and short, and lodged and tangled grain.

In fact, in the **PROPER MANIPULATION OF THE REEL** lies one of the most important factors in the success of a binder.

There must also be a suitable elevator to **convey the cut grain** in all its variable conditions to the binding mechanism.

It must not only convey short, thin "grassy" grain, but must also take care of tall, heavy, twisted, tangled grain, that frequently reaches it in thick, heavy bunches.

In short, it must handle any kind or condition of grain that is grown anywhere, that has usually been cut with a reaper or a cradle.

Esterly Harvesting Machine Co.

The **Binding Attachment** or the Binder proper must be able to bind in bundles of uniform size, suitable for convenient handling, the grain that is conveyed to it, and deposit them, "**one by one**," ready to be put in the shock; it must have as few complicated working parts as is possible, consistent with the labor it is called on to perform; it must be so simple in its construction that a farmer who has had little or no experience in mechanics can readily understand and easily adjust it to the varied kinds of work it is called upon to do. He must have confidence that it will run right along, "through thick and thin," and answer every reasonable demand without any unusual delay or annoyance.

As a whole, the machine must, if it answers the reasonable expectations of the purchaser, be made of good material, not liable to breakage, run easily for a fair-sized team and, under reasonably fair conditions, must be capable of **HANDLING successfully ANY GRAIN THAT GROWS**, and any binder that will not do this, is not **WHAT ANY FARMER WANTS**.

The Esterly Binder has, from its first introduction, taken rank among the best made, and by having carefully watched its operations in the field, we have been able to adapt its several parts to the work to be performed, so that for years it has stood **without a peer** in the great family of Binders, in its adaptability to all the varied kinds and conditions of grain it has been called upon to handle.

In the changes that have been made from year to year, we have not lost sight of a growing feeling among agents and farmers that a departure from the old style of "wood and iron" machines to something that would be lighter in appear-

Esterly Harvesting Machine Co.

ance and more durable, was, at least, desirable. **TO MEET THIS DEMAND**, explains in part why we devised and, during the season of 1886, put out several **all-steel** machines, the success of which was so **COMPLETE AND TRIUMPH-ANT** that we decided to manufacture them in quantity for the trade of 1887.

In doing this, we have not forgotten or even lost sight of the great success that has followed the Esterly during these many years, and as a matter of ordinary business prudence, retained the general features in our new steel binder that made the **STANDARD ESTERLY SO POP-ULAR**.

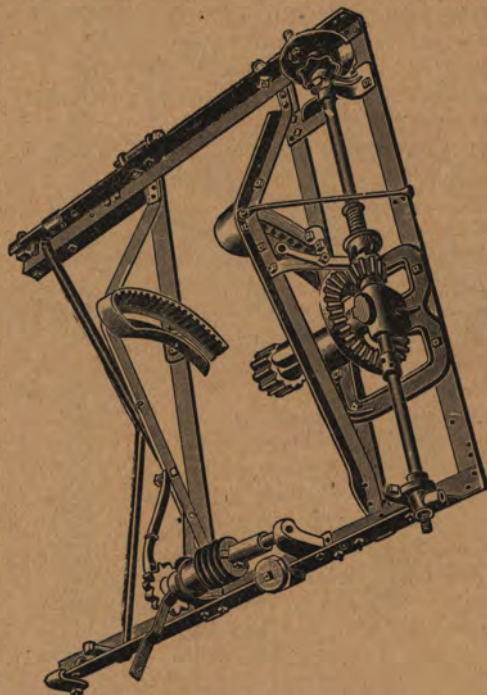
And now, after having placed several thousands of them in the hands of the farmers in nearly every grain-growing State and Territory in the Union during the past season, where they have been most thoroughly tested and tried in all kinds and conditions of grain, we feel like congratulating ourselves on the wonderful success with which they have withstood the ordeal.

Inasmuch as many of the prospective future purchasers may not have seen our Binder and compared it with those of other manufacturers, we herein give a somewhat detailed description, which we hope will be carefully read and considered.

In making comparisons and tests of the different forms in which steel is manufactured, we decided so far as possible to adopt the "T" and angle steel. Inasmuch as there is greater strength for the same weight in the "T" steel than in any other form, we have adopted it as the ground-work of our main frame, and as put up by us we believe it to be impossible to break it down, though loaded with tons of weight.

Esterly Harvesting Machine Co.

Do not fail to examine critically the accompanying cut, and notice the way in which the frame is put together and braced and the method of attaching the gear.



We have found from experience that the only way in which the frame of harvesting machines can safely be made of wrought metal, is by having it so thoroughly braced as to **PREVENT THE POSSIBILITY OF THE "WORKING" OF ANY OF THE MAIN JOINTS** where the same are connected, so that, where the different

Esterly Harvesting Machine Co.

pieces composing the main frame are joined, they are thoroughly riveted with **SOLID HEAD RIVETS**, and the whole so **THOROUGHLY BRACED** as to make it practically **IM-POSSIBLE TO GET IT "OUT OF TRUE,"** thereby overcoming the difficulty and annoyance that others have experienced where this thorough system of bracing has not been adopted.

IT IS ALL MADE TO LAST.

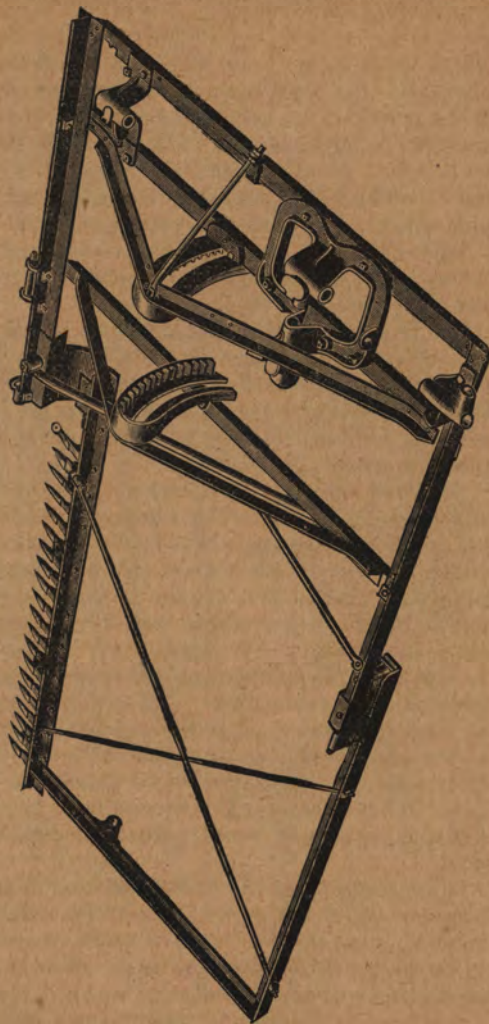
OUR CUTTING APPARATUS, consisting of the angle steel cutter-bar, with malleable guards which are lined with steel, is of the most approved pattern; indeed, the cutting capacity of the Esterly Binder is equal to many of the so-called best mowers, the guards and platform being so arranged that we can fairly **SHAVE THE GROUND**, or by the use of our raising device can be made to cut stubble as high as is desired in very tall grain. We have a wide latitude as to cutting high or low.

Our method of attaching guards to cutter-bar, in combination with our method of running the platform-canvas close to the sickle, allows us to **CUT VERY SHORT GRAIN**, and leave it in very much better shape than can be done by any Binder where the platform-canvas runs from one to three inches from the knife, as is the case with many. This is a feature which has made the Esterly a very great favorite.

On next page we show a cut of the main wheel frame with the angle steel platform frame, including cutter-bar, attached.

Do not fail to notice the manner in which both are riveted and braced, rendering it impossible to get "out of true."

One of the most important features in connection with harvesting machinery is its **REEL**.



Esterly Harvesting Machine Co.

While we have for years furnished a reel that has had a very wide latitude as to its up and down movement, as well as forward and backward, we have made an **ENTIRELY NEW DEPARTURE**, which cannot but commend it to the favorable consideration of every observing man who has ever used a harvesting machine.

This consists in a "slotted" quadrant, which forms a part of the shoulder to which the reel lever is pivoted.

The lever is securely held by a bolt through this slot in any desired position, so that, in cutting a field of very short or of very tall grain, there is no necessity for the driver to change his place on the seat in order to place the reel in proper position.

The reel is what is known as a Solid Head reel—which is held on the shaft by a gas-pipe coupling—and can be attached or detached in a moment.

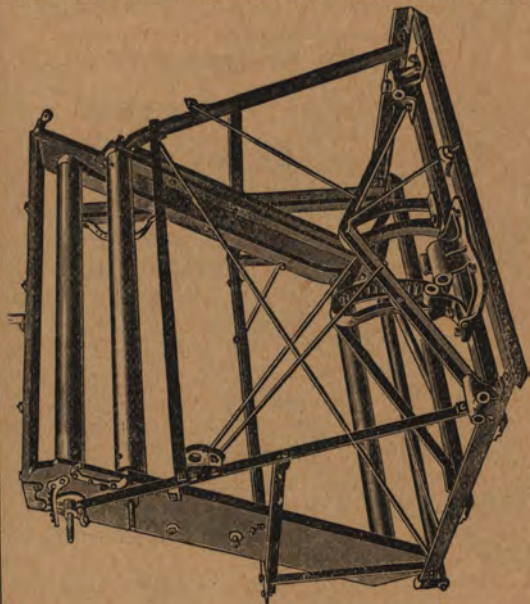
The Elevator of the Esterly has been recognized for years as the *ne plus ultra*, no other Binder having been produced that has the same elevating capacity. We have retained in our new style of machine the same elevator that has been used for many years. While elevators of all harvesting machines have the same general appearance, there may be a wide difference in their ability to handle the varied conditions of grain that are found in the harvest fields of the different sections of country where Binders are used.

One peculiarity of the Esterly elevator is the arrangement of the upper canvas frame so as to form a spring, so that when a bunch of grain is forced into it, it yields, so as to allow it to pass without difficulty; but what is of still more importance is the peculiar construction of the

Esterly Harvesting Machine Co.

canvas ribs or guides. These are so shaped that if a bunch of grain is forced into the elevator, the canvases are **TIGHTENED AUTOMATICALLY**, which, of course, enables it to carry its added load without difficulty.

The **BOLT AND THUMB NUT** and



slot in the side of the "A" frame allow the operator to raise and lower the lower roller of upper elevator to suit the requirements of the grain. In heavy grain, especially if "dead ripe" and tangled, it wants raising, and in light grain letting down.

We also invite attention (see cut) to the

Esterly Harvesting Machine Co.

thorough manner in which the "A" frame is attached to the wheel-frame. Notice the double truss braces—rendering it practically impossible to get it "out of true."

We especially invite the attention of farmers who live in sections where "**LARGE STRAW**" is grown, to this very important feature.

EASE OF DRAFT.

The Esterly has always been recognized as of remarkably easy draft.

One of the reasons for this has been owing to the fact of the practical impossibility of the "binding" of the main driving shaft in its boxes or bearings. This result is accomplished by coupling the shaft in a manner similar to the coupling of the "tumbling rods" of a thrashing machine, which, in combination with our adjustable box, prevents any "cramping" of the shaft.

It should be remembered that this is one of the special features of the Esterly, and is made under our own patents, and cannot be used by other manufacturers except as the result of piracy.

The extra long bearing allows us to use "free shafts," which also conduces to easy draft.

Another important feature is our method of attaching the main gear.

First, our Drive Wheel is made with the same degree of care as the wheels of our best wagons, with spokes driven solidly in place, and heavy tire welded and shrunk on. After the wheel is completed except painting, the spokes, where the main gear is attached, are faced down in a lathe, consequently the gear is at an exact right angle with the axle, and runs perfectly true.

Esterly Harvesting Machine Co.

WEIGHT ON HORSES' NECKS.

Much is claimed and written and much said in relation to the relative weight of Binders on the horses' necks. Those who manufacture or sell Binders in which the gearing is in the rear of the machine, claim they do not develop as much weight on horses' necks as one where the gearing is in front. The exact fact is that, where the axles, which are the pivotal points, are properly located, there is not an ounce of difference in favor of one Binder over another by reason of the location of the gearing of the binder attachment, except to the extent of the difference in the weight of the Binder attachments.

There is no one who has ever driven a Reaper or Binder but knows that where the seat of the machine is located, so that when on level ground, —the platform level—and it is poised on its axles, to "tilt" it either forward or backward will throw "weight on horses' necks" or lift the tongue, as the case may be.

It is known to everybody that this tendency to "throw weight on horses' necks" is more apparent when going down hill. Any machine of any kind or nature that is "in balance" on two wheels like a cart, will "throw weight" forward when going down hill and backward when going up hill.

Thus, when the binder attachment is in its normal position for cutting medium or tall grain, and is then in "balance," if the binder attachment is moved forward for cutting short grain, the "weight is thrown on the horses' necks," always and every time.

The Esterly is the only Binder made that has any practical pro-

Esterly Harvesting Machine Co.

vision to prevent this; or more definitely, the Esterly is the only Binder made wherein the operator can **instantaneously** move backward or forward to compensate for the backward or forward movement of the binder attachment for short or tall grain, or in which the machine can be **instantaneously** balanced when going up or down hill.

Our **Sliding Seat** is so arranged that with but little effort on the part of the operator he can change his position forward or backward, as desired, thus making the Esterly the most **completely balanced Binder** in existence.

In the binder attachment we have preserved all of its distinctive features that have made it "**The King of the Field**" for these many years. After having examined and tested different devices by the score, we have not found or seen even one that has proved so thoroughly and completely reliable. Always ready, never failing in the demands that have been made upon it, we could not change **the reliable** for an untried experiment, however meritorious it might appear at first sight.

Our **Cam and Roller** movement for operating the cord-holding device has never been equaled.

Our **Three Discharge Arms** prevent the dragging of bundles, and are the envy of every farmer who has a Binder that has them not.

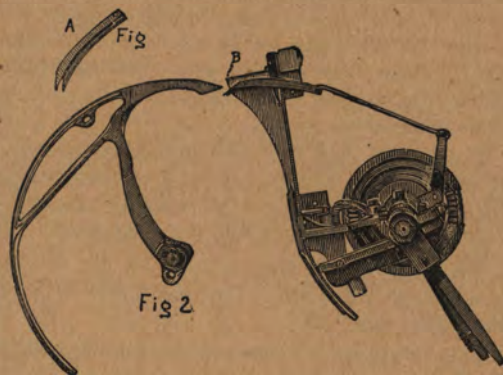
Our **Tripping Device** never "goes off" prematurely, making little bundles, or clogs up with a "bunch" of heavy grain.

Our **Knot-Tyer** does not allow the cord to "slip off" before the knot is tied.

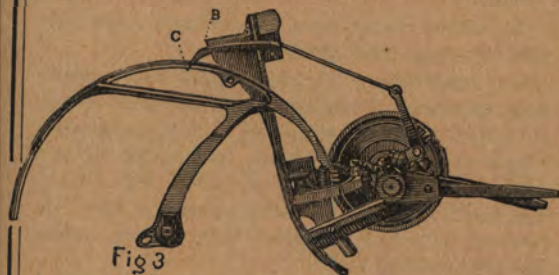
Our **Receding Deck** releases the bundle the instant the knot is tied, requiring no extra power to discharge the bundle.

Esterly Harvesting Machine Co.

Our **Needle Stripper** is a very taking feature, and is used on the **Esterly Binder only**. As is well known to those who have had experience in using Binders, there are certain conditions of



green and wet grain in which the straw is inclined to wedge between the upper part of the needle and the overdeck, which results in carrying the straw forward into the slot in the breast-



plate, or between the flanges, and "**clog the Binder.**" By the employment of our Needle Stripper no straw can be carried into the slot in breast-plate. This Stripper rests in the upper

Esterly Harvesting Machine Co.

part of and between the flanges of the breast-plate, and is so arranged that it "straddles" the needle just as it enters the breast-plate, and is then pushed back in the opposite direction from which the needle is moving, by the operation of a lever that is worked by the main cam on Binder shaft. When the needle is on its backward-stroke, the Stripper is drawn back to its resting place in the breast-plate.

The cuts on Page 13 show the relative position of the needle to breast-plate and "Needle Stripper"—one side of breast-plate being broken away—when the needle is in two different positions.

The upper one shows it just as the needle is about to enter the breast-plate and fork of the "Stripper" at B.

The "Stripper" is shown at A, detached from the Binder in above cut.

The lower one shows the "Stripper" when thrust backward to its farthest point, as shown at C, and the needle nearly to the end of its stroke.

As can be readily seen, the needle will be kept entirely clean from straw.

Our Reel Chain Tighteners are very simple and effective. Their operation—see cut—is as follows: The reel standard, which carries the upper sprocket wheel shaft, is pivoted at the lower end to an eccentric shaft. By simply turning this shaft the reel standard is raised or lowered as is desired, either to tighten or loosen the lower chain.

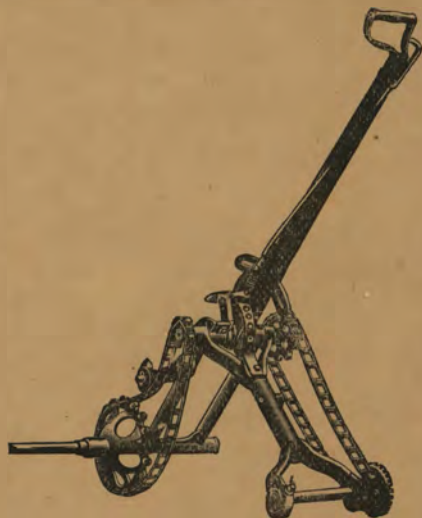
The chain that operates directly on reel shaft is tightened by means of a swinging arm with roller, and has sufficient latitude to take up any amount of "slack" in the chain.

JANUARY.

S	1	Mack Murphy
M	2	
T	3	at Hay Corn
W	4	July 8
T	5	1/12 8 1/2
F	6	187
S	7	
S	8	
M	9	5.92
T	10	
W	11	
T	12	
F	13	
S	14	
S	15	
M	16	
T	17	
W	18	
T	19	
F	20	
S	21	
S	22	
M	23	
T	24	
W	25	
T	26	
F	27	
S	28	
S	29	
M	30	
T	31	

Esterly Harvesting Machine Co.

This cut also shows the slotted quadrant on which the reel lever is moved.



THE ESTERLY BUNDLE CARRIER.

The cut on Page 18 represents our Canvas Bundle Carrier in position for work. The bundles are delivered from the Binder upon the canvas platform until a sufficient number is obtained, when, by a slight pressure of the driver's foot upon the treadle, the clutch attached to the shaft, which connects the rear canvas roller to the carrier, is thrown into gear and the load is discharged.

As will be readily seen, the Esterly Bundle Carr'er will not only carry a large load—larger,

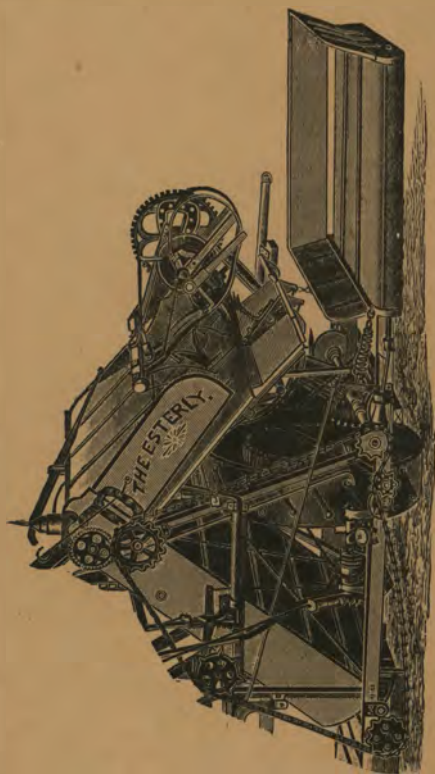
FEBRUARY.

W	1	
T	2	
F	3	
S	4	
S	5	
M	6	
T	7	
W	8	
T	9	
F	10	
S	11	
S	12	
M	13	
T	14	
W	15	
T	16	
F	17	
S	18	
S	19	
M	20	
T	21	
W	22	
T	23	
F	24	
S	25	
S	26	
M	27	
T	28	
W	29	

Esterly Harvesting Machine Co.

we believe, than any other Bundle Carrier made—but it discharges its load **without dragging or scattering its bundles.**

It is not necessary to coax it to perform its work.



Whether going up or down hill the load is discharged as readily as upon level ground, which is not the case with any other.

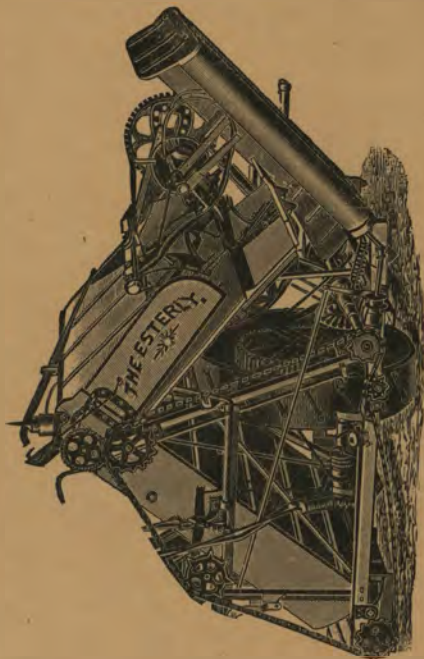
MARCH.

T	1	
F	2	
S	3	
S	4	
M	5	
T	6	
W	7	
T	8	
F	9	
S	10	
S	11	
M	12	
T	13	
W	14	
T	15	
F	16	
S	17	
S	18	
M	19	
T	20	
W	21	
T	22	
F	23	
S	24	
S	25	
M	26	
T	27	
W	28	
T	29	
F	30	
S	31	

Esterly Harvesting Machine Co.

The cut on this page represents the manner in which the carrier can be raised in passing obstructions on uneven ground, or getting at the binding mechanism.

A lengthy description of our carrier seems



unnecessary, as the cuts tell their own story and can be seen at a glance.

They have been thoroughly tested, and we know them to be all we claim for them, viz., to be the best made.

We use a friction clutch to throw the Bundle Carrier into gear, which is practically indestructible, in place of a ratchet clutch, as heretofore.

APRIL.

S	1	
M	2	
T	3	
W	4	
T	5	
F	6	
S	7	
S	8	
M	9	
T	10	
W	11	
T	12	
F	13	
S	14	
S	15	
M	16	
T	17	
W	18	
T	19	
F	20	
S	21	
S	22	
M	23	
T	24	
W	25	
T	26	
F	27	
S	28	
S	29	
M	30	

Esterly Harvesting Machine Co.

While these Bundle Carriers are used principally on the large farms of the Northwest, there is a growing demand for them on some of the smaller farms of the older States. We can furnish them for any of our Binders manufactured in 1883, 1884, 1885 or 1886, but in ordering always state whether for "Standard," "Light" or "Steel" Binder.

OUR FOLDING PLATFORM.

It has always been our aim, and we have for years promised our customers to furnish them the best Binder in the market.

How well we have kept this promise we leave for the thousands of purchasers who have used our machines, and who have had an opportunity to compare their performance with those of other makers, to be the judges.

We have not always "taken up" every "new fangled" notion that has been presented to us, and incorporated them into our machine, but have always carefully considered possible improvements.

We have always thought to let "well enough" alone, unless we could see good grounds for change to something better, and then to thoroughly test and demonstrate its utility under our own supervision and at our own expense before attempting to adopt it, leaving the farmer to do the experimenting.

In this connection we refer with pride to our new **FOLDING PLATFORM.** As there has been much speculation as to its strength and stability, will say we first placed it on something over two hundred (200) of our machines for the harvest of 1886, which proved such a



MAY.

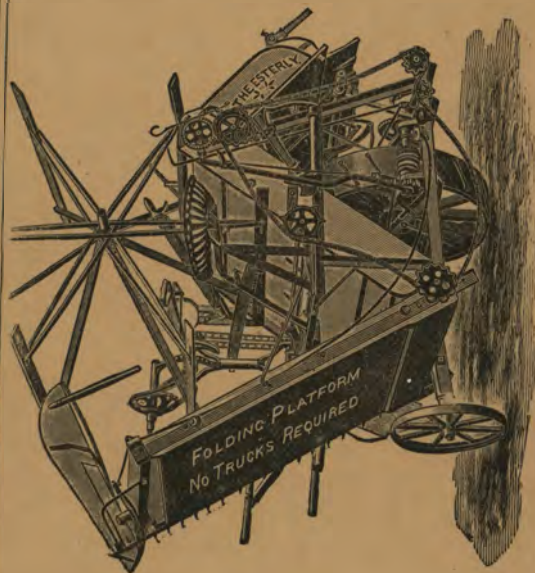
T	1	
W	2	
T	3	
F	4	
S	5	
S	6	
M	7	
T	8	
W	9	
T	10	
F	11	
S	12	
S	13	
M	14	
T	15	
W	16	
T	17	
F	18	
S	19	
S	20	
M	21	
T	22	
W	23	
T	24	
F	25	
S	26	
S	27	
M	28	
T	29	
W	30	
T	31	

Esterly Harvesting Machine Co.

decided success that we adopted it as a special feature in our entire output for 1887.

It has proved one of the most "taking" and desirable features ever adopted.

It does away with the necessity for additional



trucks for moving the Binders from place to place, through gates or over narrow bridges and roadways, etc., etc.

Many farmers claim that it is a very desirable feature for getting the machine in a small compass for winter storage.

Please bear in mind that this feature is peculiar to the Esterly.

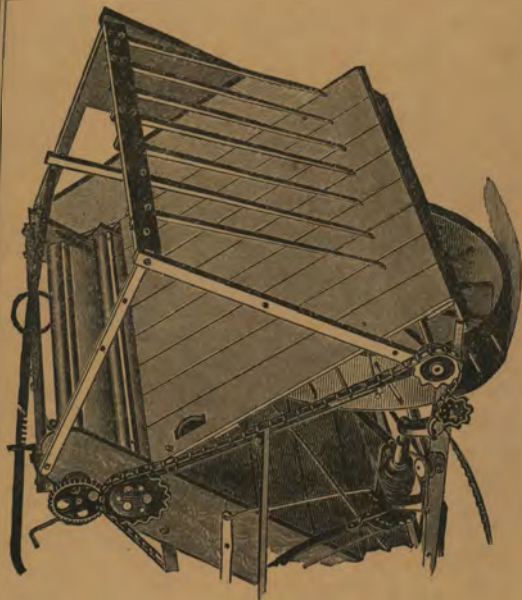
JUNE.

F	1	
S	2	
S	3	
M	4	
T	5	
W	6	
T	7	
F	8	
S	9	
S	10	
M	11	
T	12	
W	13	
T	14	
F	15	
S	16	
S	17	
M	18	
T	19	
W	20	
T	21	
F	22	
S	23	
S	24	
M	25	
T	26	
W	27	
T	28	
F	29	
S	30	

Esterly Harvesting Machine Co.

THE ESTERLY FLAX AND CLOVER ATTACHMENT

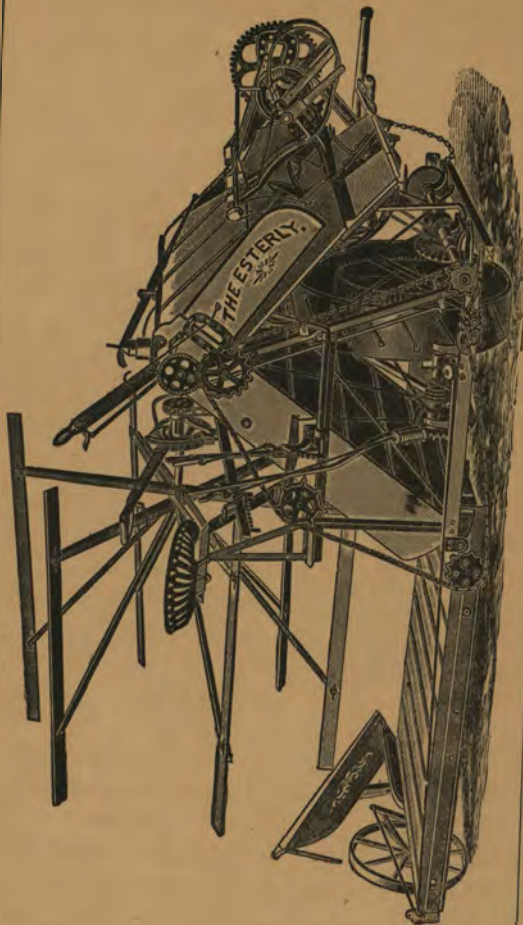
is shown by the accompanying cut, and requires no detailed description.



It is light, strong, and effective, and is so arranged that the driver can discharge the gavels at will as desired. This will be appreciated by those who are acquainted with the **SUPERIOR QUALITIES** of the Esterly Harvester as a **FLAX AND CLOVER CUTTER**, no less than by those who have witnessed its superior qualities in handling **KENTUCKY BLUE GRASS**.

JULY.

S	1	.....
M	2	.....
T	3	.....
W	4	.....
T	5	.....
F	6	.....
S	7	.....
S	8	.....
M	9	.....
T	10	.....
W	11	.....
T	12	.....
F	13	.....
S	14	.....
S	15	.....
M	16	.....
T	17	.....
W	18	.....
T	19	.....
F	20	.....
S	21	.....
S	22	.....
M	23	.....
T	24	.....
W	25	.....
T	26	.....
F	27	.....
S	28	.....
S	29	.....
M	30	.....
T	31	.....



AUGUST.



W	1	
T	2	
F	3	
S	4	
S	5	
M	6	
T	7	
W	8	
T	9	
F	10	
S	11	
S	12	
M	13	
T	14	
W	15	
T	16	
F	17	
S	18	
S	19	
M	20	
T	21	
W	22	
T	23	
F	24	
S	25	
S	26	
M	27	
T	28	
W	29	
T	30	
F	31	

Esterly Harvesting Machine Co

In ordering, please state whether for "Standard," "Light," or "Steel" frame machines.

On Page 28 we give an illustration of the Harvester and Binder complete, ready for the field, divested of all attachments described in the foregoing pages. We invite all intending purchasers to examine same carefully, and not only note its many points of superior strength and utility, but note its fine proportions and symmetrical outlines.

After having done this we invite a comparison with any and all the other styles of Binders offered, and ask you to compare them "point" by "point," when we feel sure there will be no hesitation in your choice of Binders, and will secure for yourself the **"BEST BINDER ON WHEELS," "THE ESTERLY."**



THE ESTERLY ENCLOSED GEAR MOWER.

While the Esterly differs from all others in many important features, it, at the same time, possesses all the essential features that have been recognized as **INDISPENSABLE** in all first-class mowers for years.

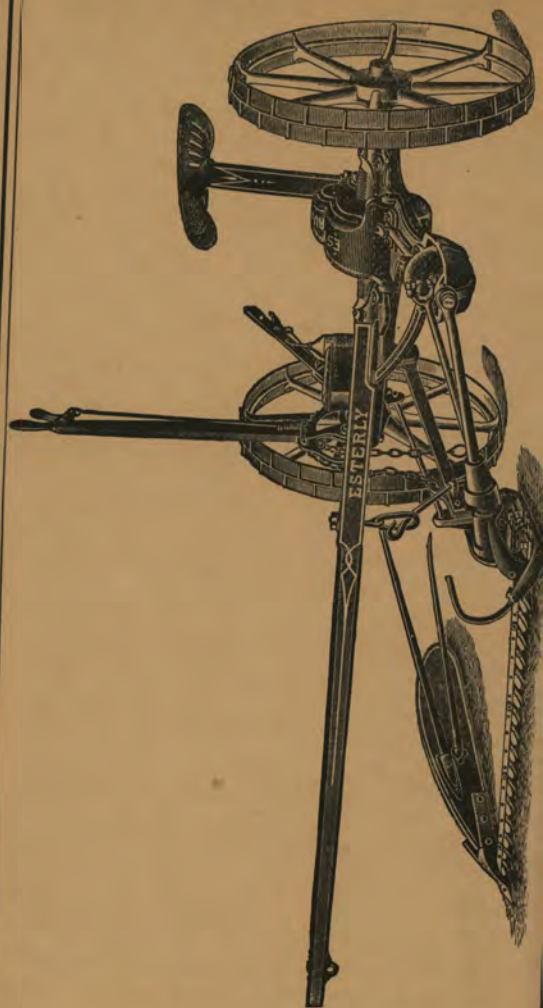
It has large wheels, which are interchangeable and have a wide tread (nearly four feet), which insures a steady motion, and relieves all tendency to "side-draft," even in the wide-cut bars.



SEPTEMBER.



S	1	
S	2	
M	3	
T	4	
W	5	
T	6	
F	7	
S	8	
S	9	
M	10	
T	11	
W	12	
T	13	
F	14	
S	15	
S	16	
M	17	
T	18	
W	19	
T	20	
F	21	
S	22	
S	23	
M	24	
T	25	
W	26	
T	27	
F	28	
S	29	
S	30	



OCTOBER.



M	1	
T	2	
W	3	
T	4	
F	5	
S	6	
S	7	
M	8	
T	9	
W	10	
T	11	
F	12	
S	13	
S	14	
M	15	
T	16	
W	17	
T	18	
F	19	
S	20	
S	21	
M	22	
T	23	
W	24	
T	25	
F	26	
S	27	
S	28	
M	29	
T	30	
W	31	

CONSTRUCTION.

We have dispensed with all delicate and complicated parts, which so often get out of repair and soon become loose and "shackling" and cause annoyance and delay in the field.

THE BEARINGS are all long (longer than on any other mower made), which allows the use of "free shafts," and at the same time prevents any liability of their becoming worn and loose.

THE MAIN FRAME. The ground-work of the machine is in one piece, thus holding the gearing and all the working parts solidly in place and always "in line."

THE PAWL HOLDERS are on outer end of axle and are fastened with steel pins, which do not weaken the axle, as is the case when placed between the wheels and main frame.

THE "BOXES" and bearings of the gearing are of sufficient length to prevent any liability to "twist over out of line."

THE AXLE has longer bearings than any other mower in existence.

THE PITMAN is connected to crank head with "ball and socket" box.

THE PITMAN BOX is made of brass, and supplied with a large oil cup.

THE PITMAN-CRANK SHAFT BOX is longer than in any other mower made.

By the use of these long bearings we claim steadier motion, easier draft and greater durability than by employment of any combination of "brass," "babbitt," "composition," "gun-metal," etc., etc., that can be used, where short bearings or boxes are employed, as experience has fully demonstrated.

T	1	
F	2	
S	3	
S	4	
M	5	
T	6	
W	7	
T	8	
F	9	
S	10	
S	11	
M	12	
T	13	
W	14	
T	15	
F	16	
S	17	
S	18	
M	19	
T	20	
W	21	
T	22	
F	23	
S	24	
S	25	
M	26	
T	27	
W	28	
T	29	
F	30	

Esterly Harvesting Machine Co.

THE TILTING DEVICE works very easily, and has a wide range, and enables the machine to run successfully on any ground, however rough.

THE DRAFT ROD is attached near the inside shoe, and the act of cutting has a tendency to "lift" on the cutter-bar, so that the weight of the shoe and cutter-bar is so nearly balanced by this "lift," that it gives us more nearly a "floating bar" than any other mower known.

THE GEAR SHIFTER can be easily operated by the driver's foot.

THE CONNECTING BAR is in front of the pitman, which completely protects it from rocks or other obstructions, and also from the cut grass.

THE CUTTER-BAR can be easily raised when at work by any boy who can drive a team.

THE INSIDE SHOE is attached to the connecting bar at its front end, so that the cutting apparatus is practically drawn over the ground instead of being pushed, as is the case with other front-cut mowers.

When "out of gear," none of the gear wheels are in working contact with each other.

THE CUTTING APPARATUS is of the most approved pattern, and cannot be excelled.

THE TRACK CLEARER is arranged to be held in any desired position.

In short, our mower is first-class in every respect, compact, strong, simple, easy draft and durable—just what every farmer needs.

Yours truly,

ESTERLY HARVESTING MACHINE CO.

DECEMBER.

S	1	
S	2	
M	3	
T	4	
W	5	
T	6	
F	7	
S	8	
S	9	
M	10	
T	11	
W	12	
T	13	
F	14	
S	15	
S	16	
M	17	
T	18	
W	19	
T	20	
F	21	
S	22	
S	23	
M	24	
T	25	
W	26	
T	27	
F	28	
S	29	
S	30	
M	31	

MEMORANDUM.

MEMORANDUM.

MEMORANDUM.

Esterly Harvesting Machine Co.