

THE

LONG & ALLSTATTER CO.'S

PIN CLEANER

RAKE.



HAMILTON, OHIO.

DISTRIBUTING PLACES:

INDIANAPOLIS, IND.	ST. LOUIS, MO.
TERRE HAUTE, IND.	KANSAS CITY, MO.
LOUISVILLE, KY.	DES MOINES, IOWA.
MINNEAPOLIS, MINN.	DALLAS, TEXAS.
OMAHA, NEB.	DECATUR, ILL.
	PEORIA, ILL.

FARMER'S

MEMORANDA,

WITH COMPLIMENTS OF

THE

LONG & ALLSTATTER

COMPANY.

HAMILTON, OHIO.

FOR SALE BY

W. A. C. N.

in South

Ch

—HAMILTON DAILY NEWS FOR BOSTON, 1887

THE HAMILTON ADJUSTABLE-ARCH

COMBINED RIDING CULTIVATOR.



Retains all the adjustments found so advantageous in the Walking Cultivator. The Arch is adjustable for width between the beams, the Standard Castings, on the No. 2, for width between the shovels on each gang.

The section of the shovels can be changed as desired, and the shovels set on the standard to throw the soil to or from the row.

The seat is adjustable, so that the largest man or the smallest boy may drive; the levers for regulating the depth and raising the beams out of the ground are in convenient reach; both the wheels and arch are high, so that no difficulty is experienced in "laying by." The hitch is direct to the end of the beam, as in the walking cultivator. The whole make of the implement is such that a ten-year-old boy can thoroughly manage it.

The Shovels, Bull Tongues, Bar-Shares and Coulters are easily attached and removed and thus every requirement or condition of the soil be met in the most satisfactory manner.

THE LONG & ALLSTATTER CO.,

HAMILTON, OHIO.

THE HAMILTON

ADJUSTABLE-ARCH

BAR-SHARE ÷ TONGUE ÷ CULTIVATOR.



SIDE VIEW.

Showing Bar-Shares, Coulters and Ball-Tongues Attached.



REAR VIEW.

Showing Adjustable-Arch and the Adjustable Standard Castings, used on the No. 2, Improved.

The BAR-SHARES can be reversed to "lay the corn by."

DESCRIPTION OF THE

ADJUSTABLE-ARCH, TONGUE, CULTIVATOR

That the "Hamilton" has proven itself to be the leading Cultivator now on the market, goes almost without the saying. With its adjustability and splendid running qualities, the "Hamilton" has grown in favor with our farmers until there is none so highly prized, and not one that does compete with it in the quality of its work.

Its make is such that a boy can handle it as thoroughly as a man, while the adjustable arch and standard castings render any kind of work possible, the necessary changes being made in an instant by the loosening of a set screw.

The adjustability of the Arch enables the operator to change the distance between the beams so that the Coulters, Bar-Shares, Shovels or Ball-Tongues on the front standards will run as close to the row of corn as desired, and the beams be kept in the line of draft, which insures the proper working of these attachments and the best work.

The vibratory movement of the uprights, pivoting on the arch bar, compels each horse to draw his own load, prevents the pole from being carried to the right or left, when one horse gets ahead of the other, and the wheels or beams from getting out of the line of draft.

The Improved Adjustable Standard Castings, used on our No. 2 Cultivator enables the operator to change the distance between the standards or shovels on each "gang" or beam, so that all the soil is plowed when a wide or narrow shovel is used, no ridge of unplowed ground is left between where the shovels run. Besides being adjusted apart they can be changed from front to rear holder, or both be used on the same side, when a Ball Tongue can follow in the furrow of the Bar-Share.

This additional feature of the "Hamilton" needs but a moment's consideration to show its great advantage, and no other Cultivator made can rival it. It is completely adapted to the use of Rolling Coulters and Bar-Shares which enables the farmer to plow earlier, and under circumstances that would render it difficult, if not altogether impossible, to plow without them.

When the ground is encumbered with vines, grass, or imperfectly covered stalks, or a crust has formed upon it that will break or tear up the corn, the Coulters will be found indispensable.

THE LONG & ALLSTATTER CO.,

HAMILTON, OHIO.

THE LONG & ALLSTATTER CO.'S HAY, STRAW AND FODDER CUTTERS.



The Fodder Cutter we have had on the market for over 25 years, and its character for efficiency and utility are well established. They are made in the most substantial manner. None but the best material is used, and the workmanship is unsurpassed for excellence. There are three sizes under: No. 1, 2 and 3, commencing with the largest size. No. 1 and 2 have each four, and No. 3 three knives which are held to a revolving cylinder, are spiral in form, securing thereby a shearing cut. They are accessible for removal or sharpening. The feed is positive, both upper and lower rolls being driven by gearing, the upper roller being flexible to accommodate the quantity desired to cut without attention from the operator. The Knives are heavy, made out of the finest Cast Steel and temper, consequently they retain a perfectly sharp edge, and cut the finest tissue paper, sticks or boards with equal facility. They cut Hay or Corn Fodder very rapidly. The Shafts are of Wrought Iron, and all their parts are strong, and arranged for durability and convenience. Nos. 1 and 2 can be run by hand or power, having a Hand-Wheel attached to the Balance Wheel.

SANDFORD CUTTER.

We also make 3 sizes of the very popular Sandford Cutter: No. 1, 2 and 3, which are unequalled in cutting hay or straw. A constant supply of the above Implements kept on hand always.

THE LONG & ALLSTATTER CO.,

HAMILTON, OHIO



BAR-SHARES AND COULTERS

USED ON HAMILTON CULTIVATOR.

- No. 1 Cultivator has Wood Beams and Iron Standards.
 No. 2 " has Wood Beams and Adj. Iron Stand.
 No. 3 " has Wood Beams and Wood Standards.

They are made in this way for the Combined Riding and Walking Tongue Cultivators. The Tongueless are made No. 1 and No. 3 style. The Bar-Shares are made for both Iron and Wood Standards. The Coulters fit all kinds.

OVAL, FLAT AND TWISTED

SHOVELS AND BULL-TONGUES

USED ON THE HAMILTON CULTIVATOR.



The "Hamilton" is the only true Adjustable-Arch Cultivator. Beware of poor imitations.

Only the best and most desirable are imitated. Why
should the farmer use a poor implement?

It costs more in the end.

Ask your dealer for the "Hamilton" Reap and Cut-
ticator. If he does not have them write us.

1888.

February.

- | | | | | | | | | |
|----|----|--|---|---|----|-----------------|---|---|
| 24 | Fr | I went to school Pa
the top of the
It was nice in
got in a cold
25 | S | I broke corn
Pa went to
Got a letter
Very cold
26 | Su | That same
27 | M | I went to school Pa at home
broke down corn stalks & hauled
hay. Very |
|----|----|--|---|---|----|-----------------|---|---|

Weather occupation
was at home. I drew
trees to the shed.

the morning but it
in afternoon.

stalks in forenoon
post office in afternoon
from Miss Bowers
all day

Very cold.

cold with wind.

You can plow from 6 to 10 days earlier by using the
"Hamilton" Cultivator.

You can gather a bigger load with the
"Hamilton" Rake.

28 T Mamma & I
Pa sturd at
wood. Nice
Mellie went
29 W Pa " " "
at home. Pa
& broke corn
Fanny Knig
Christena
at school.

March

1 T I went school. It rained
and hailed all day

went to town
home & chopped
and warm
to school. ^{Miron Halls} ferr well dance
" " , Pa & Ma
hauled up hay.
stalks in forenoon
hit visited the school.
Nelsons last day
Foggy & cold.

The "Hamilton" Tongueless has a 30-inch wheel, it runs
light and will not fall down when turning.

The Adjustments on the "Hamilton" are all that can
be desired.

2 F I went to school. Nellie to
Pa and Ma at home.

c The ice broke off several trees

3 S Pa went to town. We sold the
old turkey. ^{9¢} Quite cold

I chopped wood, did the chores
and went and found the
pincers. Pa to town.

4 S All at home ^{snowed all day} Quite cold

5 M Nellie and I went to school
Pa hauled hay and
did the chores.

The "Hamilton" is the only Cultivator that provides for changing the distance between the shovels on each gang.

The "Hamilton" leaves no ridge of unplowed ground.

6 P Pa and I
Berondoffs.
-old & Pa staid at Fritz
solls sale
over.

went down to
Then I went sch-
Noyces came
warmer.

7 M Nellie & I went to school. Pa & Ma
to Blair. to get some and oats
ground. Ma at home. The cow ran
away. It snowed all day.

8 F Millie & I went to school. Pa &
Ma at home. It rained.

9 F Nellie & I went to school. Pa
hauled hay. It was in the

morning.

noon it froze
awful cold and icy.

10 S All at home in forenoon. I went
to post office in afternoon.
Got a letter from Aunt Sarah.
Very cold and icy.

11 S All at home. A great deal
of snow.

12 M Nellie & I went to school.
Pa was sick in the morning
" went to town in afternoon
Warm and muddy

The "Hamilton" is the only Cultivator that can successfully use Bar Shares and Coulters as well as shovels. Try It.

Use the "Hamilton" and get the best results.

- 13³ Kellie & I went to school. Pa & Ma at home. Pa hauled up hay. Warm & muddy. Lots of ducks & geese.
- 14^M Pa & Ma at home. " " " " Kellie & I went to school. Warm and muddy.
- 15⁸ Kellie & I went to school. In the morning Pa and I loaded a load of hay. Cloudy and muddy. Pa & Ma at home
- 16^F Kellie & I went to school. In the morning Pa & I got up hay. Warm & muddy.

DESCRIPTION OF THE HAMILTON RAKE.

Always deservedly popular it has been from time to time improved until it stands to-day unrivaled for simplicity and efficiency.

Among the more recent improvements is the *New Vibrating Cleaner*, the arms of which are pivoted to the ends of uprights, and are situated outside of the teeth, so that there is no obstacle to prevent the hay from loading clear up to the head. A third greater load can thus be gathered.

The *Vibrator Arms* are moved upward with the teeth by the motion of the head, until they stand horizontal and above the rake head, the ends of the teeth being then as high as the arms, thus preventing all straggling or uneven windrows.

The pressure (of the hay) against the teeth and vibrator arms, assists in discharging the load, making it the easiest hand dump Rake in the market.

THE IMPROVED HAMILTON TONGUELESS CULTIVATOR

Has no equal in running qualities. All the advantages secured in our *Tongueless Cultivator* are retained in the *Tongueless*. It has the adjustable arch, vibrating movement of the uprights, direct hitch and all the attachments, Bar-Shares, Coulters, etc., can be used on it with equal facility.

The draft arm is pivoted to the end of the beam coupling in such a manner that the mere turning of a set screw regulates the depth of the plowing.

A full sized 30 inch wheel is used and the necessity for a castor wheel with all its disadvantages is overcome. It will therefore not fall down or "pile up" at the ends of the rows in turning.

It is light draft—follows the direct line of draft and can be run backward or forward by the handles.

The standards are made of either wood or iron to suit the wants of the trade.

HAMILTON NEW VIBRATING CLEANER RAKE.



It is made for one or two horses, and with steel or wood wheels. We also make the

OLD RELIABLE PIN CLEANER RAKE,

that has no superior among rakes of its class.

THE IMPROVED HAMILTON TONGUELESS CULTIVATOR.



No. 1. With Iron Standards.