

BROWN

CORN
PLANTERS
AND
AGRICULTURAL
IMPLEMENTS

FOR SALE BY

GEO. W. BROWN & CO.

MANUFACTURERS OF
AGRICULTURAL
IMPLEMENTS

GALESBURG, ILL.



Geo. W. Brown

INVENTOR OF THE CORN PLANTER.

GEO. W. BROWN & CO.

WE MADE THE FIRST
CORN PLANTER

WE STILL MAKE THE BEST

GALESBURG, ILL. U.S.A.

GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
AT THE FIRST
GALESBURG, ILL. U.S.A.

THE
OLDEST



Brown's Corn Planter Works

M. T. PERRIN, Pres.
JAS. E. BROWN, Treas.
G. D. CROCKER, Manager
GEO. W. COWAN, Vice Pres.
H. B. SCHRETTIN, Secy.

GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
AT THE FIRST
GALESBURG, ILL. U.S.A.

IN THE
WORLD

GEO. W. BROWN & CO.

WE MADE THE FIRST
CORN PLANTER

WE STILL MAKE THE BEST

GALESBURG, ILL. U.S.A.

FARMERS' ANNUAL

Pocket Companion

To Our Patrons...

We take pleasure in presenting our Forty-sixth Annual Pocket Catalogue and desire to thank you for your very liberal patronage in the past.

We have improved and added to our line during the past year, striving to reach the nearest possible point to perfection, and extend to all an invitation to inspect our machines.

Trusting that our endeavors to make only the very best may merit a continuance of your patronage, we remain,

Very truly yours,

Geo. W. Brown & Co.

GALESBURG, ILL., U. S. A.

THE CORN PLANTER PEOPLE

GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
AT THE FIRST
GALESBURG, ILL. U.S.A.

READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

FRANKS & SONS PRINT PEORIA



Geo. W. Brown & Co.

Manufacturers of

	Page
Brown's Steel Queen.....	4-6-8
Brown's Admiral Dewey	10
Brown's Steel Horse Shoe	12
Brown's One-Horse Corn Planter.....	14
Brown's Steel One-Horse Drill	16
Brown's Wood One-Horse Drill	16
Brown's Combined Walking Lister.....	22
Brown's Single Lister	20
Brown's Lister Drill.....	24
Brown's Riding Lister and Drill.....	18
Brown's Straight Knife Stalk Cutter.....	26
Brown's Spiral Knife Stalk Cutter.....	28
Brown's Pony Low Hitch Cultivator W. B. I. S. Gangs	30
Brown's Pony Double Evener Cultivator, Adj. Shank Gangs.....	32
Brown's Pony Double Evener Cultivator, Plain Steel Gangs.....	34
Brown's Acme Tongueless Cultivator	36
Brown's Wood Frame Riding Cultivator.....	40
Brown's Steel Frame Riding Cultivator.....	38
Brown's Steel Self-Dump Hay Rake	42
Brown's Hand-Dump Hay Rake.....	44
Brown's Stalk Rake	46
Brown's Knox Corn Sheller, one- and two-hole.....	56
Brown's Pipe Lever Harrow.....	48
Brown's U Bar Lever Harrow.....	50
Brown's Little Giant Lever Harrow	52
Brown's Shovel Plows	52-54
Brown's Hand Cart	58
Brown's Five-Tooth Cultivator.....	58
Brown's Rod Breaker.....	
Brown's Spring Trip Gangs, Spring Tooth Gangs, Brown's Eagle Claw Gangs, Six-Shovel Gangs, etc.	

Established 1853 ✻ Incorporated 1880

Geo. W. Brown & Co.

12x26

Manufacturers of

CORN PLANTERS

...AND...

Agricultural Implements,

13
14
29

GALESBURG, ILL.



Factory, Branch and Distributing Houses:

GEO. W. BROWN & CO.,

Main Office and Factory, Galesburg, Ill.

Geo. W. Brown & Co., Kansas City, Mo.

Geo. W. Brown & Co., Council Bluffs, Iowa.

Geo. W. Brown & Co., Lincoln, Neb.

Geo. W. Brown & Co., Des Moines, Iowa.

L. A. Upton, Cedar Rapids, Iowa.

Graham & Stringfellow, St. Joseph, Mo.

Davis & Co., Sioux City, Iowa.



READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines



The Original Two-Horse Corn Planter invented
by Geo. W. Brown, in the year 1851.



Almost fifty years' experience in the manufacture of Corn Planters has enabled us to present to the trade of '99, a machine, which for strength, simplicity, durability and accuracy, is unsurpassed. The improvements for '99 embody several valuable features which easily place it at the head of all corn planting machines. It has been thoroughly tested and has given universal satisfaction.

This planter, which we call our "Steel Queen," is constructed, with the exception of the tongue, entirely of steel and iron, the shapes employed being such as will give the greatest strength with the least weight. The runners are thoroughly braced to the frame, which prevents the shattering, so common in most steel machines when on hard ground.

It is a Combined Hill and Drill Drop Machine. To change from one method of planting to the other, it is only necessary to change the plates and release the valves. There is nothing to put on or take off, and consequently nothing to lose.

The dropping plates and the valves are operated by a single revolving shaft which connects directly on either side to the fork through which the wire

MEMORANDUM.

Larson

43

38

81

1620 dol



READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.
GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.
GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.
GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you
Geo. W. Brown & Co.'s Machines

passes. Thus, in checking, the whole mechanism is operated by the wire. *There is no chain to catch or run off.* The shaft is securely locked in its proper position after each operation. Each dropping plate has a gear on its periphery having alternating large and small teeth, making it impossible to start the plate wrong. The thick plates with round holes are designed for checking, and hold a hill in each hole, while the thin plates are for drilling, and hold only one kernel in each hole.



The "Steel Queen."

To change from one size or style of dropping plate to another, it is only necessary to turn back the hopper, which is fastened to the frame by a hinge joint, and remove a small nut in the center of the plate, when the plate will be free to come off. This feature is especially valuable when there is corn in the hopper, as the plates may be changed at any time without disturbing the contents of the hopper.

The *checking device*, as improved for '99, contains several new features, most important among which are the angles at which the pulleys are set to insure light draft; the hinge joint in the fork, an invaluable feature on rough or hilly ground, and the automatic wire release.

Another feature which is new this year, is the adjustment by which the tongue may be hitched high or

MEMORANDUM.

May 1899
Work for
Lansford

131	Hours 2	Resin
14	8	do 16 day
16	5	af Lansford
22	10	5 - do
23	10	Resin
24	3	af Lansford
	3 8	11 to 200
		in full

GEO. W. B.
 WE MADE
 CORN I
 WE STILL
 GALESBURG

READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

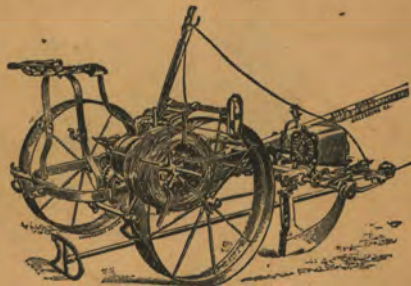
Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

low, and yet keep the frame in same relative position to the ground.

The automatic reel for laying and winding up the wire may be attached to either side; when not in use it is disengaged by throwing back the foot lever. This is a great time saver as its work is perfect.

Each machine is adjusted before leaving the factory, and if set up as per instructions found inside the hopper cover, there can be no trouble in operating. By changing the chain to the different sprockets the "Steel Queen" will drill 7, 11, 15 or 19 inches apart.



The "Steel Queen."

The "Steel Queen" is made in three widths, 3-4, 3-6, and 3-8; each one is adjustable to any of these widths, however, and to change from one to another is the work of but a few moments.

They are built with a 30- or 36-inch wheel, the latter being specially adapted for the western trade for use in listed furrows. Each machine is furnished with an automatic reel, 80 rods of wire, and flat, open or concave wheels, as may be desired; also, 3 sets of plates, 1 set each with $\frac{1}{8}$, $\frac{1}{4}$, and $\frac{3}{8}$ round holes for checking, and 2 sets for drilling, 1 set each with $\frac{1}{8}$ and $\frac{1}{4}$ oblong holes. Blank plates and special plates for any purpose furnished upon application.

MEMORANDUM.

May 1899

12	3	17	Hour 7 1/2
13	3	24	7
14	1	26	10
15	8	27	8
16	5		3 2 2

hour 20
 160 Allen
 in full
 4 1/2
 16 day

22	10
33	10
24	3

9 43 hour
 160 Allen
 in full
 4 - 60
 24 day

GEO. W. BROWN & CO.
 WE MADE THE FIRST
 CORN PLANTER
 WE STILL MAKE THE BEST
 GALESBURG, ILL. U.S.A.

READ....

WHAT OTHERS
 SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

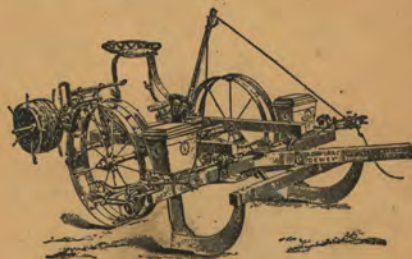
GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, best looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

Admiral Dewey Corn Planter



This planter is the same as the Steel Queen with the exception it has a wood frame in place of steel.

It has all the latest improvements, the tongue adjustments, compound flippers, automatic reel, etc.; is exactly the same as the Steel Queen.

We take pleasure in introducing the Admiral Dewey to the trade and we can truthfully recommend it to anyone wanting an up-to-date Corn Planter.

MEMORANDUM.

May 1899

Painting for Sundell

<i>19 April 72</i>	
<i>24</i>	<i>7</i>
<i>26</i>	<i>10</i>
<i>27</i>	<i>8</i>
	<i>322</i>

Work for Hamist

June 1899

<i>Roadsman</i>	<i>Altin</i>
<i>28</i>	<i>9 28 9</i>
<i>29</i>	<i>9 29 9</i>
<i>30</i>	<i>9 30 9</i>

July 1899

Revised in full

Oct 1 of year 15



READ....

WHAT OTHERS SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.
GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.
GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.
GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you
Geo. W. Brown & Co.'s Machines

Brown's Steel Horse Shoe Corn Planter



This planter is the old original Brown Corn Planter made entirely of steel and iron. For a hill drop planter, it cannot be beat.

The check rower is the Brown Universal Check Rower and one we will guarantee to give the best of satisfaction. It automatically releases the wire by raising the planter.

The drop is our old reliable drop which has been successfully used for many years on our planters.

Our automatic reel has more good points than any other reel on the market. It is made of steel and malleable iron and will positively not kink or break the wire.

The Width.—They are all adjustable 3-6 or 3-8.

The Wheels.—We furnish them 30- or 36-inch; flat, concave or open.

We sell this planter hill drop only, and guarantee it to do as good work as any planter made.

GET OUR PRICES ON THIS PLANTER.

MEMORANDUM.

3

5

6

7

1899

for Harriet

Howe

9

9

9



READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & Co.

OLATHE, KAN., April 16, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

Brown's One-Horse Corn Planter



The above cut illustrates our One-Horse Corn Planter which is acknowledged by all as the leading machine of its kind on the market. It embraces many of the principal features.

used on our celebrated Steel Queen Corn Planter.

The seed box is hinged to the frame which is a great convenience in changing the plates, as the hopper can be turned back and the plate removed.

The dropping is done by means of a gear plate and pinion, which is run by the covering wheel, and it has proved to be a very accurate drop. It can be thrown in or out of gear by means of a lever which comes up between the handles.

The distance in dropping is regulated by changing the large gear from the cover wheel shaft to the dropping shaft, and vice versa; also by the number of holes in the seed plates. Seven plates are furnished with each machine, as follows:

One	6-hole	plate	with	7-16	hole,	No.	1535.
One	8-	"	"	7-16	"	"	1536.
One	10-	"	"	7-16	"	"	1537.
One	6-	"	"	8-16	"	"	1538.
One	8-	"	"	8-16	"	"	1539.
One	10-	"	"	8-16	"	"	1540.
One	blank	plate,	No.	1531.			

The distance in dropping can be adjusted from about 9 inches to 30 inches, as follows:

MEMORANDUM.

3

5

6

7

Seed in full



READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.
GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.
GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co. Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.
GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

	6-hole plate, large to small sprocket, about	9 inches.
8-	" " "	12 "
8-	" " "	15½ "
10-	" " "	20 "
6-	" " small to large	25 "
8-	" " "	30 "
10-	" " "	

Plates for planting broom corn, pop corn, Kaffir corn, sugar cane or any special kind of seed can be furnished upon application at a small cost.

Anyone wanting a machine of this kind will make no mistake in buying Brown's One-Horse Corn Planter.

Brown's Wood One-Horse Drill.



This machine has always given satisfaction. It is made of the best material and will stand hard usage.

The dropping is done by means of a gear which is turned by the drive wheel in front. Plates for planting any special kind of seed can be furnished at a small cost.

MEMORANDUM.

READ....

WHAT OTHERS SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.
GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, Mo., June 24, 1898.
GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.
C. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

inches back of the subsoiler. This is a valuable improvement.

The covering shovels are attached so as to cover the corn evenly; they are adjustable in widths, also up and down, and are provided with break pins.

The seed box is hinged to the tube, which is a great convenience in changing the plates, as the seed box can be turned back and the plate removed.

Only one lever is used to throw the lister in and out of the ground. The plow is so attached to the frame that when the machine is in motion the plow goes into and comes out of the ground point first. Throwing the plow into the ground automatically starts the dropping, and raising the plow out of the ground puts it out of gear. Eveners for three and four horses are furnished with each lister.

This lister surpasses all others in strength, durability and accuracy of drop, and is, without doubt, the best machine of the kind on the market.

Brown's Single Lister



GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

This is the same as the lister part of our combined machine, but has no dropping attachment. The mould boards are of the best soft center steel and will scour in any soil.

MEMORANDUM.

GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

Brown's New Steel Combined Lister and Drill



After many years of experimenting and careful study, we are prepared to offer to the trade Brown's New Steel Combined Lister and Drill, a machine

far superior to many so-called combined listers now on the market.

The mould boards on our new steel lister are made of the best soft center steel, properly hardened, and are so shaped that they will turn nice, even furrows, and will scour in any soil. The subsoiler is adjustable up and down and can also be moved backward as it becomes worn.

The covering shovels are attached so as to throw the soil on top of the corn. The shanks to which they are attached are provided with break pins and are adjustable in widths, also up and down.

The drill attachment is so attached as to adjust itself to the unevenness of the ground. The dropping is done by means of a gear plate which is turned by

MEMORANDUM.

July 1898
92.5 Roadstray
8
10
13
23
490
Pad

490
490
960
490



READ....

WHAT OTHERS SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.
 GEO. W. BROWN & Co., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.
 GEO. W. BROWN & Co., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & Co.

OLATHE, KAN., April 16, 1898.
 GEO. W. BROWN & Co., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

a gear pinion on the shaft, and we guarantee it to be the most accurate drop made.

The hopper box is hinged to the frame, making it an easy matter to change the plates.

The drill, detached, is a perfect one-horse drill, as we furnish drill handles and gauge wheel with each combined lister.

Plates are furnished with each machine, dropping from 12 to 28 inches apart.

The Brown's New Steel Combined Lister plows and plants at the same time and is particularly adapted to dry, sandy soil.

If you want a good lister, get the Brown's.

Brown's Lister Drill



GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

This is the dropping attachment of our combined lister. It is furnished complete with handles and gauge wheel, making a complete steel one-horse drill.

MEMORANDUM.

1990
Alter
8
10
13
9
62
243
490
Paid

GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.
GEO. W. BROWN & Co., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.
GEO. W. BROWN & Co., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

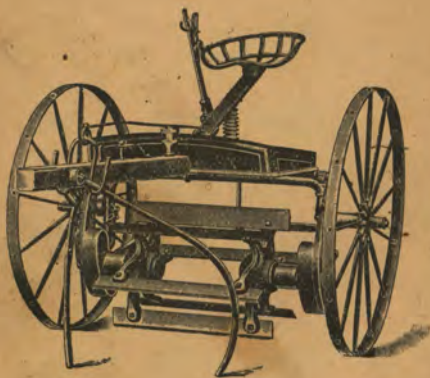
OLATHE, KAN., April 16, 1898.
GEO. W. BROWN & Co., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you
Geo. W. Brown & Co.'s Machines

MEMORANDUM.

July 1899
 L & Roadster
 14 9
 15 2
 17 9
 18 9
 19 9
 20 9
 21 9
 22 7
 64

Leidy Straight Knife Cotton and
Corn Stalk Cutter

Single and Double Row



The original open cylinder stalk cutter. It is the most practical and durable cutter on the market, doing its work so thoroughly as to permit all the stalks to be plowed under.

The open cylinder positively will not clog.

The knives are attached to the cylinder at an angle which insures the thorough cutting of the stalks.

The draft is light and owing to the complete and perfect leverage, it is easily operated.

All or any part of the weight of the driver and machine may be thrown on the knives. Double seat spring, six knives (adjustable). It is possessed of merits that commend it to the farming public.

We guarantee it to give the best of satisfaction and to cut any kind of stalks.



READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

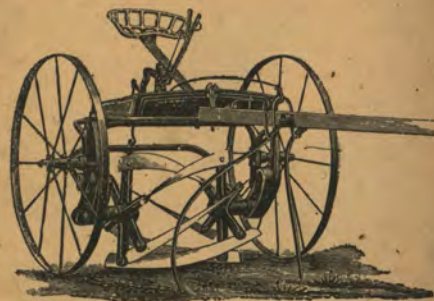
Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

14-22 27 781

Knox Spiral Knife Cotton and Corn Stalk Cutter



Single and Double Row

To supply the demand for stalk cutters with spiral knives, we offer to the trade our Knox Spiral Knife Cutter. The flattering reception accorded to this machine and the increasing demand for it assure us that it possesses superior merit. It is identical in construction with the famous Leidy in every respect except the cylinder, and these are interchangeable. All the points of superiority claimed for the Leidy apply as well to the Knox. All intending purchasers, who have a preference for a spiral knife cutter, should examine this machine as it is superior in many respects to any other spiral knife cutter. We guarantee it to cut any stalks. It never fails. It always gives satisfaction.

MEMORANDUM.

14

15

17

18

9

20

21

22

9

3

9

9

9

9

8

8

65

130

100

10



READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this spring are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

Brown's Pony Low Hitch Cultivator



With Wood Beam Iron Shank Gangs



Our Pony Low Hitch Cultivator has proven to be one of the best, if not the best, walking cultivator on the market. While light running and handsome in appearance, it is made

for hard work. The frame is made of steel and malleable iron thereby insuring great strength.

The ball coupling will be found a great improvement as there is no friction, making the movement of the gang very easy. The low hitch, or double equalizer, makes each horse do its work; it also takes all the weight off of the horses' necks.

Our compound lifting spring can be adjusted so as to force the shovels into the ground at from four to sixteen pounds pressure, at the same time not destroying any of the lifting power of the spring. With the spring a person does not need to ride on the handles but simply guide them.

We take particular pride in our shovels. They are all made of the best crucible soft center steel, properly hardened, and will scour in any soil.

We furnish nine different kinds of gangs.

MEMORANDUM

24 L. Road Run

24
25
27

9
3
8
20
445
240
685



READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

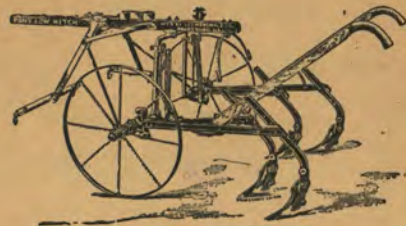
GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, best looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

Brown's Pony Low Hitch Cultivator



Adjustable Shank Gangs



The above cut is from our Pony Low Hitch Cultivator (see description page 30) equipped with adjustable shank gangs. These gangs are used

extensively in listed ground as any one of the shovels can be adjusted up and down making it an easy matter to reach the bottom of the furrow.

We can also furnish spring tooth gangs. These gangs are rapidly growing in favor with the advancement of surface cultivators.

Our six-shovel gangs are great sellers; they will fit any of our walking cultivators.

For stumpy or stony land our spring trips are just what you want.

Our 1899 gangs have been thoroughly tested and have given the best of satisfaction.

MUSKOGEE, IND. TER., Nov. 1, 1898.

GEO. W. BROWN & CO.

Gentlemen:—After giving your 1899 spring trip a fair trial, we can truthfully say that it is second to none we have ever tried.

Yours respectfully,

ALLEN BROS.

MEMORANDUM.

24-
25-

9
2.40

Put in full



READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this spring are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

MEMORANDUM.



GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

Write for description and prices.

READ....

WHAT OTHERS SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.
GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:--We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & Co.

Yours truly, HERT, ROTH & Co.

OLATHE, KAN., April 16, 1898.

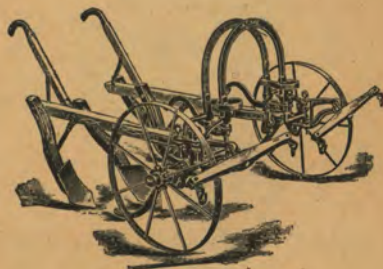
C. W. BROWN & Co., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

Brown's "Acme" Tongueless Cultivator



Wood or Steel Beam



The "Acme" Cultivator has become a favorite, as it will not collapse when in use or on the sample floor; it persists in standing up in spite of

all efforts to the contrary.

You can't knock it down.

The operator can easily move it backward or forward by the handles and it still retains its rigid form, each movement holding the wheels perfectly parallel and thus avoiding the spread which is fatal to the easy operation of all other tongueless cultivators.

Furnished with wood or steel gangs.

MEMORANDUM.



READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

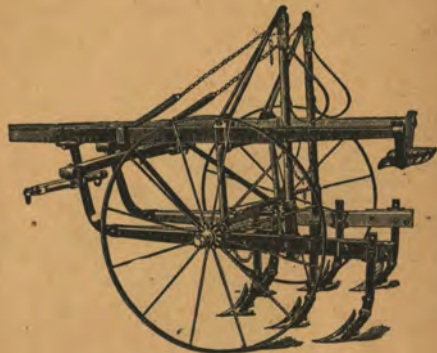
GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

Brown's Steel Frame Riding Cultivator



GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

This cultivator is made entirely of steel and iron, the tongue being the only wood used. This insures great strength and a handsome appearance.

The gangs are hung on a pivot, are provided with hand and foot holds and can be fastened so as to work independently or together. They are also adjustable to any depth.

The Rocker arms for controlling the gangs are provided with springs. These springs counteract the weight of the gang. This gives the shovels an even depth and places the gang in a position that it may be handled with perfect ease by the operator.

These cultivators are all provided with our combination four- and six-shovel gangs with adjustable shank for listed corn.

If you are intending to purchase a riding cultivator, it will be to your interest to examine this machine.

MEMORANDUM.

GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

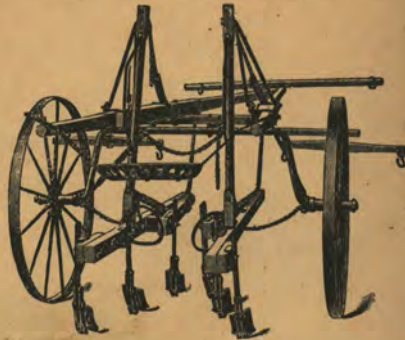
GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

Brown's Wood Frame Riding Cultivator



GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

This is our old reliable riding cultivator. The reception accorded this cultivator in the past three years and the increasing demand for it, warrant us in saying that it is a cultivator that pleases the people. A great objection to many of the riding cultivators is the obstruction which hinders the operator from seeing the rows. We have entirely overcome this in our wood frame riding cultivator with a split tongue, leaving no obstruction between the operator and the rows.

The seat can be adjusted as desired for either light or heavy weight operator.

Furnished with our combination four- and six-shovel gang with adjustable shank for listed corn.

All the points of excellence claimed for our Steel Frame Riding Cultivator apply as well to the wood frame.

You will make no mistake in placing your order for one of these machines.

MEMORANDUM.

GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this spring are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

FRANKS & SONS PRINT PEORIA

Brown's Steel Self-Dump Rake



This rake is made entirely of steel and is constructed on scientific principles. The frame is securely riveted together.

Our perfect pumping device is compactly located at each wheel. It can also be used as a hand-dump.

The teeth are made of crucible spring steel, tempered in oil.

We claim: It dumps easily. It is moderate in cost. It cleans perfectly. It won't eat up a farm. It is very simple. It will do you good service. It is reliable. If you raise hay, you need it.

We furnish it in three widths, viz: 8 feet wide, with 21 teeth. 10 feet wide, with 27 teeth. 12 feet wide, with 32 teeth.

It is combined, either pole or shafts.

You will find this rake to be all we claim for it. Ask your dealer to let you see it.

MEMORANDUM.



READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

Brown's Steel Hand-Dump Rake



Made entirely of steel. The frame is securely riveted together. The front frame is hinged so that the driver's weight and that of the frame aid in dumping.

Has automatic lock lever which holds the teeth securely in place.

We claim superiority in construction, strength, light weight, and simple, but perfect leverage.

The teeth we guarantee to be crucible spring steel, oil tempered, which is of great importance in a successful rake.

The heads are substantially trussed so they cannot sag out of line.

Furnished in two widths: 8 foot, with 21 teeth; 10 foot, with 27 teeth.

Is combined, either pole or shafts.

BLUE MOUND, KAN., Apr. 28, '98.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—It is with pleasure that we compliment your Steel Queen Planter. We sell nothing but the Brown Planter, as we deem it the only planter. By experience, we have our first kick to be made on the Queen. All are highly pleased with them. We have sold seventeen and prospects are good yet.

C. E. BUTCHER.

MEMORANDUM.



READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

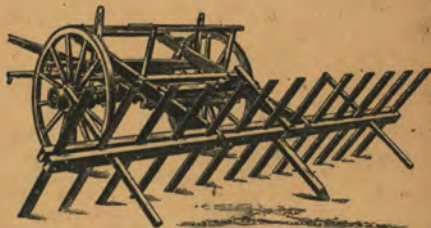
Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

Brown's Foot-Dump Stalk Rake

An Old Instrument Uptodate



The stalk rake is not a new implement, having been used for years. Everyone knows a good thing. While the Brown rake is not a new thing, it has some new points which are good ones.

Brown's Stalk Rake is a foot-dump, which will be found to be a great improvement on the hand-rake.

Brown's Stalk Rake is made of white oak, bolted through each tooth, and will outlast several pine rakes.

The price of this stalk rake is placed within the reach of all, and it will be found to pay for itself in a very short time. It is just what you want.

NOTE.—The rake may be attached to front or rear bolster of a wagon, as may be desired.

GET OUR PRICES

MEMORANDUM.



READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

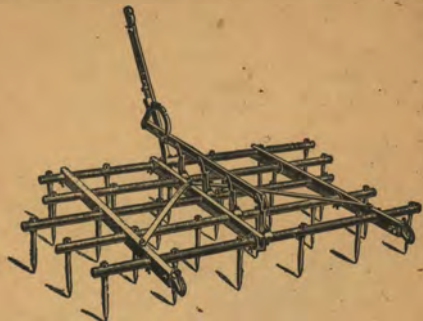
GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

Brown's Pipe Lever Harrow



We claim this is one of the strongest harrows made, having both center and side braces; the lever being placed at the rear of the connecting bar makes it easy to handle.

The tooth bars are made of gas pipe, the teeth being substantially headed to the bars in such a position as to combine the strength of both the burr and the teeth.

The teeth may be set at any angle, slanting backward or laid flat, so that the cross bars are the only part of the harrow that comes in contact with the ground.

This harrow is just the thing for young corn. For use in trashy ground it will be found superior to any other harrow as it pulverizes the ground thoroughly and does not clog with trash.

Made in two, three and four sections, thirty and thirty-five teeth to the section.

The three-section harrows are furnished with two- and three-section eveners.

THIS IS WITHOUT DOUBT THE BEST
HARROW MADE

MEMORANDUM.



READ...

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.
GEO. W. BROWN & Co., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.
GEO. W. BROWN & Co., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & Co.

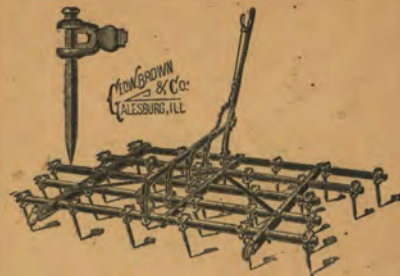
OLATHE, KAN., April 16, 1898.
GEO. W. BROWN & Co., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

Brown's U Bar Lever Harrow



Being made entirely of steel and malleable iron, it possesses great strength, yet is light to handle.

The tooth bars are made of U bar steel. The teeth are headed and are attached to the tooth bars by means of a malleable clamp and bolt (see cut) in such a manner as to retain all the strength of the bar and tooth.

By the action of the lever the teeth may be set at any angle, slanting backward or laid flat, so that the cross bars are the only part of the harrow that comes in contact with the ground, a desirable feature when smoothing the ground or when the operator wishes to move from one field to another.

It has three cross bars and two braces to the section.

Made in two, three and four sections, thirty and thirty-five teeth to the section.

The three-section harrows are furnished with two- and three-section eveners.

MEMORANDUM.



READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

Brown's Angle Bar Lever Harrow



GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

This is a very strong harrow, the tooth bars going through the side bars and are fastened by a nut on the end.

This harrow is made in two, three and four sections, thirty and thirty-five teeth to the section.

The three-section harrows are furnished with two- and three-section eveners.

Has all the good points of our pipe and U bar harrows. Ask for prices on this harrow.



Brown's Double Shovel Plow

GEO. W. BROWN & CO.
GALESBURG, ILL.

Wood
Beam,
Iron
Shank

GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

This plow is built very strong and durable, but at the same time light and easy to handle; is adapted to hilly or stumpy ground.

MEMORANDUM.

GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

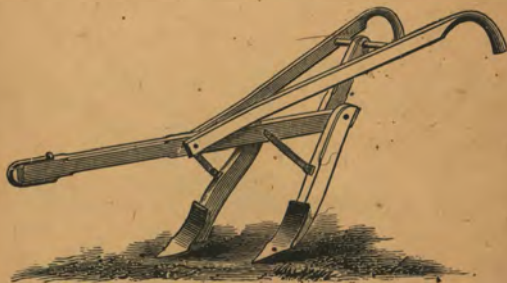
Brown's Single Shovel Plow



GEORGE W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

Wood beam, single shovel, nine- and twelve-inch. These plows are designed for cultivating corn, potatoes, etc., where the ground is new and has roots or stumps which render other plows unsuitable.

Brown's Double Shovel Plow



Wood beam, double shovel. This plow is used in hilly or stumpy ground. The beams and shanks are made of the best selected oak. A good plow for new land.

MEMORANDUM.

READ....

WHAT OTHERS SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & Co., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

C. W. BROWN & Co., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

Knox Five-Tooth Cultivator



GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

This cultivator is made entirely of steel, is adjustable in width, and the angle of the shovels can be readily changed to accommodate it to the various conditions of the soil. It is very useful in the cultivation of any kind of crop. Shovels are reversible and used with a break pin. Only the best stock used in its construction.

Brown's Hand Cart



GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

Is the best cart of its kind on the market. Well ironed, bolted joints, steel springs. Strong, durable, handy, and a good seller.

MEMORANDUM.

GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

MEASUREMENT TABLES FOR EVERY DAY USE

Measure of Length

4 inches make one hand.	3 feet make 1 yard.
7.92 inches make 1 link.	5½ yards make 1 rod or pole.
18 inches make 1 cubit.	40 poles make 1 furlong.
12 inches make 1 foot.	8 furlongs make 1 mile.
6 feet make 1 fathom.	69 1-6 miles make 1 degree.
60 geographical miles make 1 degree.	

Measure of Surface

144 square inches make	1 square foot.
9 square feet make	1 square yard.
30¼ square yards make	1 rod, perch or pole.
40 square rods make	1 square rood.
4 square roods make	1 square acre.
10 square chains make	1 square acre.
640 square acres make	1 square mile.
Gunter's chain equal to 22 yards or 100 links.	

Measure of Solidity

1728 cubic inches make 1 cubic foot.
27 cubic feet make one cubic yard.

Avoirdupois Weight

27 11-32 grains make	1 drachm (dr.) or 27 11-32 grains.
16 drachms make	1 ounce (oz.) or 437½ grains.
16 ounces make	1 pound (lb.) or 7000 grains.
28 pounds make	1 quarter (qr.).
4 quarters make	1 hundredweight (cwt.).
20 cwt. make	1 ton.

Troy Weight

24 grains make	1 pennyweight or 24 grains.
20 pennyweights make	1 ounce or 480 grains.
12 ounces make	1 pound or 5760 grains.

Apothecaries' Weight

20 grains make	1 scruple.	8 drachms make	1 ounce.
3 scruples make	1 drachm.	12 ounces make	1 pound.

Diamond Weight

16 parts make	1 grain (8-10 grain Troy).
4 grains make	1 carat (3 1-5 grains Troy).

Liquid Measure

4 gills make	1 pint.	2 gallons make	1 peck.
2 pints make	1 quart.	31½ gals. make	1 barrel.
4 quarts make	1 gallon.	54 gallons make	1 hogshead.

Dry Measure

8 quarts make	1 peck.	8 bushels make	1 quarter.
4 pecks make	1 bushel.	36 bushels make	1 chaldron.
1 bushel equal to 281½	cubic inches, nearly.		

TO MEASURE CORN IN A CRIB

This rule will apply to a crib of any size or kind. Two cubic feet of good, sound, dry corn in the ear will make a bushel of shelled corn. To get, then, the quantity of shelled corn in a crib of corn in the ear, measure the length, breadth and height in feet of crib inside of rail; multiply the length by the breadth, and the product by the height; then divide the product by two, and you have the number of bushels of shelled corn in the crib.

To find the number of bushels of apples, potatoes, etc., in a bin, multiply the length, breadth and thickness together, and this product by 8, and point off one figure in the product for decimals.

The Best is the Cheapest: therefore, when you buy a Corn Planter get the Brown

MEASUREMENT OF HAY

Twenty-five cubic yards of hay in windrows make a ton.
When loaded on wagons, 20 cubic yards make a ton.
When settled in mows, 15 cubic yards make a ton.

To find the Number of Tons in Long Square Stacks

Rule.—Multiply the length in yards by the width in yards, and that by half the altitude in yards, and divide the product by 15.

Example.—How many tons in a stack 10 yards long, 5 wide and 9 high?

Process.— $10 \times 5 \times 4\frac{1}{2} = 225$; divided by $15 = 15$ tons.

To find the Number of Tons in Circular Stacks

Rule.—Multiply the square of the circumference in yards by four times the altitude in yards, and divide by 100, making the cubic yards in the stack; then divide by 15 for the number of tons.

Example.—How many tons of hay in a circular stack whose circumference at the base is 25 yards, and height 9 yards?

Process.— $25 \times 25 = 625$; $625 \times 36 = 22,500$, divided by $100 = 225$, divided by $15 = 15$ tons of hay.



READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.
GEO. W. BROWN & Co., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.
GEO. W. BROWN & Co., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co. Yours truly, HERT, ROTH & Co.

OLATHE, KAN., April 16, 1898.

GEO. W. BROWN & Co., Kansas City, Mo.
Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you
Geo. W. Brown & Co.'s Machines

TO MEASURE GRAIN IN BINS

By the United States standard, 2,150 cubic inches make a bushel. Since a cubic foot contains 1,728 cubic inches, therefore, a bushel is to a cubic foot as 2,150 is to 1,728, or for practical purposes, as 5 is to 4. In order, therefore, to convert cubic feet into bushels, it is only necessary to multiply by four-fifths.

Example.—How many bushels in a bin 10 feet long, 4 feet wide and 4 feet deep?

Solution.—10 feet x 4 feet x 4 feet equals 160 cubic feet, 160 x 4-5 equals 128.

This rule may be reversed to find how large a bin should be to contain a certain number of bushels. Add 1-5 to the number of bushels, and build the bin to contain that many cubic feet.

BUSHEL MEASURE

Showing the legal number of pounds per bushel of the following articles in the States named below:

ARTICLES	New York	Illinois	Indiana	Iowa	Kansas	Michigan	Minnesota	Missouri	Ohio	Texas	Wisconsin
Apples, dried.....	22	24	25	24	24	28	28	24	25	24	28
Barley.....	48	48	48	46	50	48	48	48	48	48	48
Beans, white.....	60	60	60	60	60	60	60	60	60	60	60
Beans, castor.....	46	46	46	46	46	46	46	46	46	46	46
Beets.....	60	60	60	60	60	60	60	60	60	60	60
Bran.....	20	20	20	20	20	20	20	20	20	20	20
Broom-corn seed.....	46	46	46	46	46	46	46	46	46	46	46
Buckwheat.....	48	52	50	52	50	42	42	52	52	52	46
Charcoal.....	22	22	22	22	22	22	22	22	22	22	22
Coal, stone.....	80	80	80	80	80	80	80	80	80	80	80
Corn, shelled.....	58	56	56	56	56	56	56	56	56	56	56
Corn, in ear.....	70	70	70	70	70	70	70	70	70	70	70
Corn meal.....	48	48	48	48	48	48	48	48	48	48	48
Flax seed.....	56	56	56	56	56	56	56	56	56	56	56
Grass seed, Blue.....	14	14	14	14	14	14	14	14	14	14	14
" Clover.....	60	60	60	60	60	60	60	60	60	60	60
" Hungarian.....	48	48	48	48	48	48	48	48	48	48	48
" Millet.....	50	50	45	50	50	50	50	50	50	50	50
" Orchard.....	14	14	14	14	14	14	14	14	14	14	14
" Red Top.....	14	14	14	14	14	14	14	14	14	14	14
" Timothy.....	45	45	45	46	45	45	45	45	45	45	45
Hemp seed.....	44	44	44	44	44	44	44	44	44	44	44
Malt.....	34	38	36	32	38	38	34	38	34	38	38
Oats.....	32	32	32	32	32	32	32	30	32	32	32
Onions.....	57	57	57	57	56	57	56	50	57	56	57
Peaches, dried.....	32	23	33	23	33	28	28	33	33	33	28
Potatoes, Irish.....	60	60	60	60	60	60	60	60	60	60	60
Potatoes, sweet.....	55	55	55	55	55	55	55	50	55	50	54
Rye.....	56	56	56	56	56	56	56	56	56	56	56
Salt, coarse.....	56	50	50	50	50	50	50	50	50	50	50
Salt, fine.....	55	56	50	56	50	50	50	50	50	50	56
Turnips.....	55	55	55	55	55	55	55	55	56	60	55
Unslacked lime.....	80	80	80	80	80	80	80	80	80	80	80
Wheat.....	60	60	60	60	60	60	60	60	60	60	60

QUANTITY OF SEED TO PLANT AN ACRE

Barley.....	2 1/2 bushels
Beans in drills 2 1/2 feet.....	1 1/2 bushels
Beets in drills 2 1/2 feet.....	.9 pounds
Broom corn in drills.....	12 pounds
Cabbage seed for transplanting.....	12 ounces
Clover, large red, with timothy.....	12 pounds
Clover, large red, without timothy.....	16 pounds
Corn, sugar.....	10 quarts
Corn, field.....	8 quarts
Cucumbers in hills.....	3 quarts
Flax, broadcast.....	20 quarts
Grass, timothy with clover.....	6 quarts
Grass, timothy without clover.....	10 quarts
Grass, orchard.....	25 quarts
Grass, blue.....	28 quarts
Melons, water, in hills 8 x 8 feet.....	3 pounds
Oats.....	2 bushels
Onion seeds in beds for sets.....	50 pounds
Parsnips in drills 2 1/2 feet.....	5 pounds
Pumpkins in hills 8 x 8 feet.....	2 quarts
Peas in drills, short varieties.....	2 bushels
Peas in drills, tall varieties.....	1 1/2 bushels
Peas, broadcast.....	3 bushels
Potatoes.....	8 bushels
Radishes in drills 2 feet.....	10 pounds
Rye, broadcast.....	1 1/4 bushels
Rye, drilled.....	1 1/2 bushels
Turnips in drills 2 feet.....	3 pounds
Turnips, broadcast.....	3 pounds
Tomato seed in hills 3 x 3 feet.....	8 ounces
Wheat, drilled.....	1 1/2 bushels
Wheat, broadcast.....	2 bushels

POINTS FOR HOUSEKEEPERS

Charcoal, when kept powdered and fresh, will absorb the foul gases in the milk room.

One teaspoonful of ammonia to a teacupful of water, applied with a rag, will clean silver or gold.

A tablespoonful of turpentine boiled with your white clothes will aid the whitening process.

Wetting the hair thoroughly once or twice with a solution of salt and water will keep it from falling out.

Brown Cultivators, Superior to Any

KEEP A RECORD

Every farmer should keep an account book, in which a strict record of all his expenses and receipts ought to be made. At the end of the year he can then tell how he stands for the twelve months—whether he has farmed profitably or at a loss.

Brown Corn Planters are the Best

GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

READ....

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & Co.

OLATHE, KAN., April 16, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

U. S. LAND MEASURE AND HOMESTEAD LAW

A township is 36 sections, each a mile square. A section is 640 acres. A quarter section, half a mile square, is 160 acres. An eighth section, half a mile long north and south, and a quarter of a mile wide, is 80 acres. A sixteenth section, a quarter of a mile square, is 40 acres. The sections are all numbered 1 to 36, commencing at north-east corner, thus:

(Fig. 1.)

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

(Fig. 2.)

NW	NE
SW	SE

The sections are divided into quarters named by the cardinal points (Fig. 2). The quarters are themselves divided in the same way. The description of a forty-acre lot would read: The south half of the west half of the southwest quarter of section 1, in township 24, north of range 7 west, or as the case may be, and sometimes will fall short, and sometimes overrun the number of acres it is suppose to contain.

HOMESTEAD PRIVILEGES.—The laws give to every citizen, and to those who have declared their intention to become citizens, the right to a homestead on SURVEYED lands, to the extent of one-quarter section or 160 acres, or a half quarter section, or 80 acres; the former in cases in the class of lower priced lands held by law at \$1.25 per acre, the latter of high priced lands held at \$2.50 per acre when disposed of to cash buyers. The pre-emption privilege is restricted to heads of families, widows, or single persons over the age of twenty-one.

Every soldier and officer of the army, and every seaman, marine and officer of the navy, during the recent rebellion, may enter 160 acres from either class, and length of time served in the army or navy is deducted from the time required to perfect title.

SIMPLE INTEREST RULES

- 4 per cent.—Multiply the principal by the number of days, point off three right-hand figures and divide by 9.
 5 per cent.—Multiply the principal by the number of days, point off two right-hand figures and divide by 72.
 6 per cent.—Multiply the principal by the number of days, point off three right-hand figures and divide by 6.
 8 per cent.—Multiply the principal by the number of days, point off two right-hand figures and divide by 45.
 9 per cent.—Multiply the principal by the number of days, point off three right-hand figures and divide by 4.
 10 per cent.—Multiply the principal by the number of days, point off two right-hand figures and divide by 36.
 7 per cent.—Find the interest at 10 per cent., point off one more place at the right and multiply by 7.

ASK YOUR DEALER

for Brown's Cultivators, Harrows, Listers, Corn Planters, Corn Drills, Stalk Cutters, or any implements wanted.

CAPACITY OF CISTERNS

In calculating the capacity of cisterns, 31½ gallons are allowed to the barrel, and 63 gallons to the hogshead.

A Circular Cistern, One Foot in Depth,

5 feet in diam., holds 4½ bbls.	8 feet in diam., holds 12 bbls.
6 " " " 6¾ "	9 " " " 15 "
7 " " " 9 "	10 " " " 18½ "

A Square Cistern, One Foot in Depth,

5 feet square, holds 6 bbls.	8 feet square, holds 15½ bbls.
6 " " " 8½ "	9 " " " 19½ "
7 " " " 11½ "	10 " " " 23½ "

FOR BUILDERS

One thousand shingles, laid four inches to the weather, will cover one hundred square feet of surface, and five pounds of shingle nails will fasten them on.

One-fifth more siding and flooring is needed than the number of square feet of surface to be covered, because of the lap in the siding and matching of the floor.

One thousand laths will cover seventy yards of surface, and eleven pounds of lath nails will nail them on.

Eight bushels of good lime, sixteen bushels of sand, and one bushel of hair, will make enough good mortar to plaster one hundred square yards.

A cord of stone, three bushels of lime, and a cubic yard of sand, will lay one hundred cubic feet of wall.

Five courses of brick will lay one foot in height on a chimney; six bricks in a course will make a flue four inches wide and twelve inches long; and eight bricks in a course will make a flue eight inches wide and sixteen inches long.

SHRINKAGE IN GRAIN

The shrinkage in grain is more than is usually understood. From the time wheat is threshed it will shrink two quarts to the bushel, or six per cent. in six months, in the most favorable circumstances. Hence, it follows that ninety-four cents a bushel for wheat when first threshed in August, is as good, taking into account the shrinkage alone, as one dollar in the following February.

Corn shrinks much more from the time it is first husked. One hundred bushels of ears, as they come from the field in November, will be reduced to not far from eighty. So that forty cents a bushel for corn in the ear, as it comes from the field, is as good as fifty in March, shrinkage only being taken into account.

In the case of potatoes—taking those that rot and are otherwise lost—together with the shrinkage, there is but little doubt that between October and June, the loss to the owner who holds them is not less than thirty-three per cent.



READ...

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & CO.

OLATHE, KAN., April 16, 1898.

GEO. W. BROWN & CO., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines

SIMPLE REMEDIES

A CURE FOR DIPHTHERIA.—The celebrated Dr. Field, during the ravages of diphtheria in England a few years since, used the following remedy: A teaspoonful of flowers of brimstone in a wine glass of water, stirred with the finger rather than with a spoon, as sulphur does not really amalgamate with water. When well mixed, use as a gargle and swallow. In extreme cases, where the fungus was too nearly closed to allow gargling, he blew the sulphur through a quill into the throat, and after the fungus had shrunk, then gargled. If the patient cannot gargle, sprinkle the flowers of brimstone on a live coal and let him inhale the fumes. Brimstone kills every species of fungus in a man, beast or plant. Dr. Field never lost a patient from diphtheria during all his immense practice.

COFFEE FOR TYPHOID FEVER.—Dr. Guillaume, of the French Navy, reports that in the early stages of the disease coffee is almost a specific against typhoid fever. He gives to adults two to three tablespoonfuls of strong, black coffee every two hours, alternating with one or two teaspoonfuls of claret or Burgundy wine. The beneficial effect is immediate. A little lemonade or citrate of magnesia should be given daily, and after a while a little quinine.

SUNSTROKE.—Take patient immediately into the shade; place in half-recumbent position, head raised; loosen clothes about the neck and chest; apply immediately cold, wet cloths to the head and nape of neck, changing them frequently; send for physician.

NEW REMEDY FOR BURNS.—An iron foundry-man recommends as a "never failing, speedy remedy" for burns and scalds, powdered pine-wood charcoal.

REMEDY FOR CROUP.—Equal parts of camphor, spirits of wine, and hartshorn, well mixed and rubbed upon the throat, is said to be good for the croup.

TO CURE A COLD.—Pour half a pint of boiling water over a drachm of pulverised camphor, and inhale the vapors ten to twenty minutes. Great relief is at once experienced, and after two or three repetitions the discomfort is said to disappear entirely.

FLECKLES are said to yield to equal parts of lactic acid and glycerine frequently applied. Probably it is effectual, as the same mixture dissolves diphtheric false membranes. They may also be removed by touching them with a crystal of carbolic acid when dry.

A CHEAP AND EFFECTIVE DISINFECTANT can be made by dissolving a bushel of salt in a barrel of water, and with this water slake a barrel of lime. This forms a sort of chloride of lime, which may be used freely in cellars, outhouses, etc.

POWDERED BORAX, 6 drachms; pure glycerine, $\frac{3}{4}$ ounce; rose water or elder flower water, 12 ounces; mix. Its daily use as a cosmetic wash renders the skin beautifully soft and white, and prevents and removes chaps, sun burns, etc.

NEVER in a case of sickness, however, depend on anything but a good physician, as soon as one can be gotten.

1899...CALENDAR...1899

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

GEO. W. BROWN & CO.
WE MADE THE FIRST
CORN PLANTER
WE STILL MAKE THE BEST
GALESBURG, ILL. U.S.A.

READ...

WHAT OTHERS
SAY ABOUT

THE STEEL QUEEN

INDEPENDENCE, MO., April 21, 1898.
GEO. W. BROWN & Co., Kansas City, Mo.

Gentlemen:—I wish to compliment you on the handsome appearance your Steel Queen Planter makes when set up on the floor. It certainly is a very symmetrical and mechanically well-made planter. I deem it the best seller we have ever handled and I do not see where any improvement could be made. I think we have sold at least three times as many planters as we expected to and there are more to come. My customers seem to be as well satisfied with it in the field as we are on the floor. This makes it a pleasure to handle the Brown, which we are doing exclusively.

Yours very truly, G. M. NICHOL.

CALIFORNIA, MO., June 24, 1898.
GEO. W. BROWN & Co., Kansas City, Mo.

Gentlemen:—We are pleased to state that the Steel Queen Planter made by you is all right. We sold six of them this spring and in every instance universal satisfaction was given. All who wish to sell a planter that will give them no trouble, should buy the Steel Queen made by Geo. W. Brown & Co.

Yours truly, HERT, ROTH & Co.

OLATHE, KAN., April 16, 1898.
GEO. W. BROWN & Co., Kansas City, Mo.

Gentlemen:—Your Steel Queen Planters sold this year are working splendid. It is the most simple, finest looking and best selling planter I ever sold in twenty-five years experience in the implement trade. Yours truly, GEO. H. BEACH.

Insist on your Dealer Showing you

Geo. W. Brown & Co.'s Machines