

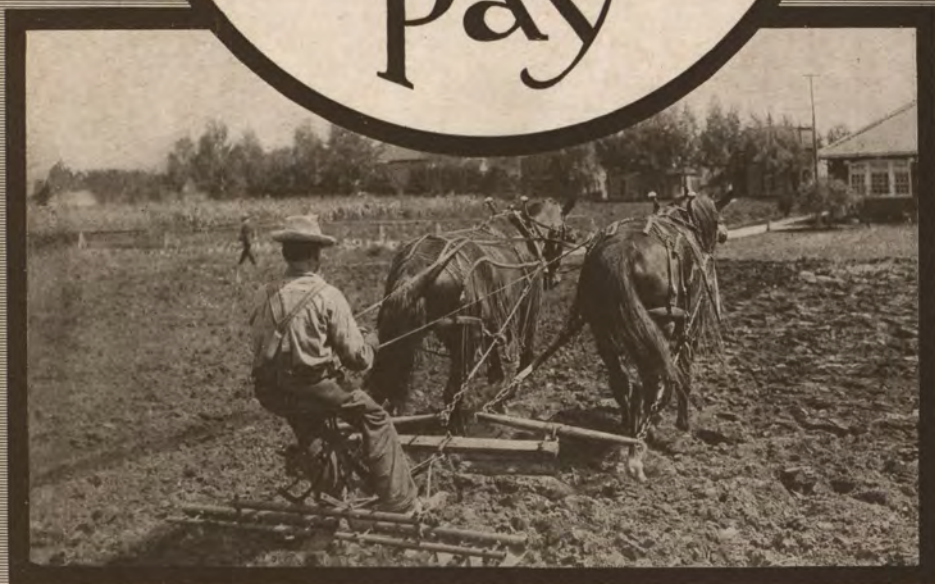
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1919



„The „
Acme Way
To Crops That
Pay





Tools Bearing This Trademark
Produce Perfect Seedbeds

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by
Duane H. Nash Inc.

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1919



THE "ACME" TILLAGE LINE

PERFECT SEED BEDS and clean, thorough tillage make possible those abundant crops that gladden the heart of the prudent farmer.

For many years, we have been making "ACME" Harrows, Weeders and Cultivators—all constructed on the famous coulter principle. Experience has proven that on all types of soil, *"the coulters do the work,"* and do it supremely well. Thousands of progressive farmers, orchardists and truckers in all parts of the United States and in many foreign countries use and endorse the "ACME." Practically all the leading Experiment Stations use the "ACME" Pulverizing Harrow in preparing their test plots.

The "ACME" is made in many styles and sizes. There's one to meet your needs.

DUANE H. NASH Inc., Millington, N. J.



The "ACME" Pulverizing Harrow at Massachusetts Agricultural College, Amherst, Mass.



Fig. 1.—The Original Harrow

“The Survival of the Fittest”

The whole history of agriculture has demonstrated the importance of the harrow. Agriculture has advanced as the harrow has been improved. Note the illustrations on this and the opposite page. They show how the harrow has been gradually improved through the centuries. As in other lines of invention and science, the greatest strides have been made during the past century.

The Romans, who were an ingenious race, were the first to develop the harrow. They had the triangular and oblong or square harrow all furnished with teeth, also a plank harrow. That was 2,000 years ago, but many American farmers are using harrows of almost the same kind today.

Gradually, new devices were brought out. But by a strange oversight, the weak point of the harrow was still there. The shape was changed, but the great objection, the teeth, still remained; and no device or change of form was able to overcome this fundamental difficulty.

The English farmers had chain harrows made, and some were imported into this country. They were not satisfactory, however, for while they dressed the surface nicely, underneath, the soil was left even worse than before.

Several blade harrows were brought out. But at that time no way was known of making the blades sufficiently strong. So in practical use these models soon proved inadequate.

Soon after this, Mr. Frederick Nishwitz, who finally succeeded by his scientific skill and mechanical genius in making harrows what they should be, brought out the first revolving disc harrow (see Fig. 3). This had spindles furnished with revolving sharp-edged steel discs, which were not only placed at an angle with the line of draft, but at an angle vertically, thus exerting a turning effect upon the soil, and throwing it up in small ridges; stirring and

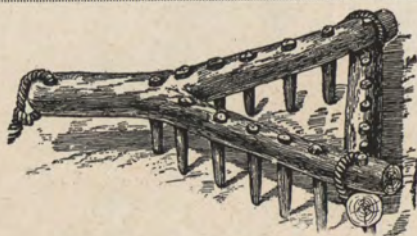


Fig. 2.—The First Improvement—The Cross Bar Harrow

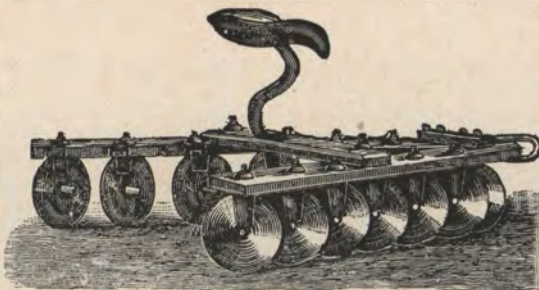


Fig. 3.—The Original Disc Harrow

pulverizing it without tearing up the sod or manure or bringing up stones or clods to the extent that the tooth harrows do. This was a still nearer approach to what a harrow should be; but the inventor, being a practical farmer, saw its defects and had the courage, rare among inventors, to acknowledge that he had not reached harrow perfection. This disc harrow was the original from which several others were copied, embodying all the best features of the present day discs. **The objections were a ridging up of the surface from the action of the discs working the surface soil from each side of the harrow, either inward or outward, when the discs are placed in gangs on each side; and an imperfect working of the surface because of the impossibility of covering it all between the discs.**

Taught by his large experience as farmer, inventor and manufacturer, Mr. Nishwitz perfected the "ACME" Harrow. The "ACME" proved so successful that it has become the basis of a great industry. It is indeed, the ideal Harrow, Clod Crusher, Leveler and Pulverizer.

The "ACME" is well-named, for the word "ACME" comes from a Latin word meaning the very top or highest point. The "ACME" is the crowning achievement of harrow construction.

Harrowing is the most important part of the soil preparation for crops. No one can afford to slight the work of harrowing and thorough fitting of the soil is an easy matter if you use an "ACME." A little study of this efficient tool will show you why—it cuts, slices, crushes, pulverizes and levels at one operation.

"ACME" efficiency is made possible by the wonderful coulter. (Fully described on page 6). The flat front ends of the coulters crush clods, firm the soil and eliminate air spaces. Each blade, also turns a tiny furrow pulverizing the soil and leaving a loose mulch at the surface. Crushing spurs, one between each pair of coulters, assist in the breaking of lumps and in making a PERFECT SEED BED. Try "The 'ACME' Way to Crops that Pay."

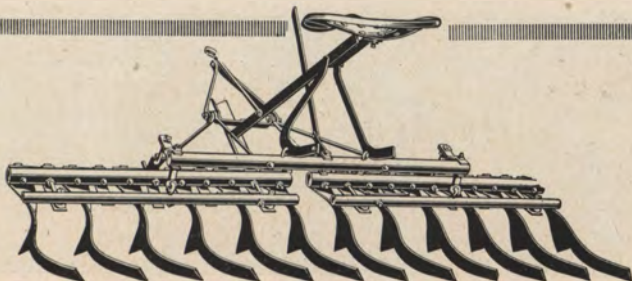


Fig. 4.—The Highest Development of the Harrow—The "ACME" Harrow



Fig. 1.—Furrow Slices on New Plowed Soil Before “ACME” Harrowing

Why “ACME” Harrows Bring Increased Crops

The thinking farmer of to-day knows that he must study the “why” as well as the “how” of tillage. He needs first of all, to know something of the growth habits of his crop plants.

Prof. King, in his excellent book, “The Soil,” explains just what should be accomplished by plowing and harrowing.

- 1.—Develop and maintain a suitable home for the root systems of the crop plant.
- 2.—Increase the soil humus by thoroughly working in organic matter. This favors the growth of soil “yeast” and increases the ability of the soil to hold water.
- 3.—Control the amount and movement of soil moisture.
- 4.—Provide an abundance of air for the use of the plant roots.
- 5.—Preserve plant food and moisture by destroying the weeds.
- 6.—Prevent soil loss through surface washing.

Let us take up the making of a seed bed for a corn crop. Figure 1 shows the furrows just as left by the plow. There are air-spaces between the furrow slices. The whole mass is firmly bound together by the roots of the sod. It would soon dry out if left in this condition.

Figure 2 shows the soil after being worked once over with an “ACME” PULVERIZING HARROW. The air spaces have been partially filled, the entire surface has been loosened and the under

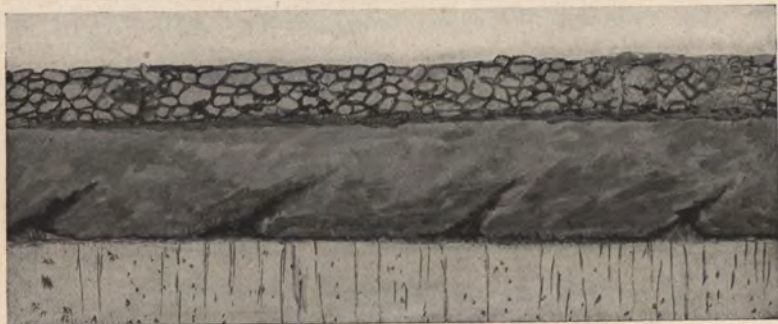


Fig. 2.—Plowed Ground Partly Worked Down with the “ACME” Harrow

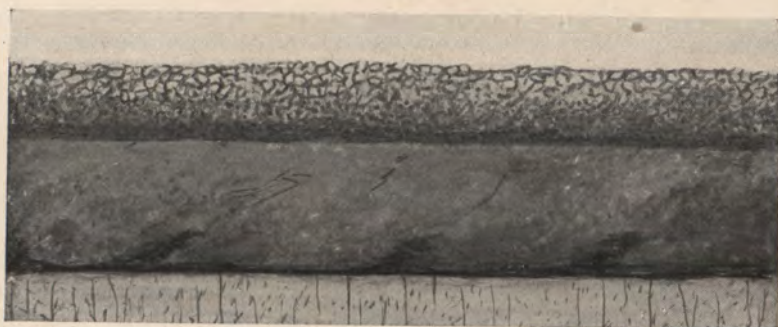


Fig. 3

Air Spaces and Voids Worked Out and the Capillary Action Restored through Medium of All Plowed Depth Compact and in Perfect Contact with Under Soil

soil partially pulverized and compacted. The long curving blades of this excellent tool are well adapted for fitting corn ground. The flat front end crushes clods and lumps, compacting the whole plowed depth. Between each pair of blades or coulters is a spur which still further aids in the complete pulverization of the soil.

The condition of the soil after a second passage of the Harrow is shown in Figure 3. The spaces between the furrow slices have nearly disappeared. The "ACME" Harrow rides over plowed sod, presses it down and compacts it firmly. Plowed under manure has been thoroughly mixed into the soil, the lumps have been broken into small pieces, and the entire surface left smooth and level. This ground might be planted without further fitting and a fair crop secured.

But, the careful farmer will not be satisfied until he has prepared a PERFECT SEED BED. Such a seed bed is shown in Figure 4. The lumps have been reduced to granules. The whole surface has been worked to a good depth. The deeper soil has been made hard and firm.

In such a home the seeds have the best possible chance to sprout and grow. The air can enter the loose mellow soil. The soil moisture can rise from beneath because the soil has been made firm, and the air-spaces worked out. A seedbed like this is within reach of every careful farmer, since "ACME" Pulverizing Harrows are moderate in price, and will last for many years paying for themselves each year in the increased crops.

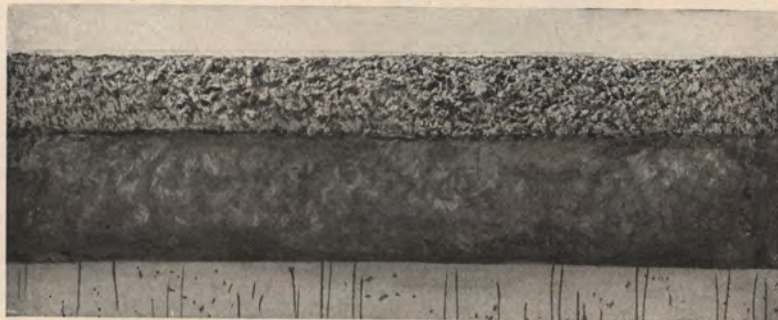


Fig. 4.—A Perfect Seedbed Prepared with "ACME" Harrow. Compact, Pulverized Soil Below Seeding Depth and a Perfect Mulch Above

The Coulter That Does the Work

The standard coulters of the "ACME" Harrow are of a shape and form to give results in soil cultivation that cannot be obtained by the working parts of harrows of other forms. In the working position they have a slope towards the rear, that is, the front end of the coulter is off the ground, while the rear is in the ground; this angular position to the ground with its easy curves, makes the coulters present the least resistance to the soil being worked, and makes the harrow of very light draft. The steel used in the "ACME" coulters is of a special shape made only for them, with the cutting edges of each coulter ground sharp so as to cut clods or lumps, sod, stubble or stable manure that has been plowed under.

The shape of the coulters insures thorough pulverizing of the soil. The flat front end crushes clods and lumps, compacting the whole plowed depth and eliminating all air spaces. The left and right bends turn, cut and still further pulverize the soil that has been compacted by the front ends. The crushing spurs, one between each coulter on the "ACME" Harrow, act in the same manner as the flat front end of the coulter to crush clods and lumps, still further aiding in the complete pulverizing of the soil.

"KNOW OF NO BETTER HARROW"

BAKER, OREGON.

DEAR SIRs:—I have used your "ACME" Pulverizing Harrow in Michigan, Montana and Washington and have been telling a friend of mine what a fine tool it is for putting the ground in shape for seeding. I know of no better harrow for use in the soils here than the "ACME."

Respectfully,

E. E. McALLASTER.

"EFFECTIVE IN CHECKING WEED GROWTH"

VIRGIL, ONTARIO.

GENTLEMEN:—I have used the "ACME" Harrow for many years and I find it to be very effective in checking weed growth and keeping the soil mellow on the surface. With these and other good qualities I find it light and in no way distressing on the horses.

Yours truly,

WILLIAM HISCOTT.



This is the Coulter that Does the Work.
Note the Easy Curves

Each Coulter Plows a Little Furrow
Completely Turning the Soil Twice
and Thoroughly Pulverizing it.

The Over-Lapping "XL" Coulters

Below are shown the coulters of the "XL" Series "ACME" Harrow which are longer and have more flare than the regular pattern. This illustrates nicely the principle upon which the coulters work. The extra length and flare of the blades give a harrow that fills a long-felt want in localities where summer fallowing is practiced and where wild oats, grasses and other weed pests are being persistently fought by the progressive farmer. Note from the vertical lines the coulters overlap each other, causing the entire surface of the ground to be cut over when worked with the "XL" Series "ACME" Harrow. This style of harrow will cut all small weed roots in fallow ground, and is the only harrow that will do this important work. It is light in weight, hence light in draft.

Used as a weeder in small weed growth, the coulters cut the roots, and, due to the turning action on the soil, all roots are exposed to the sun and air where they are dried up, and effectively killed. There are no uncut strips left, where weed growth is thick, as with other styles of harrows and cultivators.

THE "XL" SERIES "ACME" HARROW is also invaluable in the orchard as a summer tillage tool. It works fast, gets every weed and is light in draft. Turns every bit of the soil, leaving a nice, loose mulch at the surface which conserves the moisture. An "XL" SERIES "ACME" HARROW will keep your orchard as clean as a kitchen floor, and make possible large handsome fruit—the kind that grades "fancy."

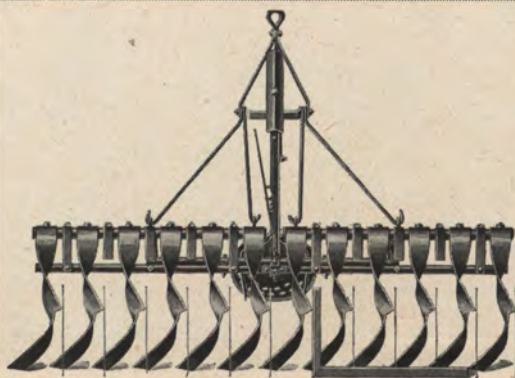
"BEST ALL 'ROUND HARROW"

WAUKON, WASH.

DEAR SIR:—The "ACME" XL Harrow I purchased last spring has given me perfect satisfaction. Have used it on all kinds of soil and find it to be one of the best all around harrows I have ever used. It is a valuable machine for destroying weeds on summer fallow and preserving moisture, also for making a good seedbed in the spring, as it puts the soil in excellent condition.

Yours very truly,

FRED HEINEMAN.



Bottom View, "XL" Series "ACME" Harrow, Showing Over-Lapping Coulters

Experiment Station Heads Praise the "ACME"

The last twenty-five years have been marked by great forward steps in farm practice. But almost every important improvement has been first worked out by trained investigators in the U. S. Department of Agriculture, and at the Experiment Stations. The most progressive farmers are following with keen interest the work of the government experts. They realize its direct practical value.

These men are paid by the State from your tax money. They are honest, able men searching for better methods in farm practice. No pains are spared to make their investigations fair, thorough and practical. You can "bank" on their findings. And your success as a farmer will be enhanced by applying upon your own farm the methods discovered by these experts.

The "ACME" Pulverizing Harrow has been thoroughly tested by Experiment Stations in every section of the country. In the glacial loams of the North, in the sand plains of Florida, and in the arid lands of the far West, the "ACME" has given the best of satisfaction. For preserving moisture by summer fallowing, for orchard tillage, and for making PERFECT SEEDBEDS, the "ACME" has proved equally successful.

"IT DOES THE WORK WELL"

THE NEW YORK STATE SCHOOL OF AGRICULTURE, AT MORRISVILLE, N. Y.

With reference to the "ACME" Harrow, I can say that we have found it very effective for crushing clods, breaking up lumps, and leveling off the surface of the soil. It does the work well. We have found it particularly valuable for finishing a seed bed for wheat and oats and where grass seed is to be sown at the same time or later. It compacts the soil well below and leaves it quite loose on top.

J. F. EASTMAN, *Agronomist.*



"ACME" Harrow at Iowa State Agricultural College, Ames, Ia.

"THOROUGHLY EFFICIENT"

The "ACME" Pulverizing Harrow which you sent to me last spring has been in every way satisfactory for the work desired of it. I have used it for the final fitting of the soil before planting and have found it thoroughly efficient. Farm located at Storrs, Conn.

L. A. CLINTON,
Agriculturist in charge of
North Atlantic Division.

"A MOST EXCELLENT IMPLEMENT"

We consider the "ACME" a most excellent implement for use on any farm conducted under dry farming conditions. I know of no implement that better provides a dust mulch after irrigation in orchards or other places, where a crop is not growing.

W. L. CARLYLE, *Director*.
Agricultural Experiment Station, Moscow, Idaho.

"RECOMMEND IT UNHESITATINGLY"

We have used the "ACME" Harrow experimentally, and we can unhesitatingly say that it does good work in preparing a seedbed during the spring and in keeping summer fallow in good condition during the fallowing season.

We have no criticism to make of your harrow, but we do find it necessary to criticise some of the people who operate these harrows, due to the fact that they make no effort to keep the coulter sharp. We find that your implement as well as other farm implements must be kept sharp if it is to do the best of work.

We contemplate the running of a Better Farming Special train. I expect to carry your "ACME" Harrow upon this train and, of course, will recommend it unhesitatingly.

H. B. BONEBRIGHT.
Experiment Station, Bozeman, Montana.



Kentucky Experiment Station's Perfect Seedbed Made with an "ACME" Harrow

"WE USE IT CONSTANTLY"

I wish to highly recommend the use of the "ACME" Pulverizing Harrow and especially on land free from trash, such as weeds or corn stalks. It is the most efficient tool I have ever seen and we use it constantly in the spring preparing the plants for different crops. We also used it on our ten-acre field of seed corn with good results. We use it after plowing to break up the clods and also to level the land.

A. N. HOBSON, *Ass't in Agronomy.*

Virginia Experiment Station, Blacksburg, Virginia.

"PULVERIZES BLUE GRASS SOIL VERY THOROUGHLY"

The "ACME" Harrow has been used at frequent intervals in our orchard and general farm work, and its work has greatly pleased us. It pulverizes our Blue Grass soil very thoroughly, and where there is considerable growth of weeds, it quickly reduces the entire mass to a fine condition. We should not want to be without it.

C. W. MATTHEWS.

Experiment Station, Lexington, Kentucky.

"USE IT IN CUTTING CLODDY SOIL"

In regard to the "ACME" Pulverizing Harrow, which you sent to our Station some time since, I beg to say that the implement gives satisfaction. We use it in cutting cloddy soil and in freshening the surface after rains. Our soil is sandy and sandy loam and for the above kind of work the harrow gives us excellent results.

E. F. CAUTHEN, *Associate Agriculturist.*

Experiment Station, Auburn, Alabama.



Wise Truckers Use the "ACME" Harrow

"IT DOES THOROUGH WORK"

In regard to the work of the "ACME" Harrow, will say that we have been using this harrow every opportunity we have had since it has been received and the work that this tool has done for us has been entirely satisfactory. The character of the soil in which it has been used is known here in Florida as pine land, that is, a sandy loam.

We consider the "ACME" Harrow one of the best tools for preparing a good seed bed that we have ever used. It does thorough work and leaves the seed bed in first-class condition to receive the seed. It is also an excellent implement for destroying weeds, especially on our sandy soil where we get an early growth of weeds in the spring. We have used this harrow to prepare land for the planting of practically all farm crops.

You should have no hesitancy in advising your patrons to use the harrow on all kinds of land when it is in the proper condition for cultivation.

JOHN M. SCOTT, *Ass't Director.*

Agricultural Experiment Station, Gainesville, Florida.

"USEFUL FOR COVERING SMALL GRAIN SOWN BROADCAST"

We have used your "ACME" Pulverizing Harrow to good advantage on this farm, the soil of which is mostly of a clay and sandy loam, especially on freshly plowed land for the conservation of moisture and as a useful implement for covering small grain that has been sown broadcast.

A. R. RUSSELL, *Supt. Farm.*

Agricultural Experiment Station, West Raleigh, North Carolina.

"WE WOULD NOT BE WITHOUT IT"

We have used your "ACME" Pulverizing Harrow in preparing ground for spring crops and also for fall crops, and like it very much. I think we have used it more than any other harrow that we have at the Station.

I have recommended it to a great many farmers who have seen it work and through the Farm Bulletin it has been brought to the attention, quite generally, of the farmers of the State. It is an excellent implement in every way, and we would not be without it on the experiment farm.

T. S. PARSONS.

Experiment Stations, Laramie, Wyoming.



Holland Farm, Dallas, Texas, Uses and Likes the "ACME" Harrow

What Farmers Say About the "ACME"

You have read in the preceding pages what the scientific men say of the "ACME" Pulverizing Harrow. We now present the testimony of practical farmers—keen, far-sighted men who are farming for profit. The "ACME" has proved itself the all-around tillage tool adapted to every soil and crop condition. Read what these men say—then determine to test the "ACME" on your own farm. You will soon wonder how you ever farmed without one.

RAISES BIG CROP WITH OLD "ACME"

CENTERVILLE, PA.

GENTLEMEN:—Last summer I raised an acre of corn that made the farmers around here open their eyes. One man told me it was the best piece in this part of the country. I fitted the ground with an "ACME" Harrow that my grandfather used and my father said was all worn out. This harrow had not been under shelter for at least ten years and was considered old junk.

Yours respectfully, J. R. CLARK.

"OUR BEAN CROP WENT 3 BUSHELS MORE TO THE ACRE"

DANSVILLE, N. Y.

GENTLEMEN:—We have used the "ACME" Harrow on our Nursery and Orchard farms here in the past year, and find it of great value.

Last spring we prepared with the "ACME" Harrow twenty acres for beans. We had just taken a crop of Nursery stock from the ground. The Harrow crushed the hard lumps that were in the field when the trees were removed, mellowed up and pulverized the ground thoroughly to the depth of from five to six inches, leveled the ground and made a perfect seedbed. Our bean crop in this particular field went three bushels more to the acre than in an adjoining field where we used our old farm drags and harrows, and as conditions of the ground were so nearly alike, both fields being cleared of trees last spring, and planted to beans with the same seed and given the same care and cultivation in every way, except the harrowing, we attributed the better crop in the one field to the better seedbed made by the "ACME" Harrow.

We have two of the harrows in operation now. One of them is the smaller size. We prefer the larger ones for our work. Kindly send us catalog with prices on the larger sizes.

Yours very truly, KING BROTHERS NURSERIES.



Maryland Experiment Station
College Park, Md.



Stevens Orchard Company
Nampa, Idaho

Read What the Potato King Says

The letter below is from Mr. Groves, Potato King of the Kaw Valley, Kansas. He has been using two "ACME" Harrows in fitting his soil for potatoes for the last ten years.

GENTLEMEN:—We regard the "ACME" Harrow as one of the best tools for preparing the ground for seeding. We have used the "ACME" for over ten years on our potato ground in the Kaw Valley and would not be without it, as we know of no other harrow that will put the ground in as perfect condition.

Yours truly,

J. G. GROVES & SON.

"IN USE OVER 25 YEARS"

OMAHA, NEBR.

GENTLEMEN:—Your harrow is the only implement that deserves the name of Harrow that we have ever used. My father, Mr. J. K. Rosenfield, the noted peony specialist, had one in use for over twenty-five years. No other machine would do what it would in the preparation of ground. We have used it as a road drag. Wishing you continued success, I beg to remain,

Yours very truly,

RENO ROSENFIELD.

"A VERITABLE SURPRISE"

OUVRY, ONTARIO.

GENTLEMEN:—The work that the "ACME" CAN do and DID do for me last May on a piece of TOUGH NEW SOD which had been broken the previous fall and on which I inadvertently let the grass get a good start in the spring, was a veritable surprise to me. The "ACME" slices off enough dirt to cover the grass and so finally killed it and although last season was known everywhere as an especially dry year, I had a magnificent crop of corn which averaged 141 1/3 bushels of ears per acre.

Yours very truly,

E. H. TOLL.



Harrison's Nurseries
Berlin, Maryland



Purdue Experiment Station
West Lafayette, Ind.

Size "G" Standard Cultivator

Size "G"—One-Horse Walking Harrow or Cultivator. Equipment: Six coulters, crushing spurs and handles. No seat is furnished with size "G." Width of cut, 3 feet 2 inches. Weight 62 pounds.

A handy tool on the truck or small fruit farm just right for row crops. On request we will furnish, without extra charge, the Size "G" Harrow with half the coulters turning to the right and half to the left.

"XL" G—One-Horse Walking Harrow weighs 65 pounds. Same as above but furnished with our special "XL" Coulters. (See page 7).

"MORE WORK AND BETTER WORK"

AMBERG, WIS.

GENTLEMEN:—I would like to have twelve coulters for my No. 23 "ACME" Pulverizing Harrow.

I can do more work and better work with the "ACME" Harrow than with any other harrow on the market.

Yours respectfully,

E. J. SCHNABLE.

"DOES ALL YOU CLAIM FOR IT"

SOURIS, P. E. I.

GENTLEMEN:—I have used the "ACME" for four years and I am by no means disappointed. The "ACME" does all you claim for it and I am using it alone now. I cannot speak too highly of the "ACME" and recommend it to anyone wanting a first-class harrow.

Yours truly,

D. H. MACDONALD.

"USED 'ACME' ON BUCK SHOT LAND"

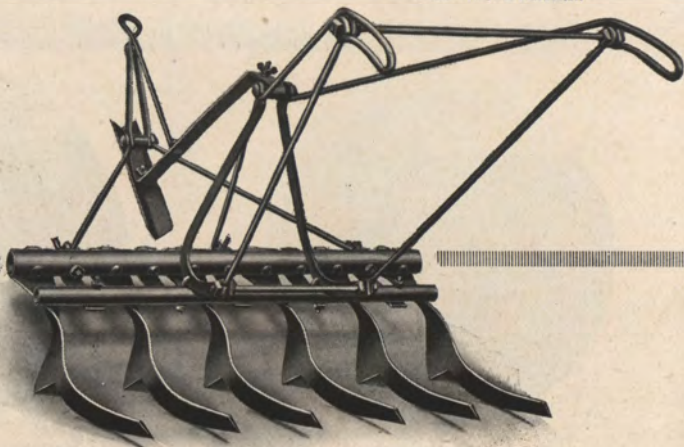
LAUREDALE, MISS.

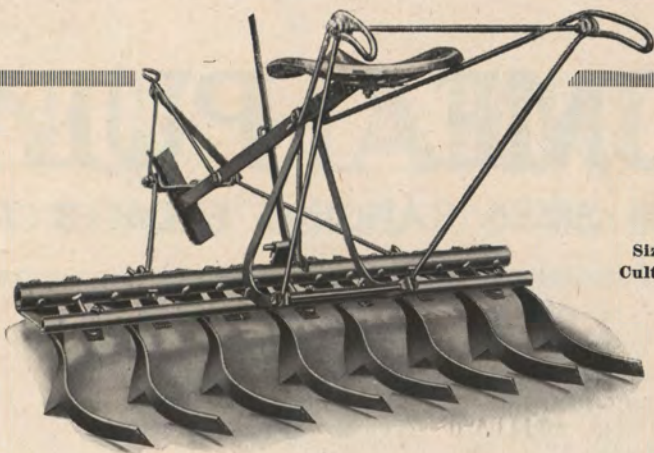
GENTLEMEN:—I used your "ACME" Harrow on a very rough piece of bottom land. The land had been plowed and hardened, clods were sometimes as long as 5 or 6 feet, held together by roots of a thick mat of carpet grass or Bermuda sod. I wanted to bed this land but could get no plow that would turn those clods. The land was what is called buck shot land, when plowed and dried it is almost impossible to penetrate it. I got your "ACME" from a nearby neighbor and harrowed only once. I did not have to wait for rain but bedded immediately with an ordinary turning plow.

Yours truly,

C. W. PARKER.

Size "G"
Standard Cultivator





Size "H"
Cultivator

Size "H" Cultivator

Size "H"—One-Horse Riding or Walking Harrow. Equipment: Eight coulters, crushing spurs, seat and handles. Width of cut, 4 feet 4 inches. Weight, 100 lbs.

On request we will furnish, **without extra charge**, the Size "H" "ACME" Harrow with half the coulters turning to the right, and half to the left. This equipment is especially desirable when cultivating berries or other row crops.

"XL" H—One-Horse Riding or Walking Harrow is equipped with our special "XL" coulters; cuts 4 feet 6 inches, and weighs 104 lbs. (See page 7).

For the small farmer or market gardener, the size "H" One-Horse Riding or Walking Harrow is indispensable. This harrow is constructed on the same principle as the larger sizes with the addition of handles to aid in turning in close quarters, and, being equipped with the same coulters and spurs, accomplishes the same superior work as the larger size harrows. Being small and light in weight, it is easily handled in the garden or on the truck farm.

"CERTAINLY THE BEST INVESTMENT"

CRYSTAL SPRINGS, FLA.

GENTLEMEN:—I received your "ACME" Harrow size "H" the other day and am very much surprised at the work it has done. This size H "ACME" Harrow is certainly the best investment I have made for some time in a farm tool.

Yours very truly,

MAX NEUBARTH.

ONE SET OF BLADES LASTS 12 YEARS

LAKE PARK, GA.

GENTLEMEN:—I bought an "ACME" Harrow from you twelve years ago and I need some new blades. I must say that I have never bought a piece of farm machinery that has given me as much satisfaction as has my "ACME" Pulverizing Harrow.

Yours very truly,

GEO. H. PERRY.

"ACME" PULVER

COMES IN SIZES RANGING FROM 3 TO 17½ FEET

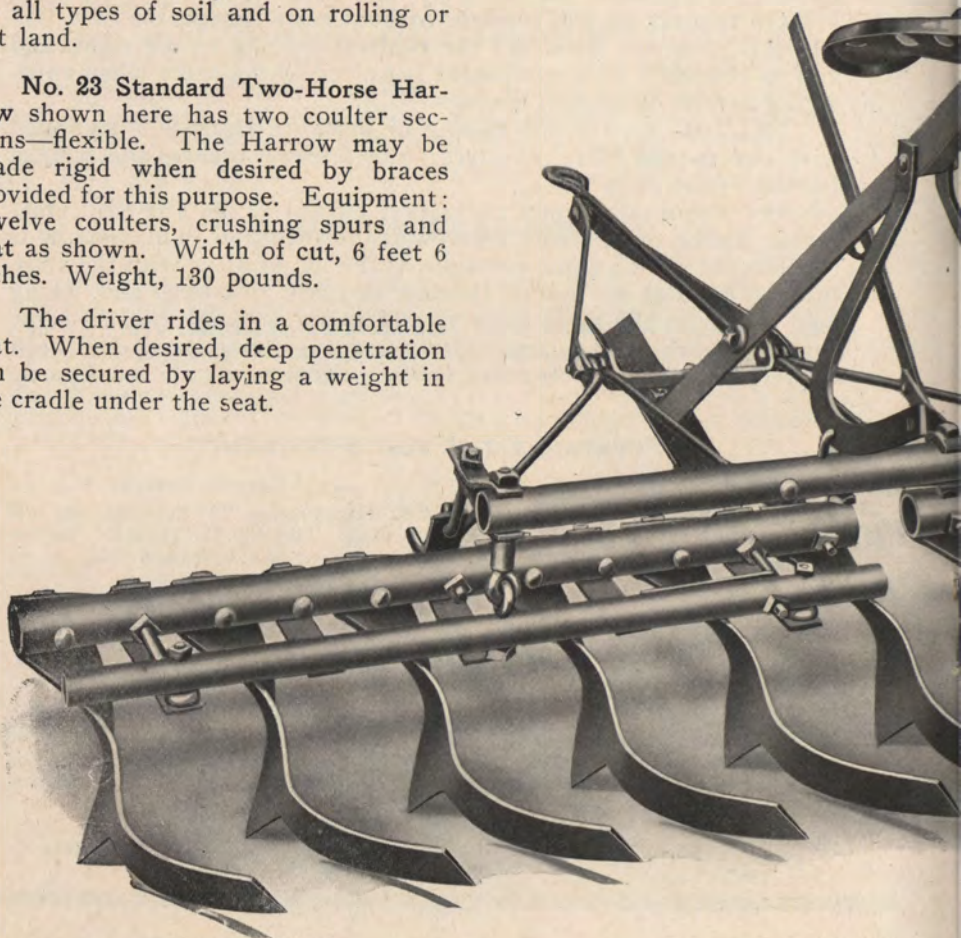
The same design and principles of construction are embodied in all sizes, because this design and operating principle has, after over thirty years of experiment and hard service, proved universally satisfactory.

The "ACME" cuts, crushes, levels, turns and smoothes at one operation. Makes a PERFECT SEEDBED, insuring a maximum yield. Works well on all types of soil and on rolling or flat land.

No. 23 Standard Two-Horse Harrow shown here has two coulter sections—flexible. The Harrow may be made rigid when desired by braces provided for this purpose. Equipment: Twelve coulters, crushing spurs and seat as shown. Width of cut, 6 feet 6 inches. Weight, 130 pounds.

The driver rides in a comfortable seat. When desired, deep penetration can be secured by laying a weight in the cradle under the seat.

No.



RIZING HARROW

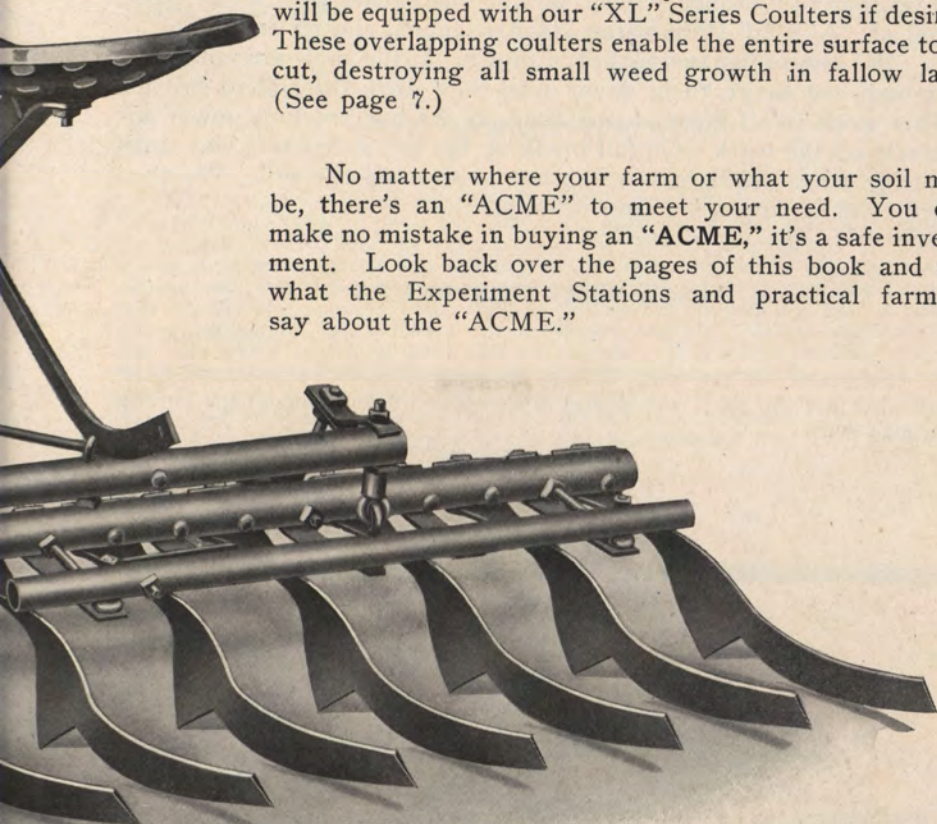
ET IN WIDTH, ONE HORSE TO FOUR HORSE

The "ACME" is constructed of iron and steel throughout—practically indestructible. Some are still in service after 30 years of usage. Nothing to wear out but the coulters and they are interchangeable.

23

"XL" Series Coulters—Any model of the "ACME" will be equipped with our "XL" Series Coulters if desired. These overlapping coulters enable the entire surface to be cut, destroying all small weed growth in fallow land. (See page 7.)

No matter where your farm or what your soil may be, there's an "ACME" to meet your need. You can make no mistake in buying an "ACME," it's a safe investment. Look back over the pages of this book and see what the Experiment Stations and practical farmers say about the "ACME."



1/2 FEET WIDE

No. 17 Standard Harrow

No. 17—Standard Rigid Frame Harrow, Two-Horse Size. Width of cut, 6 feet 6 inches. Weight, 115 lbs. Equipment: 12 coulters, crushing spurs and seat as shown.

"XL" 17—Two-Horse "ACME" Harrow, cuts 6 feet 8 inches. Weight, 121 lbs. Same as the above, but furnished with our special "XL" Coulters. (See page 7.)

Uses the "ACME" Almost Exclusively

Mr. C. E. Cook, Comanche, Yellowstone Co., Montana, has used the "ACME" Pulverizing Harrow on plowed ground almost exclusively for the last two years. He says, "We first break the sod from four to five inches deep, pulling the packer behind the plow, and an "ACME" Pulverizing Harrow behind the roller.

We aim to get two inches of mulch. If the tools are not heavy enough, we weigh them down until they work the soil to suit us. This work is all done at one time, as we use traction power for nearly all the work. On fall breaking the soil is left this way until spring, when we harrow so as not to turn up the soil. We then drill, and harrow again after drilling."

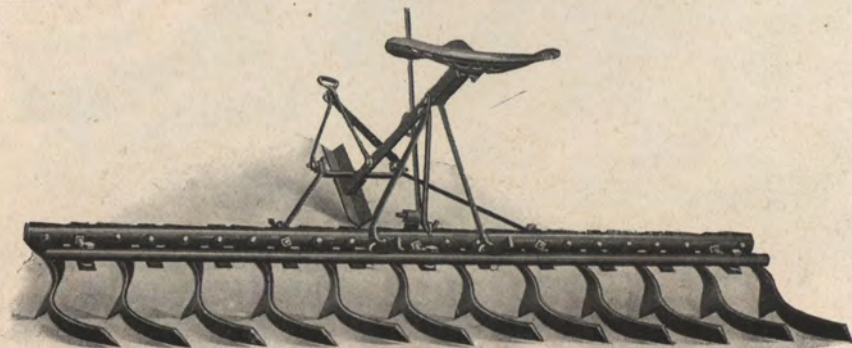
"KNOW WHAT THEY WILL DO"

WAYZATA, MINN.

GENTLEMEN:—I have used "ACME" tools myself in former years and know just what they will do. I will be glad to recommend them to any of the farmers in this county.

Sincerely yours,

K. A. KIRKPATRICK,
Co. Agt., U. S. D. A.



No. 17 Standard Harrow

No. 23 Standard Harrow

No. 23 Standard Two-Horse Harrow has two coulter sections, and is flexible. The harrow may be made rigid when desired by braces provided for this purpose. Equipment: Twelve coulters, crushing spurs and seat as shown. Width of cut, 6 feet 6 inches. Weight, 130 lbs.

"XL" 23—Two-Horse, cuts 6 feet 8 inches. Weight, 136 lbs. Same as above, but equipped with our "XL" Series Coulters. (See page 7).

"HAVE HAD EXCELLENT RESULTS"

BRETHENBRECK, WATERTOWN, ONT.

GENTLEMEN:—We have had excellent results with the "ACME" Pulverizing Harrow as well when used upon fresh plowed land as when employed in maintaining a dust mulch.

Yours very truly,

BRETHENBRECK ORCHARDS, LTD.

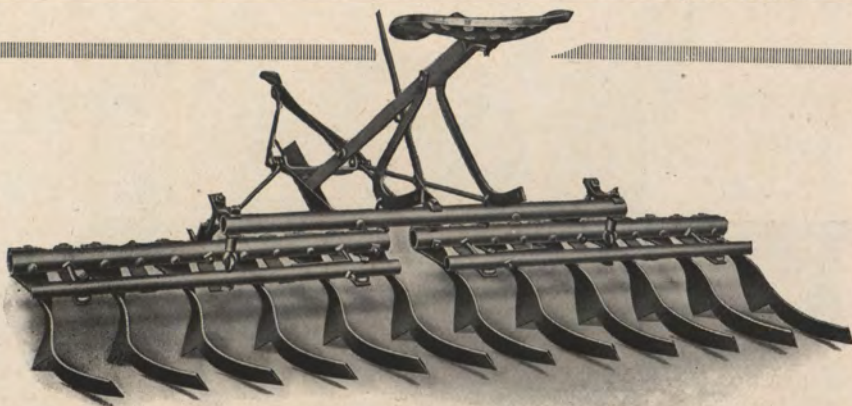
"NEVER SAW PRETTIER WORK"

Mt. OLIVE, MISS.

GENTLEMEN:—I have used your "ACME" something like six years. Have used different kinds of tools pulverizing my land, but I find nothing so satisfactory as the "ACME." I have a deep, clay subsoil; I break my land with three good mules, break and run harrow the same day so as to avoid clods drying out. I put the same team to your harrow and got on the seat and I never saw prettier work done. It puts the land in condition to plant any kind of seed. Have bedded my cotton land a few times and run the "ACME" right across the beds and it puts it in fine shape for planting. It is a fine tool for sowing oats. Break your land, sow oats, run twice over them, cross the last time—it puts your oats in the finest shape you ever saw. It not only puts your land in fine shape, but it saves time and labor. I can heartily recommend your "ACME" Harrow to my fellow farmers to give perfect satisfaction if they will follow the above instructions.

Yours very truly,

J. C. FLYNT.



No. 23 Standard Harrow

No. 26 Standard Harrow

No. 26—Large Two-Horse Harrow, has two coulter sections and is flexible. Although thirty pounds heavier than the No. 23, this harrow is easily handled by two horses in light soil. Equipment: Sixteen coulters, crushing spurs and seat as shown. Width of cut, 8 feet 6 inches. Weight, 160 lbs.

"XL" 26—Large Two-Horse Harrow, cuts 8 feet 8 inches. Weight, 168 lbs. Same as above, but equipped with our "XL" Series Coulters. (See page 7).

Specially Adapted for Summer Fallowing. On light soils the large Two-Horse Harrow No. 26 can be used with equally as good results as the No. 23. It is particularly adapted to those sections where summer fallowing is done. With this size, as well as other sizes of the "ACME" Harrow, the perfect surface mulch is obtained. The weed growth is kept down, while the surface of the soil is constantly stirred, conserving the moisture, and insuring a double quantity of moisture during the succeeding growing season.

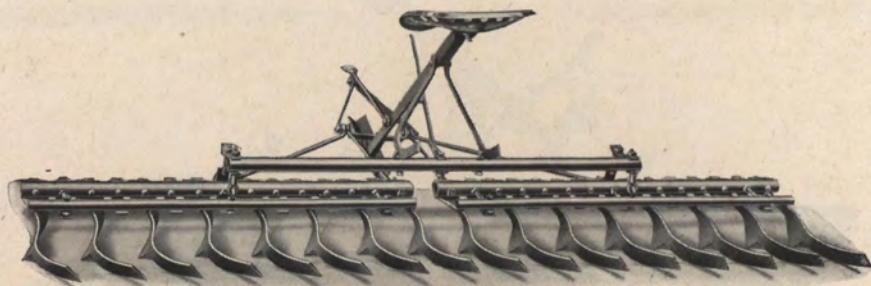
"USED THEM FOR 20 YEARS"

ST. JOSEPH, MICH.

GENTLEMEN:—I can cheerfully recommend your "ACME" Pulverizing Harrow. Having used them for 20 years both in orchard and vineyard, I can truly say the "ACME" is the best cultivator on the market. I have seen a large number of them hereabouts and I have never heard a word of complaint. The "ACME" ALWAYS GIVES PERFECT SATISFACTION.

Sincerely,

GEORGE OLSEN.



No. 26 Standard Harrow

"ESTABLISHES AN IDEAL MULCH"

GENTLEMEN:—The "ACME" Pulverizing Harrow has been in use for the past two or three seasons by the Horticultural Department. It has been used principally in harrowing orchards and putting the final preparation on soil for the planting of tomatoes, Irish potatoes, and other garden truck. I do not know of any other tool that will exactly answer the purpose of the "ACME" Pulverizing Harrow. It establishes an ideal mulch and gives us first-class service in every way. I do not see how we could do without this harrow. Our soil is light sandy to sandy loam.

Yours truly,

E. J. KYLE.

Agricultural College of Texas, College Stations, Texas.

"AM VERY MUCH PLEASED WITH IT"

KINSELLA, ALBERTA, CANADA.

DEAR SIR:—You will be interested to hear that I have purchased one of your "ACME" Pulverizing Harrows No. 26 this spring and am very much pleased with it. No. 26 does excellent work on new breaking, and I am looking forward to trying it on my summer fallow. This is the first "ACME" Harrow to be used in this District and has attracted interest among my neighbors, several of whom are very anxious to buy them. I am sure that the "ACME" Harrow will have a very large sale out here in the West.

Yours very truly,

JOHN B. WHALLEY.

"AS GOOD AS AN IRRIGATING PLANT"

WINTER HAVEN, FLA.

DEAR SIR:—I know enough about the citrus fruit business to tell you that if I had to do without most of my farm tools, I would hang on to the "ACME" Harrow to the last, as I deem it the most serviceable tool for the business that I own. It is as good as an irrigating plant in dry weather, and even now, I am running one over my grove every week or ten days. Right now it is very dry and we need to keep the soil stirred so as to conserve our moisture and am using the "ACME" Harrow.

Yours very sincerely,

GEO. E. KOPLIN.



Preparing Strawberry Plant Beds at W. F. Allen's Nursery, Salisbury, Md.

No. 24

No. 24—Standard Four-Horse Harrow consists of two No. 23 Harrows coupled together. When desired, they may be uncoupled and each section used separately as a two-horse Harrow. Equipment: Twenty-four coulters, crushing spurs, seat and Coupling No. 24 as shown. Width of cut, 13 ft. 6 ins. Weight, 300 lbs.

"XL" 24—Four-Horse Harrow, cuts 13 ft. 8 ins. Weight, 312 lbs. Equipped with our special "XL" Coulters (see page 7), otherwise the same as the above.

IN DRY or SEMI-ARID REGIONS the SECRET of SUCCESS is the CONSERVATION OF MOISTURE. The plowed soil must be packed beneath the surface and all air spaces between the furrows eliminated, while the top soil is left mulched and in condition to attract and conserve the moisture coming from the earth and the atmosphere. With the mulched surface and the compacted lower soil depth, as produced by the "ACME," the ideal

condition for conservation and availability of soil moisture is obtained.

"COVERED ALL THE SEED EVENLY"

DEAR SIR:—I recently purchased a No. 24 "ACME" Harrow and used it on a field that was covered with Johnson Grass, after plowing. The "ACME" put this field in fine shape.

I then sowed the field broadcast to oats, harrowed the seed in with the same harrow and got a first-class stand. The "ACME" absolutely covered all the seed evenly and placed it at the right depth—something impossible with any other harrow.

I consider the "ACME" Harrow one of the best general purpose tools ever made and I would not try to farm without one.

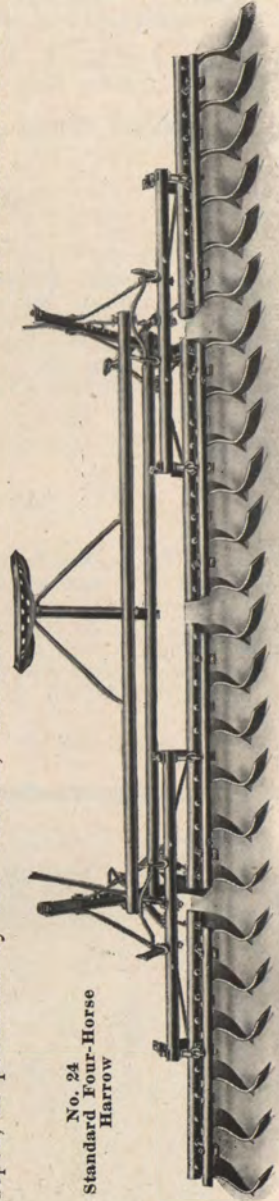
Yours very truly,
J. W. SIMPKINS.

"COULD NOT GET ALONG WITHOUT IT"

KINGSTON, PA.

DEAR SIR:—We purchased a number 24 "ACME" Pulverizing Harrow from your dealer here this spring. It is doing fine work. We could not get along without it.

Yours very truly,
G. R. MURDOCK & SONS.



No. 24
Standard Four-Horse
Harrow

No. 27—Large Four-Horse Harrow, consists of two No. 26 Harrows coupled together. When desired they may be uncoupled and each section used separately as a large two-horse Harrow. Equipment: Thirty-two coulters, crushing spurs, seat and Coupling No. 27 as shown. Width of cut, 17 ft. 6 ins. Weight, 370 lbs.

Many farmers desire a fast working harrow that will cover a big acreage and do it thoroughly without "lugging" the team. Such farmers will find in our No. 27 just the tool they have been looking for. Besides the driver rides comfortably on a spring seat—no more tramping weary miles over soft ground.

"XL" 27—Large Four-Horse Harrow, cuts 17 ft. 8 ins. Weight, 386 lbs. Equipped with our special "XL" Series Coulters (see page 7), otherwise the same as the above.

No. 27
Standard Four-Horse
Harrow



"PULVERIZES THE GROUND IN FIRST CLASS SHAPE"

MENOMONIE, WISC.

DEAR SIR:—I purchased a No. 27 "ACME" Harrow from your dealers at Menomonie this spring. I have used this Harrow on my 130 acres of corn ground and find that it pulverizes the ground in first-class shape and am very much pleased with the "ACME."

Yours very truly,

J. C. FLYNT.

"ALL AND MORE THAN EXPECTED"

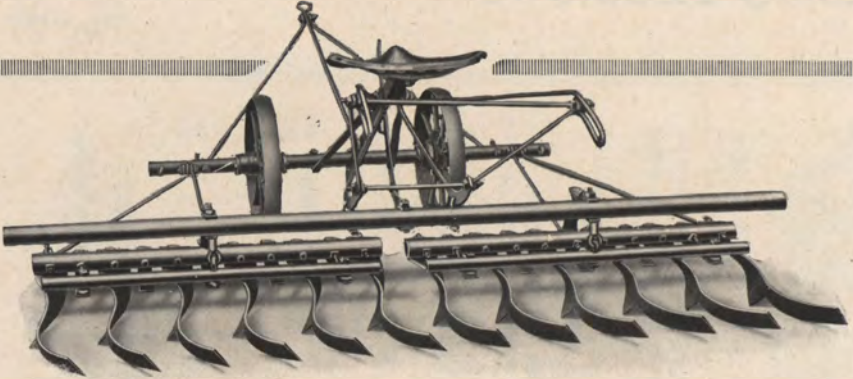
WOLF POINT, MONT.

DEAR SIR:—I ordered a No. 27 "ACME" Pulverizing Harrow from your Minneapolis representatives, have received it and tried it, and find it all and more than I expected. I have used the No. 27 "ACME" on about one hundred acres.

Yours respectfully,

J. L. KIMMEL.

COMBINED HARROWS AND



No. 25 As a Harrow

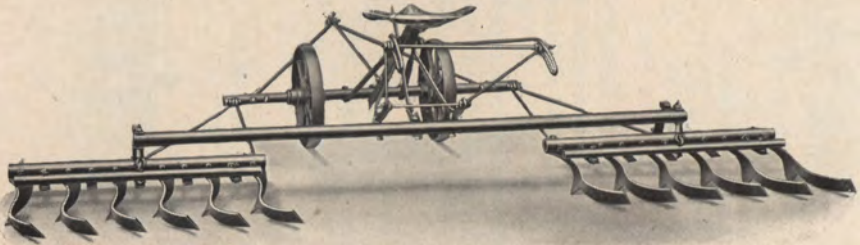
No. 25 Standard Combined Harrow and Orchard Cultivator has two coulters, and is flexible; equipment, 12 coulters, crushing spurs, seat, wheels and handles as shown; weight, 190 lbs.

On the No. 25 Standard Combined Harrow and Orchard Cultivator, the two coulters are attached to the ends of the spanner, leaving a vacant space in the center. These are adjustable, and when attached to the extreme ends of the spanner, the width of spread is 9 feet 6 inches. On the return trip, one section cuts the middle space, the other cutting outside, thus in two passages the soil will be cultivated 13 feet wide. If the sections are attached to the next inner holes of the spanner, the ground will be prepared 12 feet wide in two passages.

When trees are more than 14 feet apart, make more passages, but whatever the width between the trees may be, one end of the cultivator can be run under the limbs, and near the trunks of the trees, with the horses clear of the branches.

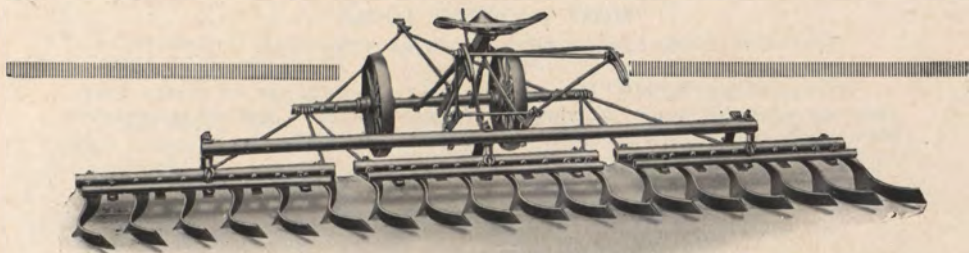
When the coulters are set close together as illustrated above, this tool cuts 6 feet 6 inches wide, same as the No. 23 Standard Harrow.

"XL" 25—Combined Harrow and Orchard Cultivator, Extension Model is the same as above, but is equipped with our "XL" Series Coulters. (See page 7). Weight, 196 lbs.



No. 25 As an Orchard Cultivator

ORCHARD CULTIVATORS



No. 25 Special "ACME" Harrow

No. 25 Special Acme Harrow

No. 25 Center Section: is a six coulters section, the same size as the two coulters sections regularly furnished on the No. 25 Harrow, to be placed between the outer sections of the No. 25 Harrow, making:

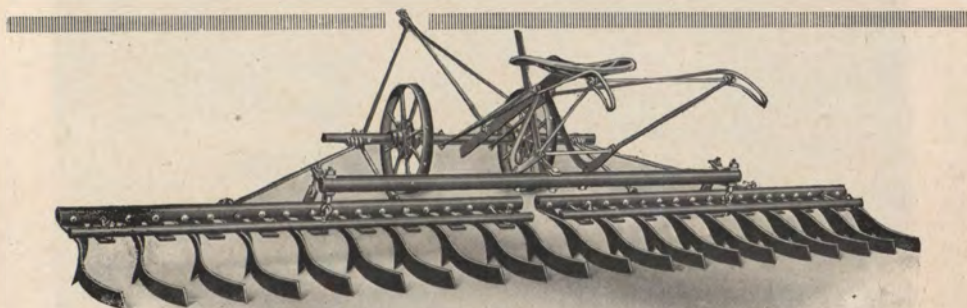
No. 25S Standard—This being the No. 25 Special Harrow and Orchard Cultivator. Equipment: Eighteen coulters, and otherwise the same as the No. 25. Width of cut, 9 feet 6 inches. Weight, 236 lbs.

"XL" 25S—Three-Horse Special Harrow and Orchard Cultivator, cuts 9 feet 8 inches. Weight, 251 lbs. Equipped with our Special "XL" Coulters (see page 7), otherwise the same as No. 25S.

Convenience of handling, and popularity with orchardists of the No. 25 Harrow and Orchard Cultivator created a demand for a wider orchard cultivator that could also be used as a general purpose harrow. The "ACME" Pulverizing Harrow No. 28, made up of two wide flexible sections, working a complete width of 10 feet 4 inches, meets this demand.

No. 28 Standard—Three-Horse Harrow and Orchard Cultivator, is constructed similarly to the No. 25. Equipment: 20 coulters, crushing spurs, seat, wheels and handles. Width of cut, 10 feet 4 inches. Weight, 240 lbs.

"XL" 28—Three-Horse Harrow and Cultivator. Cut, 10 feet 6 inches. Weight, 255 lbs. Equipped with our Special "XL" Coulters (See page 7), otherwise, the same as No. 28.



No. 28 Harrow and Orchard Cultivator

"MOST EFFICIENT TOOLS"

NEW YORK STATE COLLEGE OF AGRICULTURE AT CORNELL UNIVERSITY

ITHACA, N. Y.

We have three "ACME" Harrows which have been in use for several years. They are most efficient tools where an exceptionally fine seedbed is required. We also use the "ACME" for preparing experimental plats.

Yours truly,

L. H. MOULTON, *Farm Superintendent.*

"COULD NOT FARM WITHOUT IT"

DUNCAN, ARIZONA.

DEAR SIRs:—When I bought my farm twenty-three years ago, an "ACME" went with it. About eleven years ago, I sent to you and got another one. This last one is pretty old, and I think I will have to have a new one this spring. A new one, I feel, would do better work than the old one with its worn out coulter. I could not farm without the "ACME." Please send me your prices and latest catalog.

Yours truly,

J. E. CASPER

"WOULD NOT BE WITHOUT ONE"

ALVORD, TEXAS.

GENTLEMEN:—Recently I purchased a No. 24 four-horse "ACME" Pulverizing Harrow working $13\frac{1}{2}$ feet wide. This harrow I used on a field that had been plowed and which was covered with Johnson grass. After going over it with the "ACME" the field was in fine shape for seeding.

Then I sowed the field broadcast to oats, harrowing the seed in with the same "ACME" Harrow and got a first-class stand; the "ACME" absolutely covered all the seed, placing it at the right depth, something impossible with any other harrow.

I consider the "ACME" one of the best general purpose tools made and would not be without one.

Yours very truly, J. W. SIMPKINS.

"BEST TOOL ON THE FARM"

RELTYS, TEXAS.

DEAR SIRs:—I am using one of your Two-horse "ACME" Harrows and consider it the best tool on the farm and I feel that I am a competent judge of harrows. The "ACME" is good on any kind of ground and is the best in the world for Texas ground. Where there is a sandy loam the "ACME" almost takes the place of a plow and harrow both.

Yours very truly, EDWARD ALEXANDER.



The "ACME" at Work in Geo. E. Koplin's Citrus Grove, Winter Haven, Fla.

"IN CONSTANT USE FOR 25 YEARS"

COVINGTON, TENN.

DEAR SIRs:—Being an old customer and user of your "ACME" Harrow which I have had in constant use for some 25 years, and the same having worn out several sets of coulters, I now want to get your prices on all sizes and the styles that you are making.

I would like to have your catalog and prices as soon as possible because I need an "ACME" Pulverizing Harrow every day in my farm work.

Yours very truly,

W. A. JAMESON.

"GREATEST HARROW ON EARTH"

LITCHFIELD, MICH.

DEAR SIRs:—This spring I take charge of my farm myself and will use the "ACME" Harrow for what it is adapted. I think it is the greatest harrow on earth. I have not much clay or lumpy soil but know it will cut and pulverize lumps. My land is between sand and clay on a loam soil and this harrow puts it in the finest kind of tilth. The draft is very light for the work it does.

Yours very truly,

D. CRONK.

"A COMPLETE TOOL"

MONTOURSVILLE, PA.

DEAR SIRs:—Last summer I was working for a trucker and I used the "ACME" Pulverizing Harrow to pulverize a lumpy piece of ground on which to plant cabbage. We borrowed this harrow from a neighbor. After using it on this ground I considered it a complete tool. If I had not had this "ACME" Harrow I would have had to harrow this piece of land six and some of it seven times; but going over it once with the "ACME" Harrow put it in better shape than seven times with a Spike Tooth.

I shall very shortly go on a farm of my own and want one of your "ACMES"

Yours very truly,

WILBUR A. SNYDER.



At Purdue, Indiana, University, the "ACME" is Used with Satisfaction

"WILL ERADICATE WEEDS"

BELLEVIEW, MARION CO., FLA.

GENTLEMEN:—We find that No. 23 "XL" Series Coulters do much better work than the original coulters which came with the harrow. Where the ground is clean this type of coulters does splendid work. It will eradicate weeds where they have not been allowed to go too long. For seed bed preparation this harrow with the new coulters is ideal. Our soil is a sandy loam.

Yours very truly,

BELLEVIEW PECAN GROVES,
A. C. DAVENPORT, *Mgr.*

"SPLENDID FOR HILLSIDE WORK"

WINDSOR LOCKS, CT.

DEAR SIR:—I consider the No. 23 "ACME" XL Series Harrow a most excellent tool, and for some uses superior to the Standard Type "ACME" Harrow. On wet soil the "XL" Harrow does splendid work, and on dry soil it cannot be beaten as a pulverizer for putting the soil in good condition.

Used on gravel land the XL "ACME" does its work excellently, and works the stones down into the bottom of the furrow, and it is a splendid tool for hillside work.

The overlap of the coulters does not hinder the work of the "XL" Harrow in working down plowed sod, for I find that in this work the harrow pulverizes and smooths the seedbed and makes entirely unnecessary the use of any other harrow.

After one full year's use of the "ACME" XL Series Harrow I would be willing to recommend it to any one desiring a good, all-around useful harrow.

Yours very truly,

B. W. MCAULEY.

"USED AN 'ACME' EVERY SPRING"

HUTCHINSON, KANSAS.

DEAR SIR:—In the last 14 years we have used "ACME" Harrows every spring in cultivating orchards. In fact, they have done the bulk of the orchard work. Wouldn't know just how to get along without them. With the ground in reasonably good condition in the early spring, the "ACME" is started and keeps the orchard in good condition till we cease cultivating for the season.

We like the "ACME" especially because it obviates the necessity of dragging heavy implements like gang plows, disc harrows, etc., around the orchard, and at the same time breaks up any crust which forms after heavy rains, and also holds in check or kills outright what weeds crop up. We also prefer it to such light implements as weeders because unless one can cultivate the orchards every few days these weeders cannot do the work. In a period of wet weather the weeds and grasses are bound to get a start and under such conditions the weeder simply does not do execution enough to kill said weeds.

In short, for orchard cultivation, under conditions, the "ACME" Harrow is by all odds the best implement we have ever seen or used. And we have tried orchard cultivators of one kind and another from nearly every section of the country, including Oregon and New York.

Yours very truly,

THE YAGGY PLANTATION,
By E. E. YAGGY.

"EXCELS ANYTHING I HAVE TRIED "

GREENVILLE, MISS.

GENTLEMEN:—I have been using your size "H" Harrow today; it excels anything I have tried. I want one to fit a row or bed for two horses to complete a row one trip. If you can make one for that you have got the tool for this country.

Yours very truly,

W. J. REID.

"SEE THE NEED OF AN 'ACME'"

CUYAHOGA FALLS, OHIO.

DEAR SIR:—I received your catalog and wish to ask you for your prices on one size "G" one-horse Cultivator and one No. 23 Standard Two-Horse Riding Harrow. Please give price for these two delivered at this station, or the No. 23 alone delivered.

I am well aware of the perfectness of the "ACME." My father used this harrow when I was a boy (30 years ago) and many was the day I rode the "ACME" and drove a team of oxen. I now see the need of an "ACME" to help put the ground in proper shape for planting.

Yours respectfully,

J. A. MILLER.

"COMPLETELY SATISFIED"

ARANDA DE DUERO, SPAIN.

DEAR SIR:—I am now in possession of and working four of your "ACME" Pulverizing Harrows. My soil is of several classes and different physical conditions, during the early part of the year and up to the beginning of May, the Harrow does excellent work, later than that it also does excellently on all soils that, on account of their texture and facility to prevent water to percolate readily, lose their excess water quickly. But as you know there are soils that in hot weather, when excessive rains occur, or are too damp to work, or in one day get too hard, in these soils are combined the work of the Disc Harrow with the "ACME" Harrow to get perfect results.

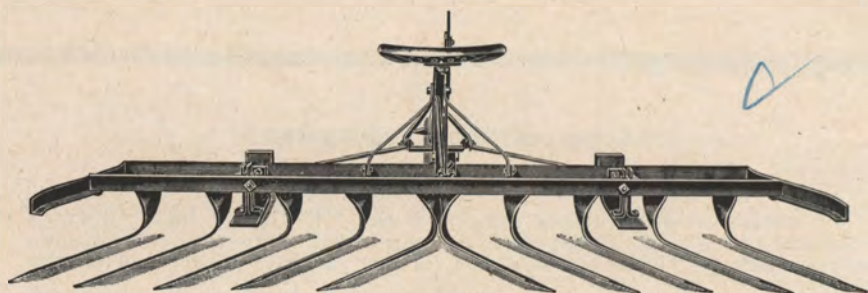
Where the soil is in good physical condition the work of the "ACME" Pulverizing Harrow is superior to any other harrow and makes the ideal, spongy mulch that no other harrow can make so effectively or economically; and also in the amount of land covered as well as in the tractive power employed it is unexcelled.

On summer fallow the "ACME" is essential, as otherwise when heavy rains occur it would be impossible to work a fine dust mulch without it in certain lands that in the space of a week are liable to get hard on the surface, after which no kind of a tool can economically, with the exception of the plow, put in good tilth again.

All I can say with reference to my dry farming land is that this is the first year that I have been completely satisfied as I know that at the first of October whether it rains much, little or none up to that date I will have my fields in condition to plant and my grain will all germinate.

Faithfully yours,

EVARISTO MONNE.



"ACME" Foot-Lift Weeder, 8-foot 6-inch Size; 10 Knives

"ACME" Foot-Lift Weeder and Cultivator

Every fruit grower needs a fast working, light draft tool for orchard tillage. The "ACME" Weeder is invaluable in the orchard as a mulcher and weed exterminator.

The "ACME" Foot-Lift Weeder is a riding weeder equipped with seat and foot-lift lever for raising the blades out of the ground to clear them of weeds, or when passing to and from the field. The runners may be adjusted to regulate the depth of cut of the blades. They also support the frame when the blades are raised. The main frame is of angle steel giving great strength and rigidity. The end pieces of the frame are so bent as to form guards which prevent the blades from striking the trees. The easy curve of these end pieces reduces the injury to the bark to a minimum in event of striking the trunk.

The blades are bent at the proper angle to present the least possible resistance to the ground being worked. This makes the draft light, and reduces the wear. The blades on all sizes are interchangeable.

The seat is adjustable so that the weight of the operator can be thrown forward or backward to suit the conditions of soil. It can be adjusted to bring foot-lift and ratchet within convenient reach of the operator.

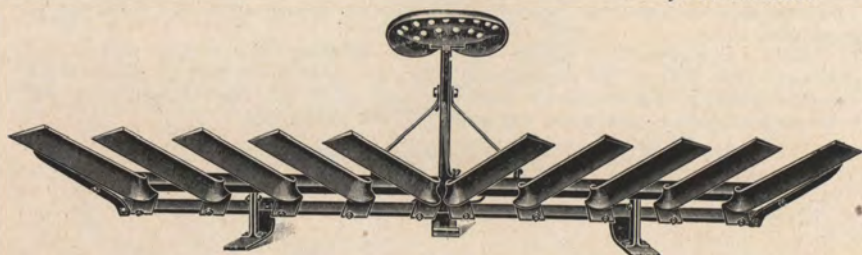
"MORE WORK AND LESS EXPENSE"

SUTHERLIN, OREGON.

GENTLEMEN:—I have used many other makes of weeders for orchard and field work, but find the "ACME" FOOT-LIFT WEEDER to be the most successful one of all. It will do more work with less expense than any other orchard tool I have ever used.

Yours very truly,

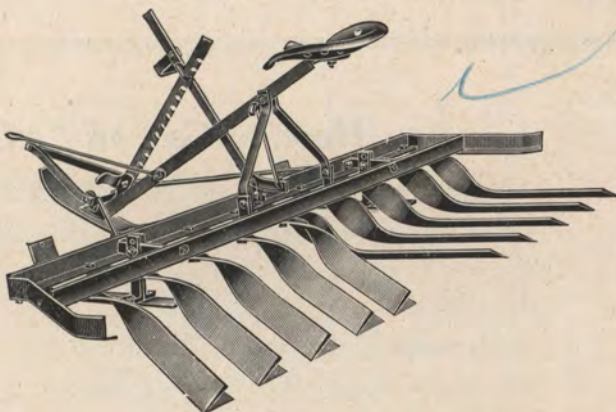
J. T. O'MARS.



Showing Knives Elevated by Foot-Lift for Clearance and Transportation

The "ACME" Foot-Lift Weeder
is Made in the Following Sizes:

No. 5—5 - ft. cut,	140 lbs.
No. 7—7 " "	165 "
No. 8—8½ " "	199 "
No. 10—10 " "	222 "
No. 12—12 " "	247 "



Edited by Users of "ACME" Foot-Lift Weeders

"IT CUTS THE WEEDS"

MOSIER, OREGON.

GENTLEMEN:—I have found the "ACME" FOOT LIFT WEEDER very satisfactory. It not only cuts the weeds, but pulverizes the ground and leaves it in a level condition.

Very truly,

JAMES CHERRY.

"A GREAT WEED-CUTTING CULTIVATOR"

LOWER NATCHES, WASH.

GENTLEMEN:—Having tried a number of different kinds of weeders with little satisfaction, I finally tried the "ACME" FOOT LIFT WEEDER. I found it to be a great weed-getting cultivator and it leaves the ground very smooth with a good dust mulch.

Yours very truly,

A. H. SOUTHEIMER.

"BEST IMPLEMENTS FOR KILLING WEEDS"

NORTH YAKIMA, WASH.

GENTLEMEN:—I take pleasure in recommending the "ACME" FOOT LIFT WEEDER as the best implement I have ever used for killing weeds and pulverizing the ground, and I have used all of them. One hundred dollars would not buy mine if I could not get another.

Sincerely,

THOMAS J. KETTLE.

"WILL KILL ALL THE WEEDS"

MADRID, NEBR.

GENTLEMEN:—We like the way the weeder works; if used at the right time it will kill all the weeds, and as a harrow to break a crust we find it does well.

Yours truly,

E. A. HOLYOKE.

"THE BEST WEED KILLER"

NATCHES, WASH.

DEAR SIR:—I like the "ACME" FOOT LIFT WEEDER very much. It is the best weed killer I have ever used without any exception. It works well in large and small weeds alike and is easily cleaned. No orchard man can afford to be without one.

Sincerely,

GEORGE B. DASH.

How to Get an "ACME"

Up-to-date dealers carry the "ACME" Tillage Line in stock. But if you cannot get an "ACME" through your dealer, we will ship you direct. Write us sending your dealer's name and telling us the style of "ACME" you desire.

Remember, the "ACME" will pay for itself in a single season through increased crops and will last for a score of years. Don't delay—ask your dealer about an "Acme" today.

Our Guarantee

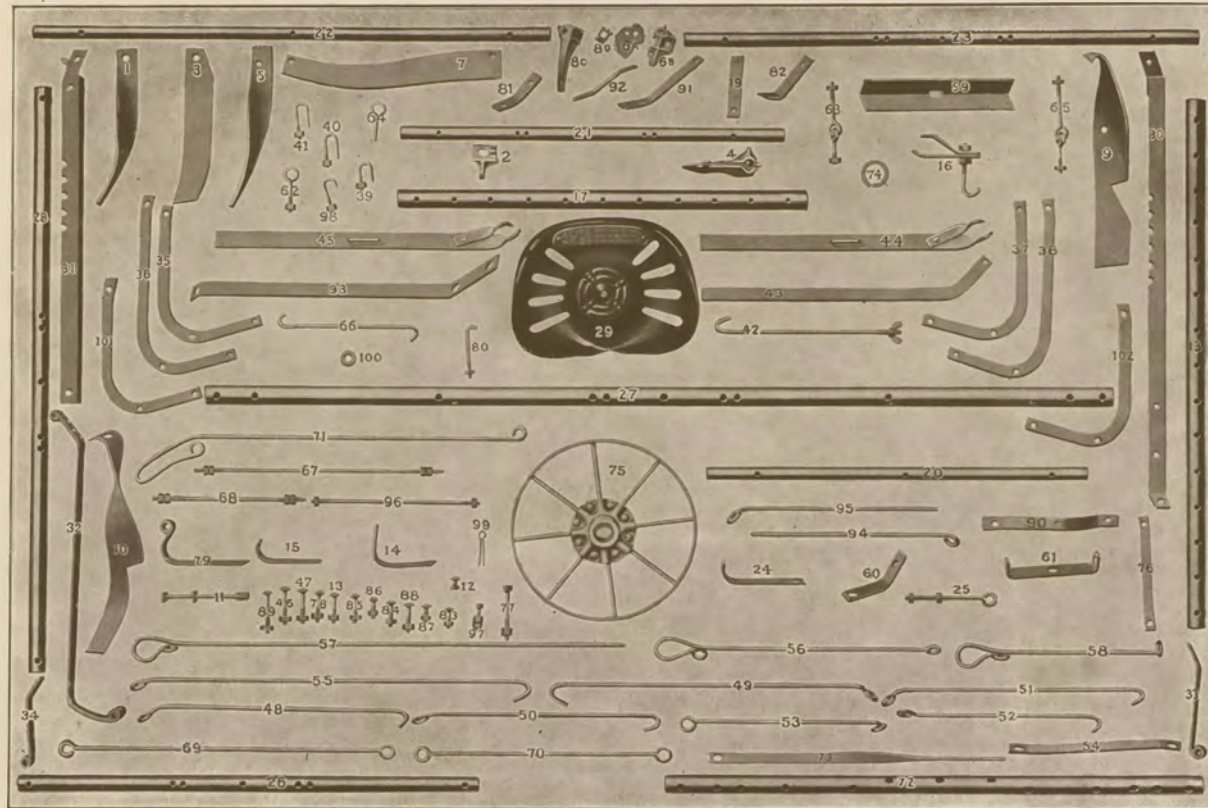
We hereby warrant each and every part of each and every "ACME" Harrow against breakage for a term of one season after it leaves the factory or any of our storehouses, and our agents are authorized to furnish, free, new parts; the only stipulation being that every farmer demanding such parts shall sign a statement that breakage occurred in fair usage, which statement shall be countersigned by the agent or dealer from whom the harrow was purchased.

DUANE H. NASH Inc.
Millington, New Jersey



An "ACME" at Work on the Truck Farm of T. R. Davis, Winter Haven, Fla.

Extra Parts for the "Acme" Harrow



"ACME" Harrows are built for long, hard service and some are still working after 30 years' usage. Our Service Department maintains a full line of repairs for the convenience of our customers. Order by number from the above illustration. Cooperate with us to secure 100% "ACME" efficiency. We will give you prompt and courteous service.



Sold by

