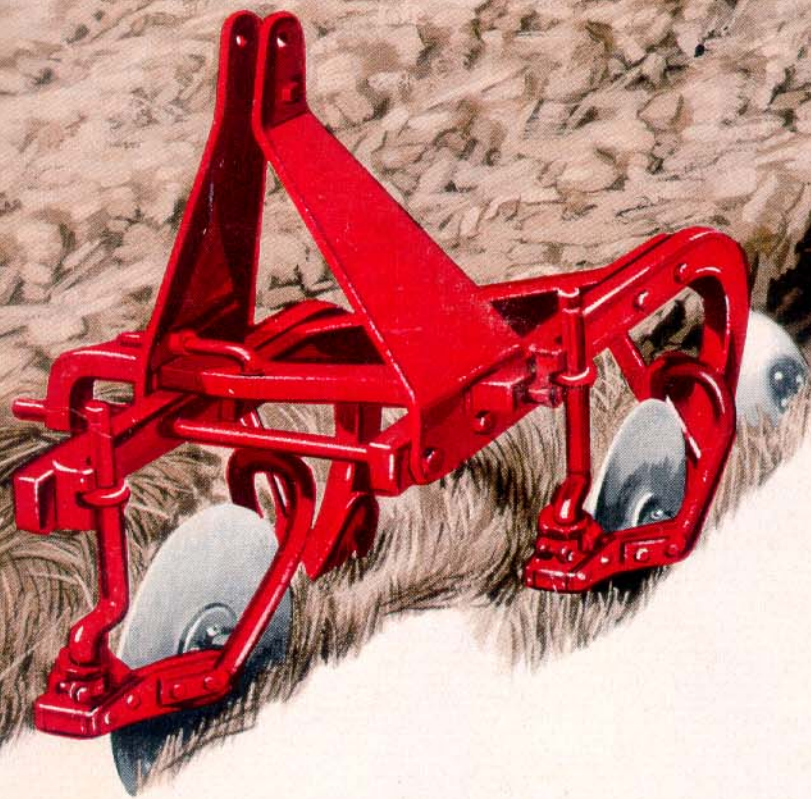


*Even-
Depth*

*Clean-
Cut*

*Well-
Turned*



DEARBORN

**P
L**OWS

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P ROGRESS OF THE PLOW...

Agriculture's Most Basic Tool!

Through the ages, the plow has been the symbol of farming, for good reasons.

In the forked stick era of plowing, man had to labor long and hard to produce the family living. Either that, or starvation. There was precious little surplus of crops. So there could be no large cities, or factories. Civilization as we know it had to wait for progress in plowing.

Today there are many remarkable tillage, planting, cultivating, and harvesting machines. These, too, have contributed greatly to better living for all, including farmers. But the plow retains its historic importance. It still heads the sequence of tillage steps for almost any crop. Besides, the plow probably performs the most basic step of all tillage implements. Here is why . . .

Plowing admits generous amounts of oxygen and water into the top soil to speed up conversion of organic compounds into plant food. Water, the vehicle for carrying plant food into root systems, is quickly absorbed by a plowed surface. And, because plowing loosens and breaks up the soil into small particles, plant roots penetrate much easier and grow far faster.

Turning under stalks, leaves, straw and other material on the surface speeds their decay and thereby releases nitrogen, phosphate, potash and other plant nutrients. Plowing also helps kill or control weeds, grasses and insect pests.

These are all reasons why plowing is the single most important and basic step in crop production. It is, therefore, easy to see why the selection of a plow by any farmer deserves his most careful consideration.

EVOLUTION OF THE PLOW

These are only a few of the steps represented in the gradual improvement of the Moldboard Plow. It is significant that cultural advancements closely paralleled the improvement of the plow—the fundamental tool in the production of food for man.

THE DEARBORN PLOW...

*Today's Most Modern
Ground Breaker!*

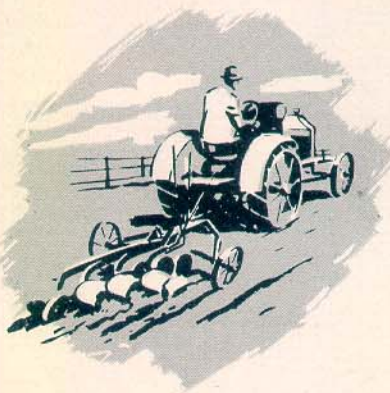
An even-depth, clean-cut furrow and a well-turned furrow slice . . . these, above all else, are what every farmer wants from his plow. This picture reflects what the Dearborn Moldboard Plow and the Ford Tractor are doing in these respects upon thousands and thousands of farms. Before you buy any plow you owe it to yourself to appraise, first hand, the job the Dearborn Plow will do right on your farm.

But, even from the printed page there are many pertinent facts you can observe. From these pages you can see there are a large number of parts "missing" in this plow. No wheels! No axle! No levers! No cables! No pulleys! No trip rope! No tongue! No safety clutch or shear pins! Think what the elimination of all these parts will mean in maintenance costs alone on your farm over the years, not to mention trouble and delay!

But the elimination of needless parts means more than merely cutting upkeep costs. For example, in the field of mechanical design undoubtedly you have observed the following three phases . . .

First phase: a basic machine is constructed that's simple in design but often crudely made. (The plow started with the forked stick.) *Second phase:* to improve performance certain devices are added. (To the plow was added wheels, axles and later clutches, trip ropes, etc.) *Third phase:* the pendulum returns. The machine is greatly simplified; parts once thought vital to performance are found to be useless and can be discarded. New methods take their place. Performance is better than ever!

You will find this third phase of design embodied in the Dearborn Moldboard Plow. Now let's take a look at what this can mean to you.



DEARBORN **P**LOWS CONTRIBUTE DIRECTLY TO THE FORD TRACTOR'S PERFORMANCE!

*Dearborn Plows Add Weight and
Traction to the Ford Tractor*



Note that the Dearborn Plow is *carried* by the Ford Tractor. In effect the rear wheels of the tractor become wheels for the plow. No need for wheels or axle on this plow either in transport or in the field. In the Dearborn Plow they would be worse than useless!

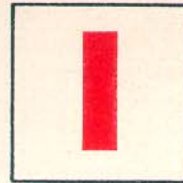
Note, too, that the shares of Dearborn Moldboard Plows are designed with "suck." Since the tractor carries the plow this suck, or down pull, plus the soil on the plow, in effect adds weight on the tractor's drive wheels. Naturally, when you get into tough going, such as heavier soils, you get more down pull. Thus, you get, automatically, with a Dearborn Plow and the Ford Tractor, *more traction delivered to the job right when you need it.*

No wonder the Ford Tractor can smoothly handle two Dearborn bottoms in tough going. The Dearborn Plow, itself, contributes directly to the Ford Tractor's performance!

MORE TRACTION when you need it, Automatically!



2 WAYS TO BEAT FIELD SURFACE AND SOIL CONDITIONS



Constant Draft Control

When discing, subsoiling, plowing or doing similar jobs—you know the depth you want to work. Start off, and lower the Ford Tractor's Hydraulic Touch Control lever to get that depth. Once set, the hydraulic mechanism will automatically keep the implement at a depth where the implement exerts a uniform draft on the tractor.

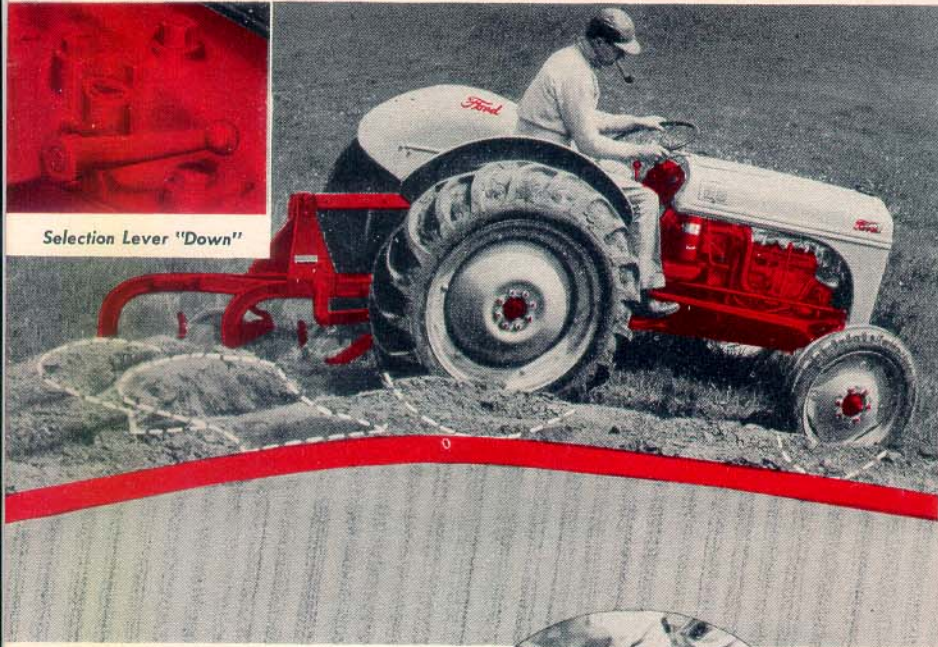
In other words, implements will work at the same depth in uniform soil even if your field is ridged or uneven! But if you encounter variations in soil so that the draft of the implement varies, the implement can be maintained at the desired depth by moving the Hydraulic Touch Control lever up or down.



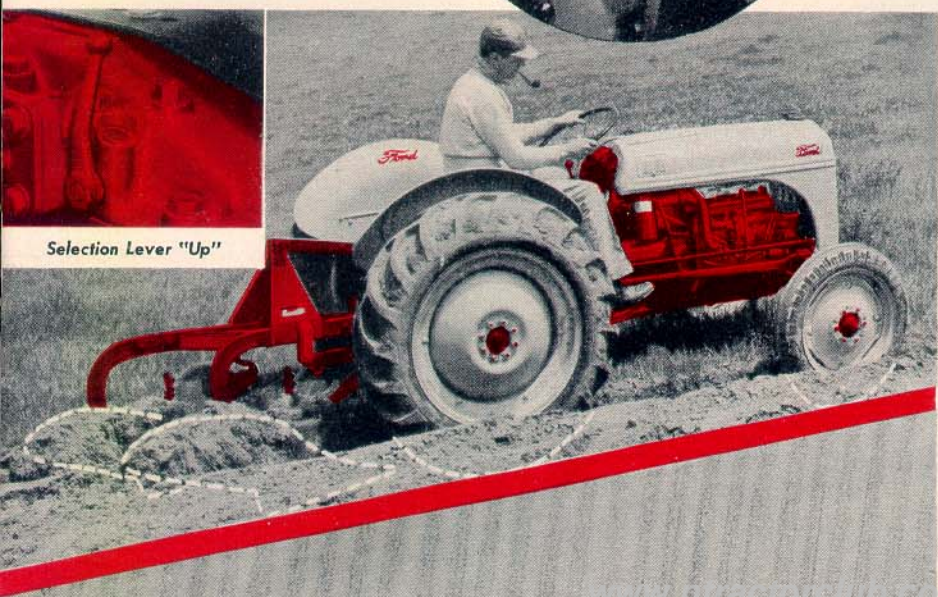
Implement Position Control

But say your field is smooth, yet soil conditions "vary all over the lot." Then flip the Selection Lever as shown in this picture to the "up" position. Now you are in Implement Position Control. No matter how much the soil varies this control is designed to maintain a constant working depth in a smooth field, automatically, without moving the Ford Tractor's Hydraulic Touch Control lever.

How many makes of tractors have a hydraulic mechanism that gives you this choice at the flick of a lever? How many are designed to fit all of your soil and field surface conditions so well? Answer: Just one . . . Ford!



Selection Lever "Down"



Selection Lever "Up"

MOLDBOARDS

Wide variety available. Shown in this illustration is the "Economy" Bottom . . . For details on all bottoms see pages 8 and 10.

BEAMS

Precision built of $1\frac{1}{2}$ " x $2\frac{3}{4}$ " hardened steel. Tremendous resistance to springing. Can be equipped with Economy Bottoms or any of the bottoms shown on page 10.

BRACING

Tie rod and spacer correctly space front end of beams. Beam brace of 1 " x $2\frac{3}{4}$ " flat hardened steel ties plow frame into stout, rigid unit.

ROLLING LANDSIDE

A one-piece steel disc mounted on an induction hardened, accurately machined spindle. Rolling landside cuts plowing power requirements for greater operating economy.

FROGS

Shin, moldboard, landside and share all mount on an arc welded frog in the case of the Economy Bottom. Other Dearborn Steel Bottoms have heavy drop forged frogs and one piece moldboards.

SHARES

Wide variety of types, shapes and sizes available. Shown in this illustration are the famous "Razor Blade" Shares. For details see pages 9 and 11.



The D DEAR

A farmer, an engineer and an artist would all readily agree that the Dearborn Plow is a beautifully designed machine just by looking at it. What's more, after these three had seen the even-depth, clean-cut, well-turned fur-

"A" FRAME

Made of $\frac{1}{4}$ " high carbon steel plate! Here is an exceptionally strong frame, built to absorb severe shocks. Take a good look at it!

LIFT AND HITCH

Attaches to the tractor at three points. A handy man can hook up in less than 60 seconds. Ford Tractor Hydraulic Touch Control lifts and lowers plow. No ropes, no springs, no tiring wrench work!

COULTER ADJUSTMENT

Can be adjusted up, down, sideways at front or back positions. Tapered coulters permit you to keep it snug. Limit "stop" eliminates need for trash-catching check chains. Coulters sold separately.

CROSS-SHAFT

$1\frac{1}{4}$ " x 2" heat-treated steel. Shaped to make width of cut adjustments fast, easy and accurate.

JOINTERS

Jointer arm mounts directly on coulters. Jointer can be removed from coulters if wanted. Jointer blade is made of carburized steel for long life. Jointers sold separately.

SHINS

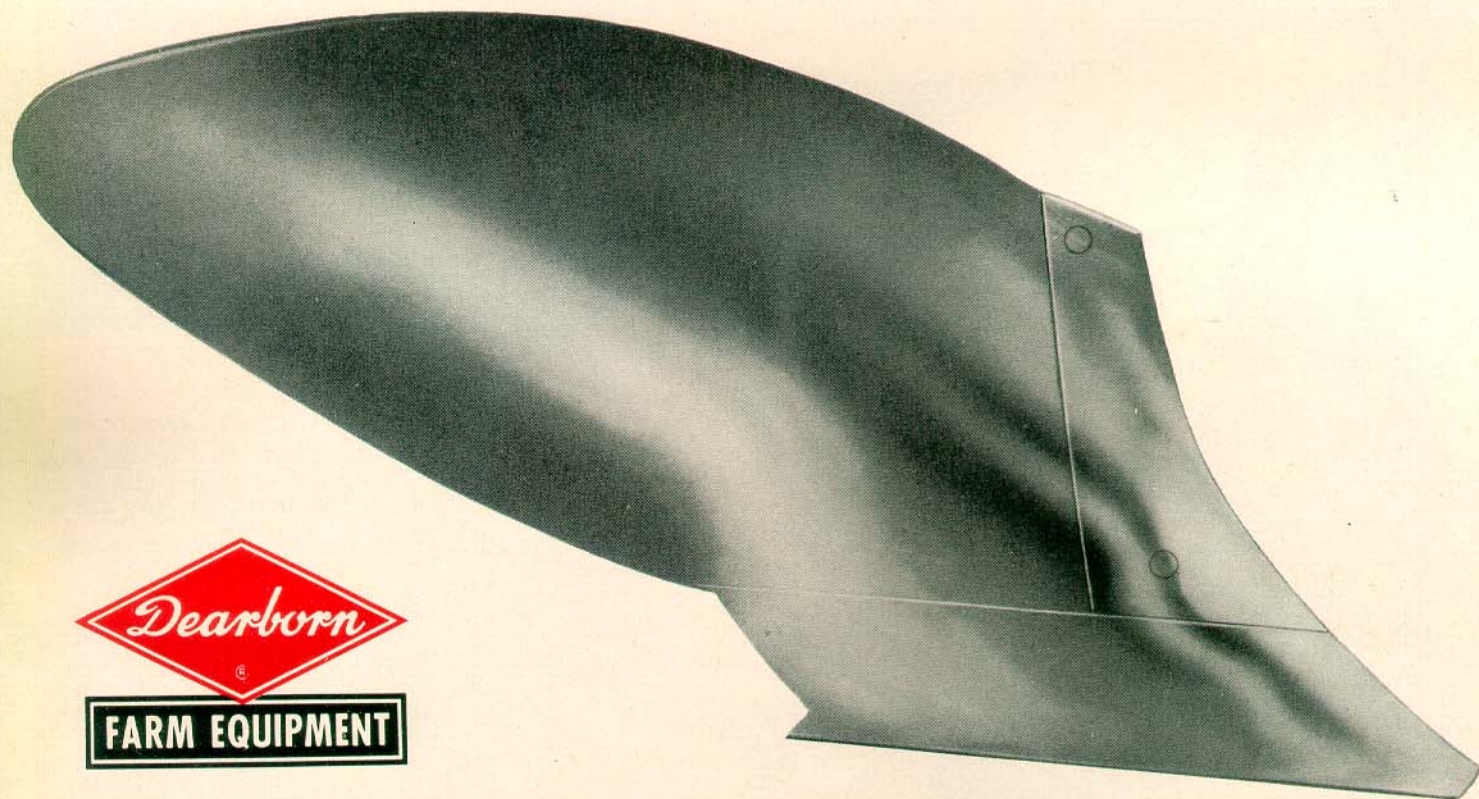
Replaceable shin available on Economy and Chilled Bottoms. With these bottoms when shin wears to point where plowing is affected, you don't lose the whole moldboard—just replace the shin for fraction of the cost!

BORN PLOW

rows it makes, they would also agree that it did beautiful work. Beyond this, the practical farmer will appreciate what good plowing with this remarkable implement can mean to his farming success.



THE **E**CONOMY BOTTOM...



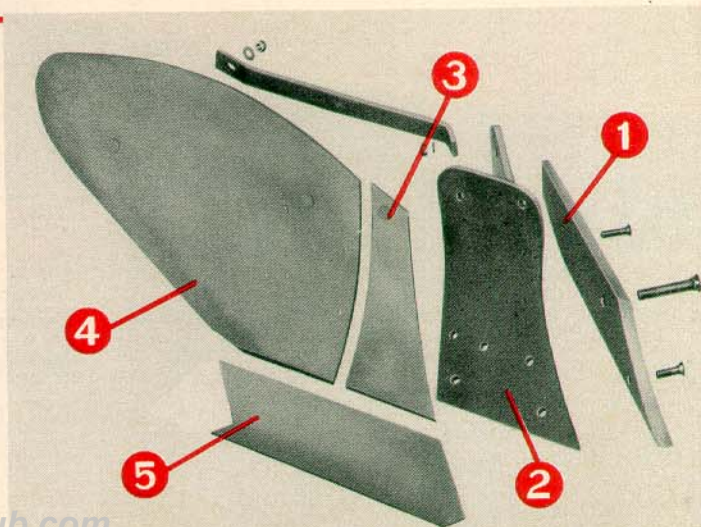
The shape of this bottom is about midway between a general purpose and stubble bottom. It is shaped to give a sharp throw to the furrow slice. For these reasons, it breaks up the soil, covers trash, makes better seed beds!

This bottom has a number of outstanding features including its frog and replaceable shin as shown below in the "exploded" view. Perhaps its

most important feature is that it is the only bottom that can use "Razor Blade" shares—described in detail on the next page.

Economy Bottoms are available in 12, 14 and 16 inch sizes. Each size can be used with either regular or full cut shares to achieve the results you want under different conditions. This gives you a wide performance range.

- 1** Landside
- 2** Advanced design arc welded frog, accurately shaped
- 3** Replaceable shin
- 4** Moldboard has sharp throw to assure pulverization
- 5** "Razor Blade" shares; only the Economy Bottom can use them!



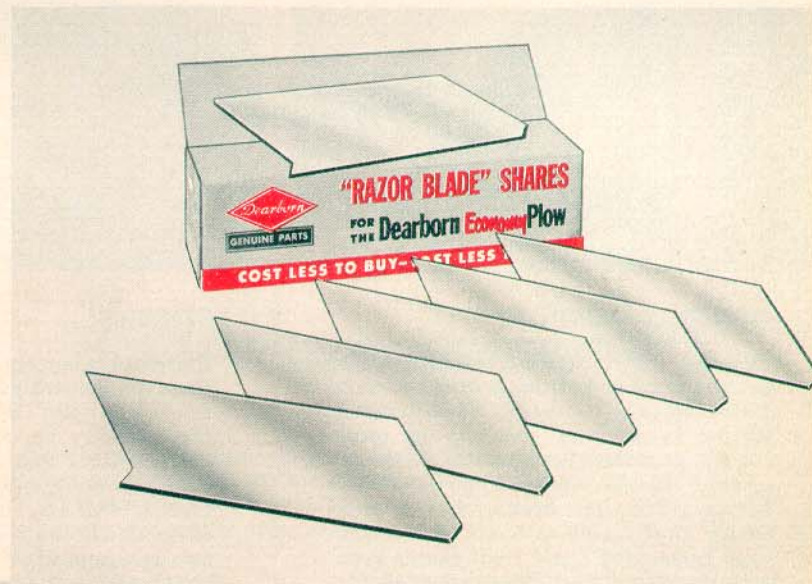
... the Only Bottom that can use "Razor Blade" Shares!

**"RAZOR BLADE" SHARES ARE PRICED LOW
... SO LOW YOU NEVER SHARPEN 'EM**

"Razor Blade" shares are formed of tough, high quality, long wearing steel. Their weight before they are used is only a third of the weight of a conventional share. What's more, the price is so low that you never sharpen "Razor Blade" shares—you just throw used ones away.

Count the *money* you've spent for resharpening shares that became less and less efficient with each resharpening. No need for this waste with Dearborn "Razor Blade" Plow Shares.

What's more, "Razor Blade" shares are always the right shape, always factory checked. This means they do a better plowing job, lighten draft, cut costs.



Throw "razor blade" shares away like used razor blades!



SIZES AVAILABLE

"Razor Blade" shares are available for 12, 14 and 16 inch bottoms. Different size shares can be used with various size bottoms as follows:

		12" Bottom	
		12" regular	12" full cut
			14" full cut
		16" Bottom	
14" Bottom		14" regular	16" full cut
12" regular	14" full cut	16" regular	18" full cut
14" regular	16" full cut		

SAVINGS LIKE THESE ON SHARES ALONE!

If your new plow shares need resharpening after 30 acres of plowing, tests show that you can save \$13.10 of share cost per 100 acres by using Dearborn "Razor Blade" shares instead of conventional steel shares which require skillful sharpening.

If your new shares need resharpening after 10 acres of plowing, Dearborn "Razor Blade" shares can save you \$39.20 per 100 acres.

Estimated savings under varying conditions are as follows:

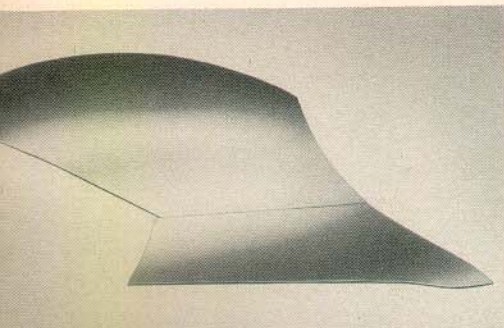
These figures are based upon field tests throughout the country in varied soils and under different plowing conditions. Results in your locality will naturally depend upon conditions, including original share costs and the cost of sharpening conventional shares.

ACRES PLOWED with new conventional steel shares BEFORE SHARPENING.

ESTIMATED SAVINGS in share cost per 100 acres of plowing with Dearborn "Razor Blade" shares.

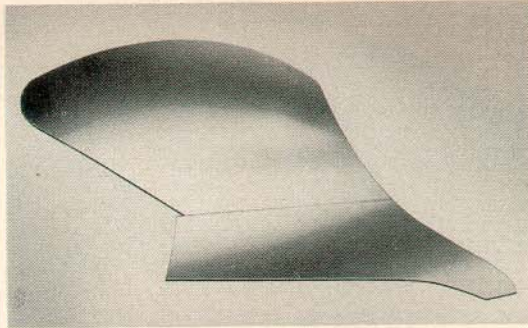
50	\$ 7.90
40	9.80
30	13.10
20	19.60
10	39.20

OTHER DEARBORN **B**OTTOMS...TYPES, USES



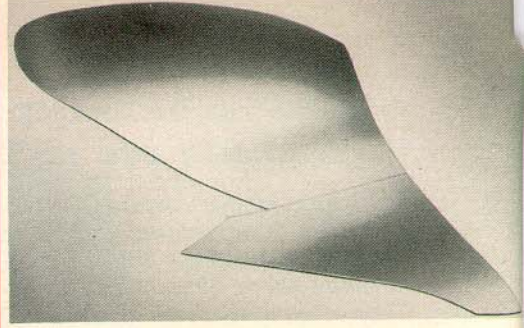
GENERAL PURPOSE

Designed for average soil conditions, the general purpose bottom is used on more farms than any other type. It is designed for use in old land, stubble, and tame sod free of matted roots, excessive stalks, or trash. It is an outstanding *High Speed* bottom. This 14" bottom has a soft-center steel moldboard and soft-center type carburized share. Soft-center type carburized or chilled shares are available as replacements. All parts of the general purpose and stubble bottoms are identical, except the interchangeable moldboards.



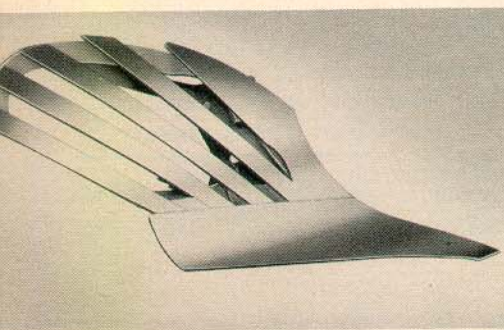
STUBBLE

The stubble bottom moldboard is shorter than the general purpose and is curved sharply to "flip" and invert the furrow slice. Ability to pulverize old pasture sod and scour well under adverse conditions are outstanding performance features of this 14" bottom. It also covers stalks and heavy trash. The stubble bottom is equipped with soft-center moldboard and soft-center type carburized share. Replacement shares are available in soft-center type carburized steel or chilled cast iron.



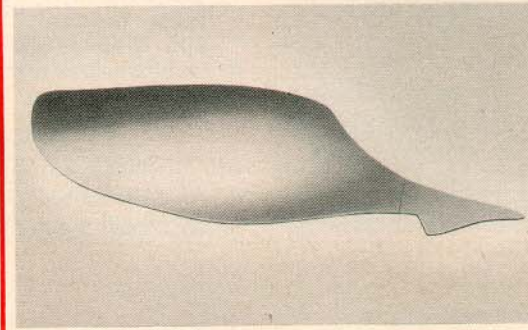
SOD AND CLAY

The sod and clay bottom (12") resembles the general purpose bottom, only it turns the furrow slice slower. It does not cover stalks and trash as well as either the general purpose or stubble bottom, but, it does turn sod cleanly without kinking or breaking the furrow slice. Comes with a soft-center moldboard and soft-center type carburized steel share. Replacement shares may be carburized steel or chilled cast iron to suit the condition.



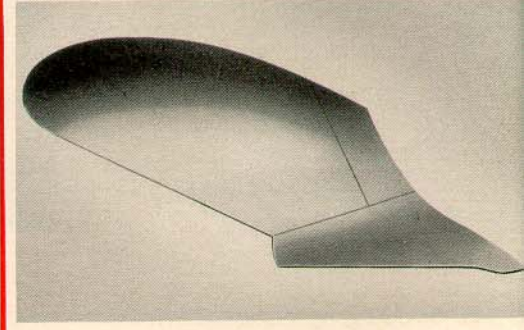
SLAT

In extremely sticky, waxy or gummy, hard-to-scour soils, the slat moldboard normally does excellent plowing. It has fewer square inches of moldboard surface, so the pressure per square inch of moldboard is greater and better scouring results. The slat bottom is used in heavy clay, blackland or red clay soils. Its shape is similar to that of the stubble bottom. It is equipped with soft-center type steel moldboard and share. Slat bottom is 12" or 14".



SCOTCH

The Dearborn Scotch Type Bottom has a very narrow share point which does not cut the full width of the furrow slice, thus keeps the furrow slice almost intact, as turned. This uncut portion anchors and pivots the furrow slice, in an up-ended position. The resulting "valleys" between slices hold rain or snow. The edged-up furrow slices speed drying of excessively wet land. This bottom is equipped with a *solid cast steel* share. Scotch bottom is 10".

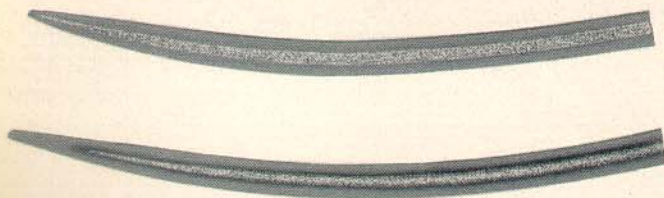


CHILLED

The 12" chilled bottom is made of chilled cast iron. The share and moldboard are given extreme hardness by special process for use in highly abrasive, sandy and gravel soils. Since abrasive soils cause excessive shin wear, this moldboard has a replaceable shin piece. Replacement moldboards, shares and shins are furnished in chilled iron.

Dearborn has the Right Combination of Share Shapes and Materials

MATERIALS



SOFT-CENTER TYPES OF STEEL

Soft-center steel is made by welding two layers of high carbon content steel on the outside of a layer of soft, low carbon content steel. Carburizing is the process of hardening the outside surfaces by increasing the carbon content, leaving the center soft. Both of these processes make a steel which is very hard on the outside for scouring purposes. The inside remains soft, providing toughness to resist shock.



SOLID STEEL

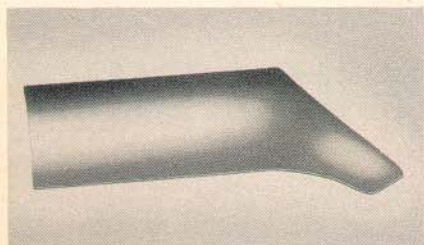
as the name implies, has the same physical characteristics all-the-way-through. Solid steel is somewhat tougher than the soft-center and resists shock somewhat better. Especially well adapted where scouring or abrasion is not a problem.



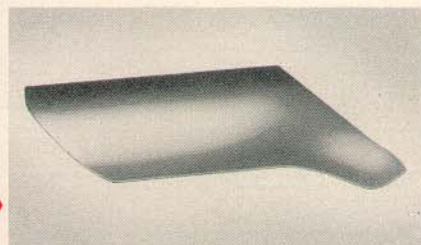
CHILLED CAST IRON

contains a very high carbon content. The chilling process on shares is done by quickly cooling the cutting edge and tip. This makes a hard edge. Chilled material is used in abrasive, sandy soils for its wear resistance.

SHARE SHAPES



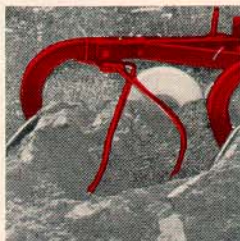
Full cut or regular shares are adaptable to average soil conditions and are most widely used. They assure a clean cut furrow slice. ←



The narrow cut or clipped wing, is usually used in extremely stony or hard soil, or sometimes in sod to leave a part of the furrow slice uncut. →

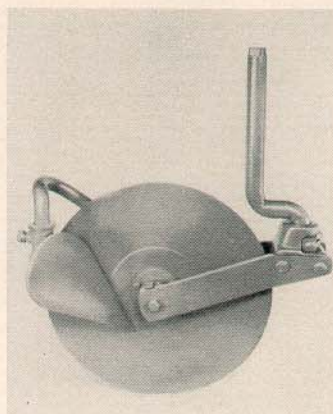
WEED HOOKS

Weed or Grass Hooks are very useful in turning under high weeds, grass and stalks. This device folds tall vegetation forward and downward into the furrow at exactly the right time for the furrow slice to cover it. Dearborn Weed Hooks are made of high grade steel rod for heavy duty service.



MOLDBOARD EXTENSIONS

Dearborn Moldboard Extensions, available for General Purpose, Sod and Clay or Scotch Bottoms, are used in certain types of soils to give the furrow slice an additional "roll" as it leaves the moldboard tip. These extensions are effective in turning old sod that has a tendency to "edge up" instead of breaking over when only the regular moldboard is used.



COMBINATION COULTER - JOINTER

Adjustable any position to give you clean furrow walls, avoid clogging and assure thorough coverage. Following adjustments can be easily and quickly made; front, rear, side-ways, up, down. Jointer has independent adjustment for height and clearance. Tapered coulter bearing for long life. Coulters available in 15½" or 18", either notched or plain. Coulters-jointers sold separately.

A WONDERFUL **D**ISC PLOW

and the Best Terrace Builder you ever saw!

For your sticky, waxy, stubborn-scouring fields—for the tough-to-penetrate hard ground—for root-laced soil that “bullies” a moldboard—for abrasive land that puts excessive wear on shares and moldboards—for all these you’ll find a Dearborn Disc Plow ideal.

The heavy duty discs of electrically heat-treated high carbon steel cut sharply through the soil, churning and mixing it without inverting the furrow slice. Because it leaves some trash mixed with the surface soil, it helps to control erosion.

The Dearborn Disc Plow can handle up to 7 acres in an 8-hour day. Can be quickly attached to the Ford Tractor. Short coupled, lifted and lowered by Ford Tractor Hydraulic Touch Control, it has the handling ease and speed—plus the earth rolling ability—for unexcelled terracing and contouring performance. High trash clearance and ability to roll over rocks and slash through roots make it ideal for cutting fire lanes and plowing newly cleared land.



Ford Tractor Hydraulic Touch Control permits easy lifting for transport, crossing grassed waterways, turning, or backing into corners, or tool shed.



DEARBORN **2**-WAY PLOW



The Answer for Hillside Farms and Irrigated Fields

Plowing on the contour to throw the soil uphill makes every furrow slice a miniature terrace—a run-off stopper and a moisture saver. Plowing irrigated fields without dead furrows, to simplify leveling and prevent water waste means better crops, lower costs. And plowing odd-shaped fields without lost travel is a big advantage. These all are special abilities of the Dearborn Two-Way Plow. Quickly attached to the Ford Tractor, it lifts and lowers by the tractor's Hydraulic Touch Control. You can forget which bottom is due down after you make a turn. Just push the control lever down, and the bottoms change automatically!

★ ★ ★

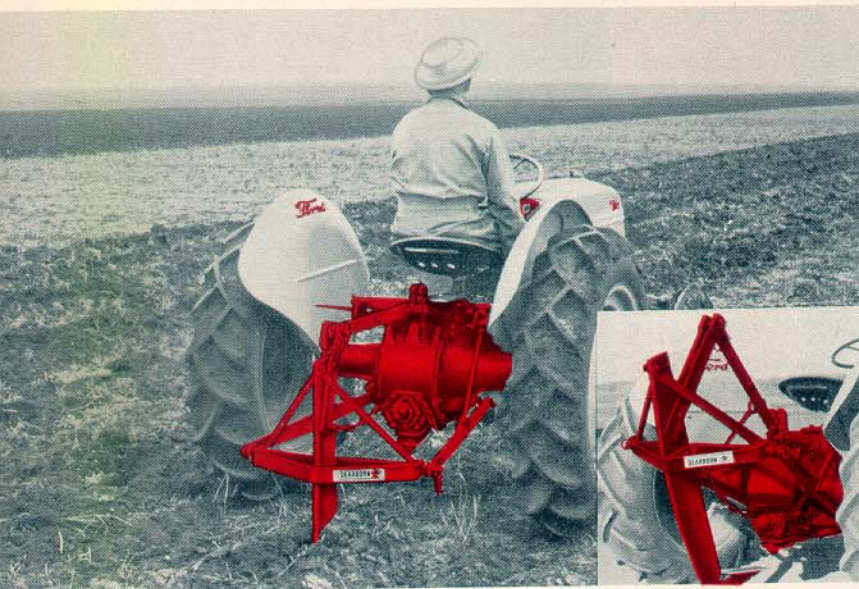
WHAT YOU WANT IN A **M**IDDLEBUSTER *Is What You Get in This One!*

The Dearborn Middlebuster is a quick changer, can be attached to the Ford Tractor in a minute or less. Ford Tractor Hydraulic Touch Control lifts this Middlebuster for transport; lets you sprint to the field. Make short, fast turns on headlands—work point rows with new ease and accuracy. Through Ford Hydraulic Touch Control and Implement Position Control, you can maintain uniform working depth under varying conditions. Space the bottoms from 36 to 54 inch centers, as desired. Optional equipment, sold separately for use with the Dearborn Middlebuster, includes runners and brackets, coulters, planter attachment and fertilizer attachment.



*No Need to Contract
for Subsoiling*

NOT WITH THIS DEARBORN **S**UBSOILER



Many times when you ordinarily use a plow, this Dearborn Subsoiler will do a better job. For instance, plows are sometimes used to loosen gravel or hard-packed sand prior to loading. By using the Subsoiler, you do a deeper and better job—also save points and moldboard wear.

It's excellent, too, for breaking plow pan, opening underground trenches to "bleed" wet or swampy spots and promoting aeration for dense soils of all kinds.

Don't let the low price of this tool mislead you. With the Ford Tractor it can work to a depth of 18 inches! Lifts and lowers by Ford Tractor Hydraulic Touch Control. Both point and beam are *reversible* for longer life.

The small picture (inset) shows it in raised position for easy transport—9 inch clearance.

THE TAYLOR **D**ISC TILLER

*...Fast, Low Cost Tillage
Effective Handling of
"Trash" and Cover Crops*



Here's new tillage speed. Here's an earth mover that proves ideal for terrace building. Here's new ease of employing mulch tillage—using after-harvest trash, stalks, stubble and weeds—to "tie down" top soil, resist erosion. Here's a way to handle cover crops with new ease, and get maximum benefit from them. And here's a new means of profiting from Ford Tractor Power and ease of implement control—the new Taylor Disc Tiller.

The product of a leading American designer of disc plows and disc harrows, the Taylor Disc Tiller has four vertical 26" discs, spaced 10 inches apart. High beam clearance to prevent trashing up. By means of a steering link, the rear wheel functions as a rudder, assisting the Tiller to follow the tractor and give more uniform width of cut.

The Taylor Disc Tiller can do 10 to 12 acres of good "breaking" in 10 hours, as deep as 6".

SPECIFICATIONS

DEARBORN TWO BOTTOM MOLDBOARD PLOWS

BEAMS: Extra Heavy-Duty, built of $1\frac{1}{2}$ x $2\frac{3}{4}$ inch hardened flat steel. Take either Economy Bottoms or other Dearborn Bottoms. **BRACING:** Tie Rod and spacer spaces front ends of beams correctly. Rugged shaped beam brace of 1 x $2\frac{3}{4}$ inch flat hardened steel, ties the plow frame into a rigid unit. **CROSS-SHAFT:** Heavy $1\frac{1}{4}$ x 2 inch heat-treated steel. Shaped like an arc—provides mounting points for link pins used to attach plow and also an easy way to adjust width of cut of plow. **ROLLING LANDSIDE:** Induction hardened spindle, accurately machined. Wheel is 1-piece steel disc. **LIFT AND HITCH:** Hydraulic Touch Control built right in the Ford Tractor lifts and lowers the plow; plow can be attached or detached in 60 seconds or less. **BOTTOMS:** Economy, general purpose, stubble, sod and clay, slat, scotch, chilled.

Coulters and jointers sold separately.

DEARBORN DISC PLOW

DISCS: 2-26" High Carbon heat-treated steel. **BEAMS:** 3" x 4" Cast Steel I Beam. **SCRAPERS:** Swivel Mounted. **FURROW WHEEL:** Self Adjusting. **BEARINGS:** Tapered Roller in Discs and Furrow Wheel. **APPROXIMATE SHIPPING WEIGHT:** 701 pounds.

DEARBORN 2-WAY PLOW

Sturdy cast steel T-frame mounts on tractor's linkage. Automatic lift arms attach to brackets on tractor. Rigid, one-piece steel beams, counter-balanced by cable and pulley, automatically lock in position. Adjustments for leveling pitch and width of cut. Adjustable coulters. Hardened, polished moldboards, solid steel shares. 16" bottoms. Approximate Shipping Weight: 450 pounds.

DEARBORN MIDDLEBUSTER

BEAMS: Drop Forged Steel. **BRACINGS:** Flat steel cross braces. **TOOL BAR:** High Carbon Angle Steel, heat-treated. **HITCH:** Triple Quick-Attaching. Middlebuster can be attached or detached in 60 seconds or less. **BOTTOMS:** Two 14" General Purpose. Can be spaced from 36 to 54 inch centers. **APPROXIMATE SHIPPING WEIGHT:** 302 lbs.

DEARBORN SUBSOILER

DESIGN AND CONSTRUCTION: All steel, heavily reinforced, braced, bolted, welded. Triple Quick-Attaching. **OPERATION:** Lifts, lowers by Ford Tractor Hydraulic Touch Control. Can be controlled in the ground by either Constant Draft or Implement Position Control. **BEAM:** $\frac{3}{4}$ " carbon steel. Completely reversible for double life. **POINT:** 2" wide, 12" long; two sharpened ends; easily removed, quickly reversed. High carbon steel. **MAXIMUM WORKING DEPTH:** Approximately 18". **TRANSPORT CLEARANCE:** Approximately 9". **SHIPPING WEIGHT:** Approximately 100 pounds.

TAYLOR DISC TILLER

DESIGN AND CONSTRUCTION: The Taylor Disc Tiller is a four blade vertical disc plow for use with the Ford Tractor. The four 26" discs of high carbon steel are spaced 10" apart; are positioned on bearing tube by heavy cast spacers. Sealed, opposed tapered roller bearings, working in oil bath, are main disc bearings. Steerable, floatable tractor wheel aids control of width of cut. Each disc has hoe type scraper. Tiller is raised and lowered by Ford Tractor Hydraulic Touch Control. Approximate shipping weight: 640 pounds.

*Dearborn Motors Corporation reserves
the right to make changes in design,
materials and/or specifications, without
notice and without liability therefor.*

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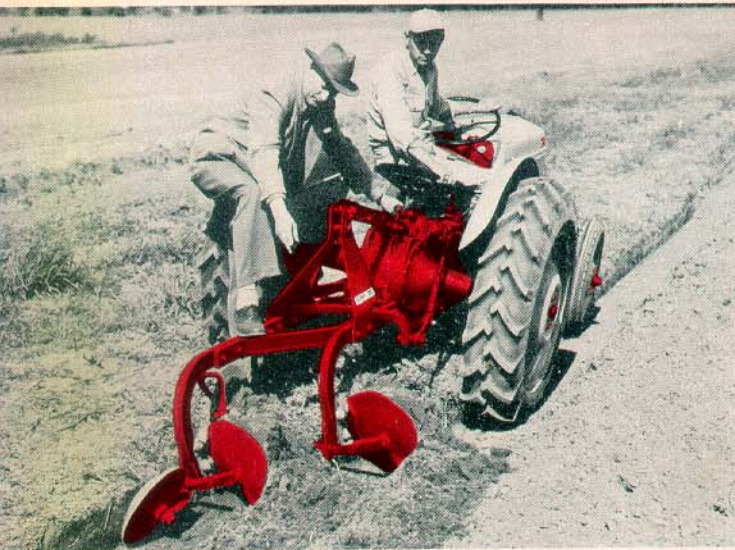




DEARBORN PLOWS



LET'S **P**LOW A FEW ROUNDS . . .



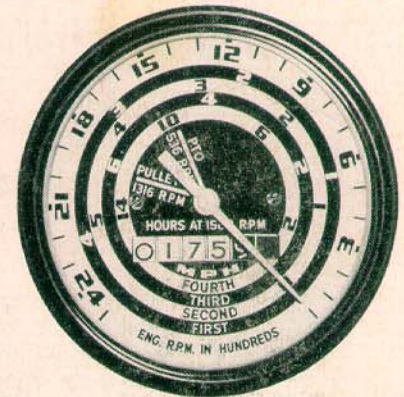
Right on Your Farm

Dearborn Plows and the Ford Tractor provide a powerful story for the printed page. But to fully appreciate the advantages of this equipment you have to see it in action. We will gladly arrange for a demonstration right on your own farm. After you see the demonstration, climb on the tractor yourself and plow a few rounds. It will give you a completely new plowing experience. We know you'll like it.

and LET US SHOW YOU THE **P**ROOF-METER

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Every new Ford Tractor has the Proof-Meter mounted on the instrument panel as standard equipment. Only the Ford Tractor has this instrument which is really five instruments in one! It supplies the heretofore "missing link" between a good operator and his tractor's instruction manual. With the Proof-Meter you hit and hold the right engine speed for maximum power and efficiency. You can accurately keep the correct tractor traveling speed for any job. You can check on just the right PTO or belt pulley speeds. You can save money on maintenance. Let us show you how all this works!



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