

Feature for Feature... Here's Why Over 300,000 TROY-BILT is the ONE

The NEW **4-SPEED** "HORSE" Model...

TOP-MOUNTED GAS TANK

—Provides full feed even in sloping garden areas. Large capacity practically eliminates fill-ups in the middle of a job (so no lugging around heavy gas cans).

MOTOR OUT FRONT —

Makes for almost perfect distribution of weight over machine's chassis, unbelievable tiller balance, and exceptional operating ease. You don't have to fight this tiller—ever.

6 HP TECUMSEH-LAUSON AND 7 HP KOHLER ENGINES—

Four cycle, all cast-iron construction, for long engine life, recoil starter with automatic compression release on all Horses.

CHOICE OF STARTING—

Choose either hand-pull recoil starting or optional, key-operated electric starting. No need to bother with extension cords and electrical outlets as with 110-volt systems. The Troy-Bilt battery recharges itself as you till!

BELT AND PULLEY POWER TRANSFER —

Takes power from the engine and transfers it to the transmission, acting as a clutch. Simple to operate, even simpler to adjust or repair, belt-and-pulley transfer protects the transmission from internal shocks and damage experienced by direct-drive machines.

GEAR-DRIVEN TRANSMISSION —

Completely encased in a bath of gear oil. Just like an automobile or truck transmission, gears provide the most durable, longest lasting and most efficient power train. No chains to stretch or work loose...no easily-damaged and expensive-to-repair direct drive clutches to worry about!

INSTANT HANDLEBAR ADJUSTMENTS —

Up, down, and sideways, without tools! Easily adjustable for gardeners of any height.

TUBULAR STEEL HANDLEBARS—

Solidly mounted on the machine directly over the wheels for maximum tiller control, balance and safety.

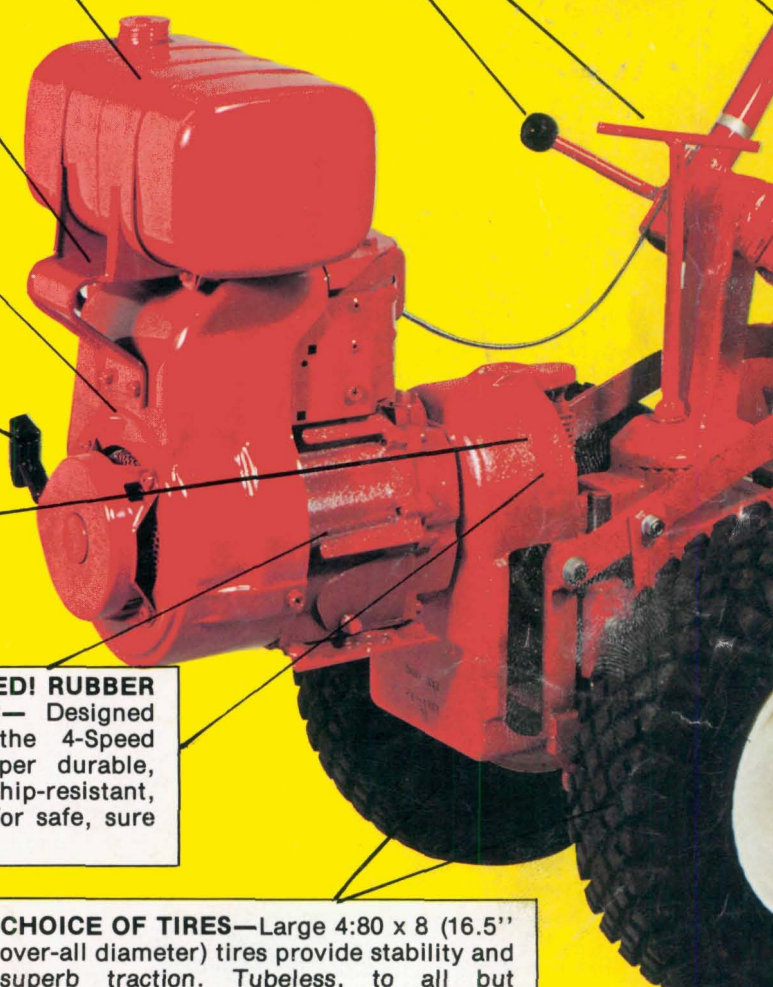
HEAVY-DUTY STEEL HOOD —

Completely encloses revolving tines and helps to pulverize lumpy soil thrown against it.

NEW! IMPROVED! RUBBER REVERSE DISC—

Designed especially for the 4-Speed TROY-BILT. Super durable, long-lasting, chip-resistant, whisper quiet. For safe, sure reversing action.

CHOICE OF TIRES—Large 4:80 x 8 (16.5" over-all diameter) tires provide stability and superb traction. Tubeless, to all but eliminate bothersome leaks associated with innertubes. **DIAMOND TREAD** standard on 6 hp Models...**BAR TREAD** tractor-type standard on 7 hp Models.





The New 4-SPEED TROY-BILT®

- 2 Tine Speeds • 4 Forward Speeds • 2 Gear Ranges

And here are some things you'll appreciate about the new faster tiller and tine speeds:

- Weeding (cultivating) is now 3 ways better:
 1. It's much *faster* (so you spend less time out there under the hot summer sun with all those bugs biting you).
 2. The soil is disturbed less because the tiller moves more quickly over the surface.
 3. There's less wear and tear on the engine because you can usually run it at less than full throttle and still get maximum tiller performance.
- You and your Troy-Bilt can now "zoom" to and from your garden.
- Custom tilling for others can now be done in far less time (and, when you're tilling for hire . . . "time is money").
- Prepares your whole garden area for cover cropping so quickly and easily you'll never leave your garden "bare" again at season's end.
- Chews up old crops, mulch, cornstalks, etc., finer . . . mixes them more thoroughly into the soil . . . releases valuable nutrients to plants faster.
- Pulls furrower steadily even through hard, clay soil during planting, ditching, irrigating, etc.
- Simply put, it just lets your Troy-Bilt do your regular gardening tasks *faster and better* than it did before.



Power compost faster and better!

The new, 4-SPEED Troy-Bilt HORSE Roto Tiller-Power Composter is the best tiller we've ever built. It looks, at first glance, pretty much like the '72 or '73 or '76 models. But underneath that familiar exterior, a *great many improvements* have taken place.

Most automobile companies make constant changes in their pretty faces to make each year look different from the last. Our changes don't show much, but they make the new Troy-Bilts work better in your garden, last longer and require even less servicing than they did before.

Here are some of the latest improvements over the past few years:

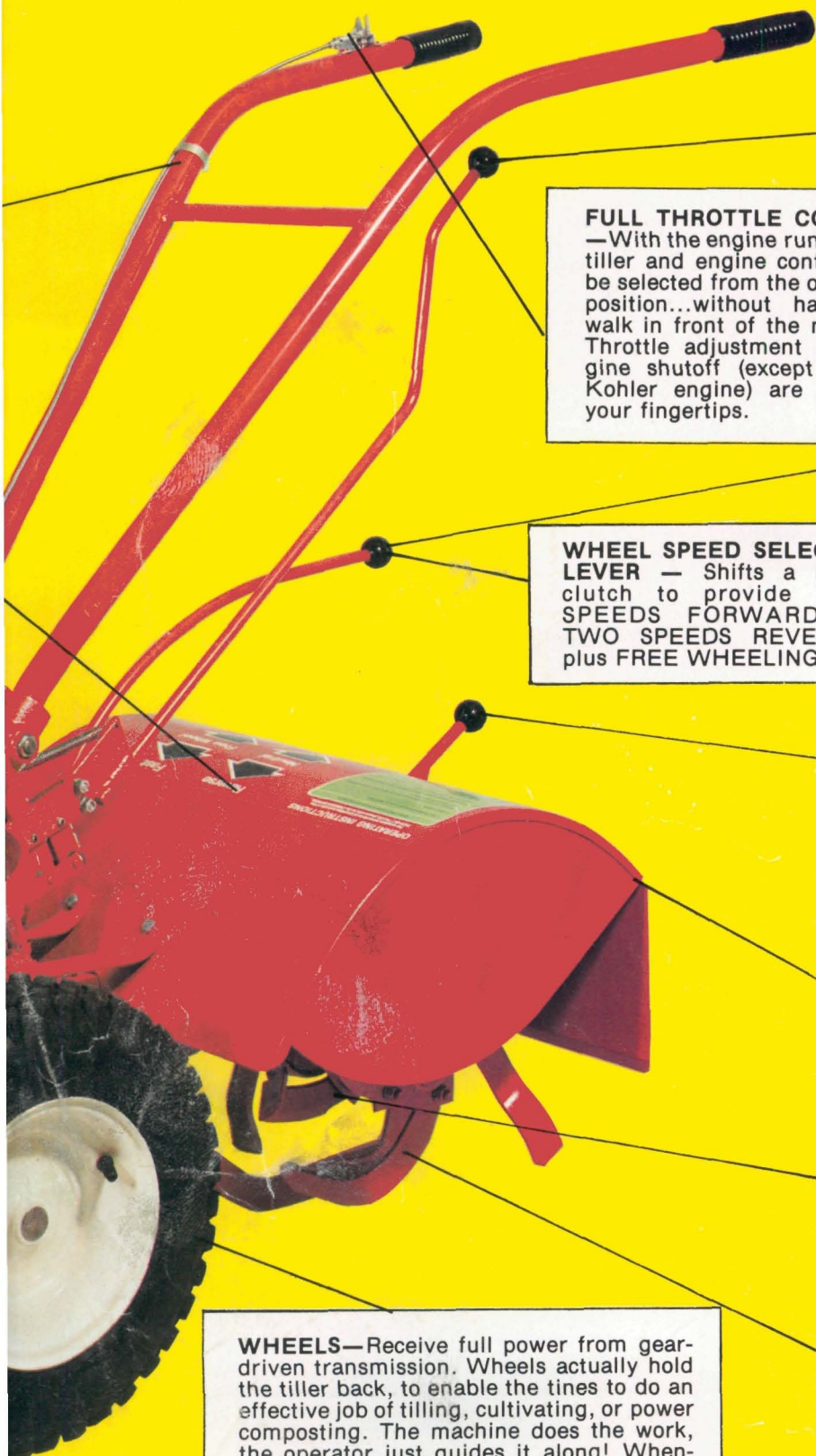
1. The *reverse disc* is now made of a high-compound rubber (which should far outlast the composition discs used prior to 1978). And, the disc contact point has been almost doubled—so alignment problems should be a thing of the past! Unfortunately, this new disc system cannot be fitted to the pre-1978 models because of the totally new variable-speed, single belt and pulley system.
2. The *belt cover/motor mount* has been changed, so you can now change or remove the belt without any tools in just a minute or two!
3. We've changed from an automatic to a *manual choke* on our 6 HP to make starting the engine much easier.
4. Though you'll probably never see it, we now use a one-piece *welded drive shaft*, just the same type as most automobiles use. *Once again, longer life because of less wear.*
5. On the 6 HP Electric (battery) model, we now have a *Key Start* to discourage unauthorized operation (by small children, for instance) of the tiller.
6. We moved the gas tank from the side of the engine to *the top* to provide steady fuel feed, even on slopes.

And, there are many, many more improvements . . . both seen and not seen . . . that make this newest Troy-Bilt the best machine we've ever produced.

Questions and Answers

- Q.** How can *one* belt do the work that it took *two* belts to do before . . . especially at the new, faster speeds?
- A.** That's because our new belt is made of the same tough, new rubber/fiber material that today's best 40,000-mile automobile tires ride on. It simply wasn't available in a drive belt before.
- Q.** What about the competition who have imitated your rear-tined tillers—doesn't everyone else have *variable* tine and tiller speeds?
- A.** No, they don't. The 7 HP Ariens, for instance, has only *one* speed. The 5 HP Gilson has only *one* wheel and *one* tine speed (and the same is true for the 5 HP Montgomery Ward model).
- Q.** Has the tine-speed to wheel-speed ratio changed?
- A.** Not at all, the tines still go 13½ times as fast as the wheels in low gear and 5½ times as fast in high. We believe these two specific ratios are the best for rototillers of this type.
- Q.** It all sounds so simple—why didn't you do it years ago?
- A.** We're back to the belt again. The older-type belts just wouldn't have held up. Besides, we wanted to spend at least a year testing it (in all sorts of weather and soil conditions) to be sure it would work much better for you than our two-belt system. And it does!

Function for Function Serious Gardeners Agree Gardening Machine to Own!



FULL THROTTLE CONTROL
—With the engine running, all tiller and engine controls can be selected from the operating position...without having to walk in front of the machine. Throttle adjustment and engine shutoff (except on the Kohler engine) are right at your fingertips.

FORWARD/NEUTRAL/REVERSE LEVER—Push down ...the machine locks in Forward. Lift up for neutral (immediately stopping all wheel and tine motion). Lever must be HELD UP for reverse motion (a safety feature). Releasing the lever returns machine safely and automatically to Neutral!

NOW! NEW! 2 HIGH AND 2 LOW SPEEDS

4-Speed versatility. Two speeds in each of two gear ranges permit fast transportation of tiller, higher tine speeds, improved tilling and power-composting.

WHEEL SPEED SELECTION LEVER — Shifts a sliding clutch to provide FOUR SPEEDS FORWARD and TWO SPEEDS REVERSE... plus FREE WHEELING.

INSTANT 8-POSITION DEPTH REGULATOR— Controls depth of tilling from shallow cultivating depth down to full depth (8" or more). Adjustments can be made with tiller in motion. "Travel" position clears tines a few inches above lawn, driveways, and floors.

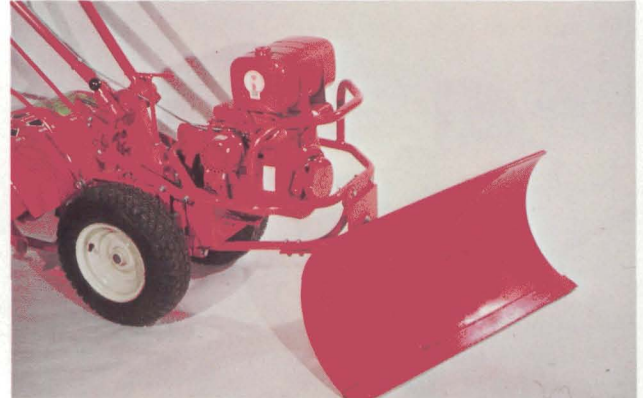
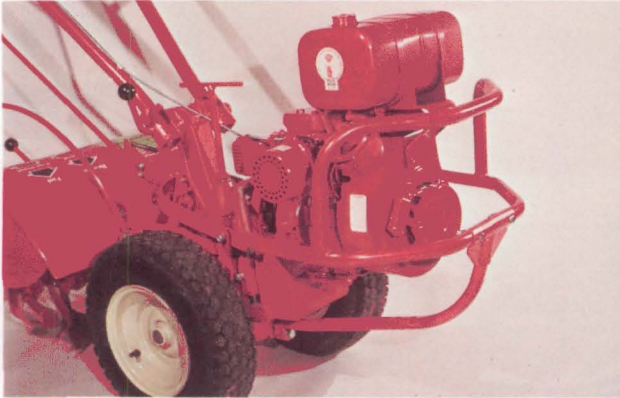
HINGED HOOD FLAP — Smooths the freshly-tilled soil into a beautiful seedbed ...eliminates a lot of raking and makes planting easier.

REAR-MOUNTED TINES—Located behind the wheels...so you never leave wheelmarks in your garden. Rotating at 146 to 200 RPM's (depending on throttle and belt setting), tines are geared to turn 13.5 times faster than the wheels in Low...5.5 times faster than the wheels in High.

WHEELS—Receive full power from gear-driven transmission. Wheels actually hold the tiller back, to enable the tines to do an effective job of tilling, cultivating, or power composting. The machine does the work, the operator just guides it along! Whenever the wheels are in motion, the tines must revolve too.

HEAVY-DUTY BOLO TINES — The best design for all-around use, standard on every Model. Self-cleaning and scientifically positioned to easily and thoroughly chop and mix sod, soil and vegetation. Each tine individually replaceable, too!

Add these ACCESSORIES & ATTACHMENTS to make your new TROY-BILT truly a FOUR-SEASON MACHINE



THE WRAPAROUND BUMPER/GUARD

Heavy-duty steel tubing to protect the engine from accidental bumps against fences, doors, when loading into station wagon or truck, etc. Safeguards front of engine and flywheel from front impact (and from resting in the dirt while you're checking or cleaning out the tines in the garden). Also shields carburetor from "side swipes". Very useful when two people are *lifting* a Troy-Bilt into a car or truck—and for tying it *securely* when carrying the Tiller on a trailer or in a pick-up truck.

THE DOZER/SNOW BLADE

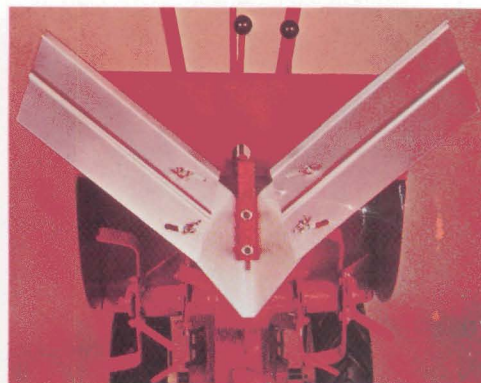
This versatile 41-lb., 32-in. blade will handle a multitude of "middle-weight" jobs. Use it in *summer* to fill a ditch, grade a dirt driveway, spread a compost pile onto the garden, clean out a barn, bank up soil around a coldframe, level ground for a new lawn, etc. Use it in the *winter* to plow snow off driveway, sidewalk and paths. Simple pull pin lets you adjust to angle right or left, too! Bolts to Bumper/Guard . . . attach or remove in minutes.



NEW!

WEATHERPROOF HEAVY-DUTY TILLER COVER

Made exclusively for us of tough 16 oz. vinyl-laminated nylon. Dielectrically sealed seams so *absolutely* no moisture can penetrate this cover. Solid brass grommets all around the bottom, so you can secure it to Tiller (especially handy if you're carrying your Troy-Bilt on a trailer behind your car or truck). Large fiberglass shield to protect cover from contact with muffler. *Entire* cover is flame-resistant. Also resistant to rot, mildew and the sun's harmful rays (this company manufactures the covers that protect valuable Army, Navy and Air Force equipment that remains outdoors in every climate imaginable). We could have made it far cheaper, but low-priced covers tear, crack, leak and fade. This cover should easily last 10 to 20 years. In classic Troy-Bilt red with Troy-Bilt logo.



HILLER/ FURROWER

"Worth its weight in gold!" wrote one Owner. Really *two* attachments in one. The *Furrower* will make a trench anywhere from 2" to 8" deep for planting potatoes (asparagus, berry bushes, transplants), irrigating, burying compost, draining marshy ground, laying pipe or electrical cable, and so

on. The two *Hiller wings* attach instantly with wing nuts and adjust to many positions. Use the Hiller to make raised row (for early spring or "wet-spot" planting), to bury weeds all season in vegetable rows and around tomato plants, to hill up potatoes as they develop, to bank soil around a cold frame, etc. An amazingly versatile tool that you'll wonder how you ever did without it!

6-FOOT PORTABLE LOADING RAMPS

Perfect for loading your Troy-Bilt into a truck, van or station wagon (unique clamp holds ramps from slipping). Very handy, too, if your shed or barn has a big step or two that wheels just won't go over. Or for crossing a ditch, muddy area, etc. Laminated plywood and hardwood with expanded steel tracks for maximum traction. Six feet long, will support up to 800 lbs!



BrentChalmers.com

TROY-BILT® OWNERS:

May we help you select the right

NEW **4-SPEED** TROY-BILT® Roto Tiller-Power Composter for yourself or a friend?



The Troy-Bilt is truly a *four season* yard and garden machine. We're ready to build a brand new 4-Speed Troy-Bilt for you or your gardening friends. As a Troy-Bilt Owner, you receive an *extra 5%* off the seasonal discount . . . no matter what it is!

Each tiller will be carefully built to exactly your specifications, slowly and precisely, by our skilled craftsmen. These men are so proud of their work that

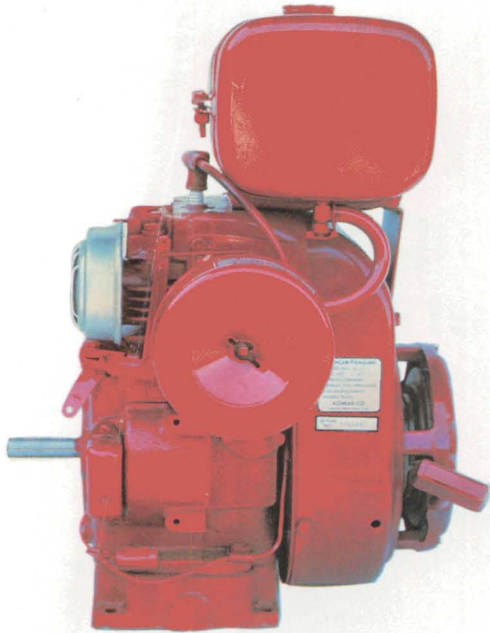
they actually *brand* certain parts with their own personal "mark".

When the tiller is completed (including over 50 quality checks along the way), it will then be carefully packaged into a protective container and shipped by truck to you or your friend.

Please see inside

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Select just the right ENGINE to suit your individual needs . . .



The 7 HP Kohler "Professional"

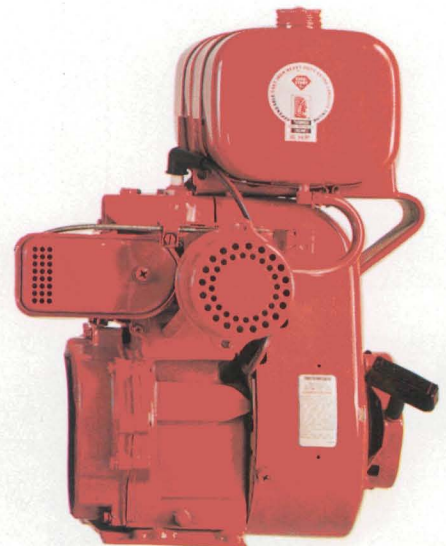
The biggest, toughest cast-iron engine we've ever put on a Troy-Bilt. A large bore/short stroke design and a precisely balanced aluminum alloy piston, assures far less vibration and wear. Externally mounted points and condenser for easy adjustment, servicing. Automotive-type paper element air filter. Automatic compression release for easy, fast starts. Ball bearings on both ends of the crankshaft. One and one-half gallon gas tank. And other good, sensible features, many modified by Kohler exclusively for the Troy-Bilt. This is the engine you should have if:

- You have a larger-than-average garden (say, ¼ acre or more)
- You have really tough soil (rocky, heavy clay, gumbo, caliche, hardpan or the like)
- You use a lot of mulch (hay, leaves, sawdust, etc.) and till it under each Fall or Spring
- Having *extra* power whenever you need it is important to you
- You use your tiller quite a bit for other tough duties such as plowing, grading, ditching, etc.
- You plan to make your tiller pay for itself by doing custom tilling as a small side business
- You do a lot of "green manuring" and other power composting to improve your soil organically
- You plan to expand your garden and grow enough to sell (or just give away to friends)
- You use your tiller over 50 hours a year
- You simply want the finest tiller we build

The 6 HP Tecumseh Lauson "Standard"

Over the years, our most popular engine by far . . . over a *quarter of a million* now in service in gardens across America and around the world. This versatile, air-cooled, cast-iron 4-cycle engine is built for long, trouble-free life. Manual choke, built-in governor to protect engine from excessive rpms, easy access oil dip stick, 1½ gallon gas tank, long-lasting polyurethane sponge air cleaner and convenient recoil (self-rewinding) starter are all standard on the Tecumseh. Consider this engine if:

- You have an average-sized garden (say, 60' x 50') and don't plan to expand it
- It's not your intention to do a lot of custom tilling for hire
- Right now, paying the lowest possible price is more important than having extra features
- You want your tiller mostly for yourself, and will probably use it under 50 hours a year
- You're not planning to do much of your own engine maintenance or repairs and will rely on one or more of the 15,000 Tecumseh engine dealers coast-to-coast
- You'd rather not have the added weight of the electric-starting or 7 HP models. (This is our *lightest* "Horse" model.)



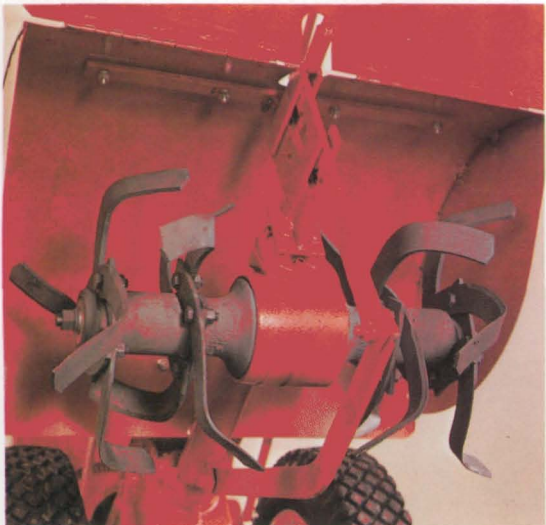
6 HP ELECTRIC Tecumseh Lauson

All the features of the 6 HP "standard" plus a 12-volt (30 amp) battery-operated electric start system. Safety-minded key starting (to prevent unauthorized use, by children for example). Battery recharges itself while tiller is operating. Engine also has pull (recoil) starter in case battery should ever fail. Consider this model if:

- You usually have difficulty with a pull start on other machines (lawn mower, snow blower, etc.)
- You're afraid of possibly straining your back or arm or heart.
- You're an older person, perhaps even living alone, and you prefer the *independence* of being able to do things by yourself.
- The climate where you live is quite damp during much of the gardening season and your other machines are often hard to start.
- You plan to use your Troy-Bilt to plow snow in winter, but don't have a protected place to store it. (Cold engines can be tough to get going.)
- You simply enjoy the ease and convenience of electric starting.



Choose the TINES that do your jobs best!



BOLO TINES. These are *standard equipment* on all our tillers, both Horse and Pony models. We designed these tines and their particular arrangement on the shaft after thousands of hours of testing. With 16 curved tines (4 "gangs" of 4 tines each), there is always one tine on each side slicing into the ground at the *same time*. With the power-driven wheels holding the tiller back, this *even churning* of the soil is what has made the operation of this tiller with "just one hand" so well-known. (By the way, some tiller manufacturers are still using old-style "chopper" or "slasher" tines and *most* use an unbalanced arrangement of tines that causes the lurching or swaying you may have seen *other* gardeners struggling with.)



The Troy-Bilt's bolo tines are truly an "all purpose" tine. They will handle virtually every gardening job a tiller could be expected to do . . . and then some!

Plow under a field or lawn . . . mix in enormous quantities of mulch, leaves, manure, etc. . . . prepare a seedbed by blending and aerating the soil down to a depth of 8" or more . . . cultivate (weed) between crop rows and around the outside edge of the garden . . . knock down, cut up and churn in cover crops (green manures), standing cornstalks, spent crops.

These bolo tines and the trailing hood flap also leave the soil free of tire and *footprints* (which can re-plant weed seeds and cause erosion to start during heavy rain showers).



POINTED PICK TINES. Specialized tines that are most useful in hard clay or rocky soil, that has not been tilled for years and contains little organic matter. In rocky soil, these tines will pull many of the medium-sized stones to the surface. Bolo tines will accomplish the same task but may require a few more passes. These tines come in sets of 12, require special holders and are sold as a unit.



CULTIVATING TINES. Specialized tines designed for shallow cultivating, where possible root damage to valuable crops may be a problem. Commercial growers and nurseries find these tines helpful for weeding and aerating the soil surface in vineyards, orchards, berry patches and tree farms. The sets of 12 tines each require special holders and are sold as a unit.

Which type of TIRES would you prefer?



DIAMOND TREAD (standard on 6 HP models). A tough, long-lasting tubeless 4:80/4:00 x 8" tire. 20 lbs. psi. This 2-ply tire is used for tilling, cultivating, etc., in *average* soils. For soft, muddy ground or for plowing or grading with the Dozer/Snow Blade, chains should be added to improve traction.



BAR TREAD (standard on 7 HP "Professional," optional on 6 HP models). Same specifications as diamond tread but with deep, agricultural traction grips similar to those used on most farm tractors. The best tire for soft, muddy or sandy soils. Gives better traction with the Hiller/Furrower and Dozer/Snow Blade than standard tires. Extra-deep treads give this tire many more years of service. Well worth the small extra investment, when ordered with a new tiller.



TIRE CHAINS. These chains fit both diamond and bar tread tires and add considerable traction for working in muddy or sandy soils. They are particularly useful with the Dozer/Snow Blade for both grading and plowing. The chains have two hook-up positions so they can be fitted snugly or left somewhat loose (which makes them more "self-cleaning"). Sold in pairs, they fit any 4:80 x 8" tire.

THE TROY-BILT PONY

Everything you may have always wanted
Smaller, Lighter, Less-expensive

A quality-engineered machine with most of the features and uses of our larger Horse models.

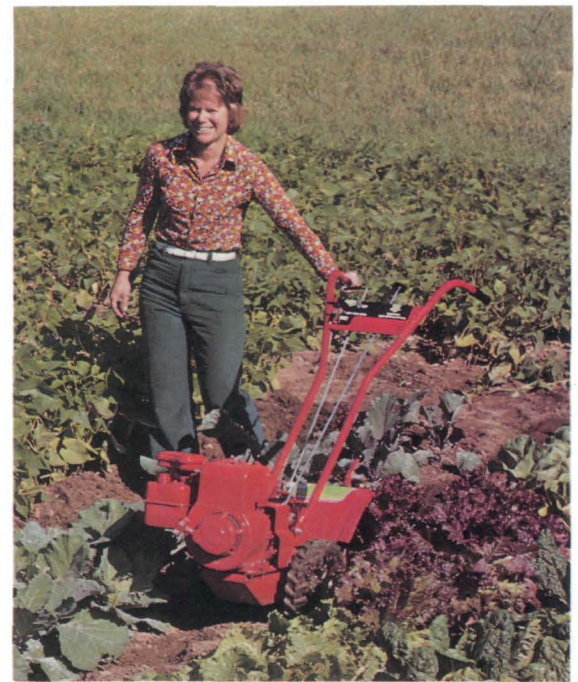
Should you consider buying a Pony *instead of or in addition to* a Troy-Bilt Horse?

If you answer "YES" to several of the following questions, you should consider investing in a NEW, SMALLER, NARROWER, LIGHTER, EASIER-TO-HANDLE 5 HP TROY-BILT PONY.

- Have you moved to a smaller home with *less land* available for a garden?
- Have your children grown up and moved away . . . so you don't need to raise such a large garden anymore?
- Have you become so involved in other activities that you simply don't want such an extensive garden now?
- Or, perhaps your garden has gotten so large that you'd like to have another tiller mostly for cultivating?
- Have you perhaps had a recent illness that prompted your doctor to recommend that you "take it easy" from now on? (The *electric start* Pony might be the answer.)
- Is your present Troy-Bilt used mostly by someone who finds it somewhat difficult to start or turn or maneuver in tight corners?
- Did you *originally* buy your Troy-Bilt to do "CUSTOM TILLING" but now use it only for your own small garden?
- Is your garden *fenced-in* so that you could really use a machine that's easier to maneuver in corners and alongside the fences?
- Could you use a smaller, lighter machine for preparing and cultivating your flower beds and shrubs, too?
- Would you like to plant your vegetable rows as close as 18"-20" and grow up to *1/3 more in the same plot?* (The Pony's tilling width is just 14½"—almost 6" narrower than the Horse.)

If you answered "YES" to one or more of these questions, you might like to own the smaller TROY-BILT "Pony".

The PONY combines remarkable handling ease with professional Troy-Bilt quality and performance. It will prepare a perfect, smooth seedbed . . . cultivate away weeds quickly . . . and "power compost" standing cornstalks, cover crops and other green matter to build up your soil. With its optional Hiller/Furrower, the PONY can dig trenches for planting or irrigation, hill corn or make raised beds, and much more. In fact, the PONY can do virtually everything its "bigger brother", the HORSE, can do (except to plow snow).



The new PONY is powered by a rugged, reliable 5 HP Briggs and Stratton engine and has basically the same automotive type, worm-gear transmission that helped make the Troy-Bilt HORSE famous for dependability and long-life. And of course, every Troy-Bilt PONY is covered by our exclusive NO TIME LIMIT Service and Warranty that protects your investment for life. The engine is warranted by Briggs & Stratton for a year.

HERE'S HOW YOU CAN GET A BRAND NEW TROY-BILT PONY PRACTICALLY FREE!

Your present Troy-Bilt is worth more than you probably realize. If owning a new Pony seems to make sense to you, selling your present Horse Model may bring in enough to cover the cost of the new Pony (depending on its age and condition—see the *Used Troy-Bilt Value Chart*). That's like getting a brand new PONY practically free.

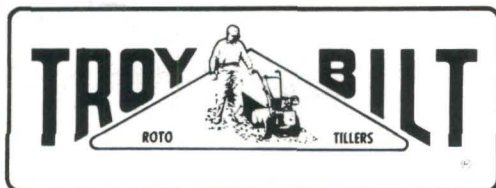
"PONY" Model SPECIFICATIONS

HORSEPOWER: 5 HP recoil starting and 5 HP electric starting.
SPEEDS: At 3000 RPM engine speed, the machine ground speed and tiller tine speeds are:

| | | |
|-----------------------------|---------|---------|
| | LOW | HIGH |
| Ground Speed | 0.6 MPH | 0.8 MPH |
| Tiller Tine Speed | 150 RPM | 200 RPM |

DIMENSIONS:

- Height:** Without Handlebars—22½" (25" on 5 HP electric start)
 Handlebars in down position—44"
 Handlebars in highest position—53"
- Length:** With Handlebars—57"
 Without Handlebars—43"
- Width:** Overall width at Hood—15"
 Tilling width—14½"
- Weight:** 5 HP—160 lbs.
 5 HP electric starting—185 lbs.



GARDEN WAY MANUFACTURING CO., INC.

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