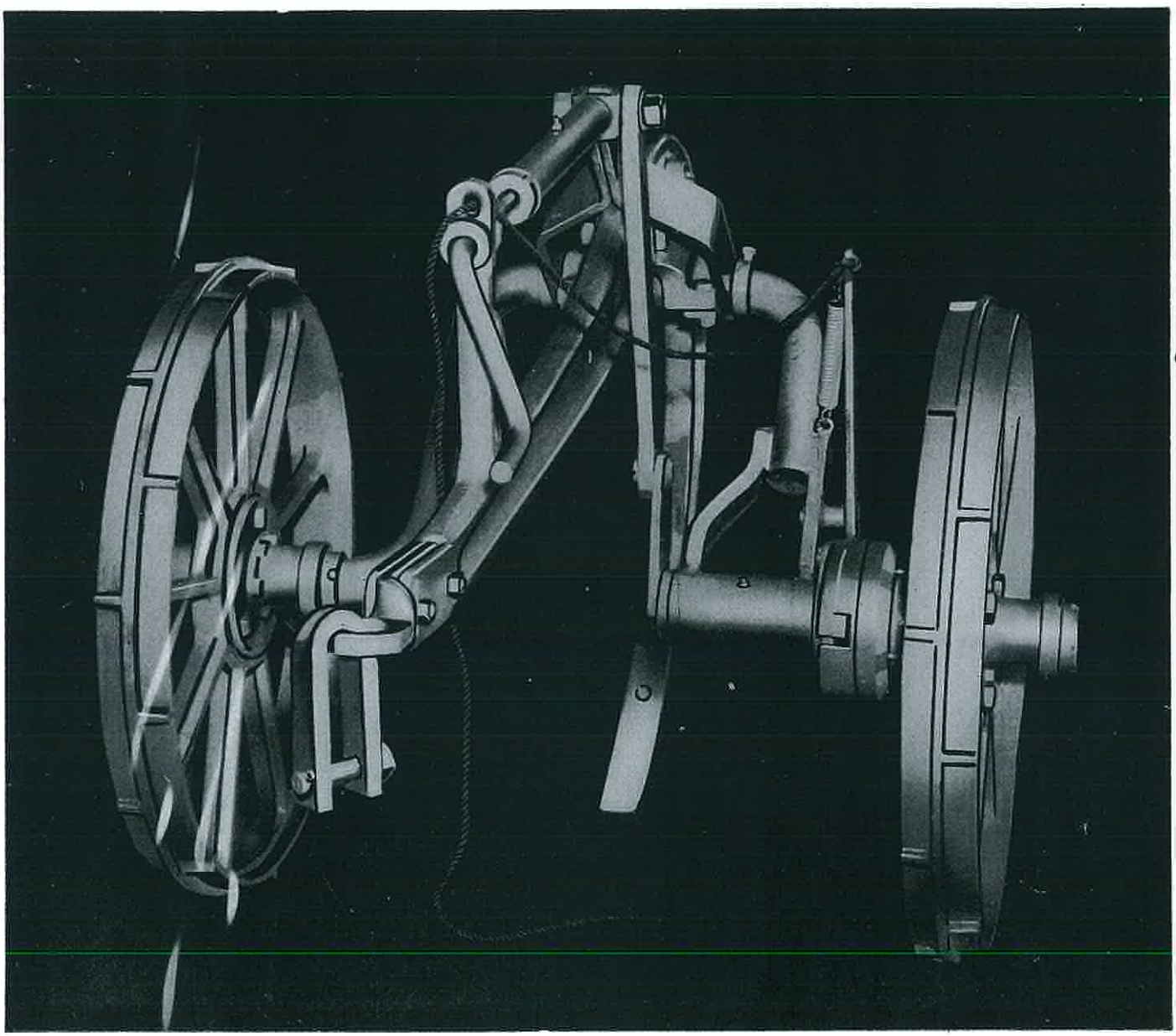
Taylor-Way
SUBSOILER
MODEL 100000

Combats Droughts *Increases Yields*

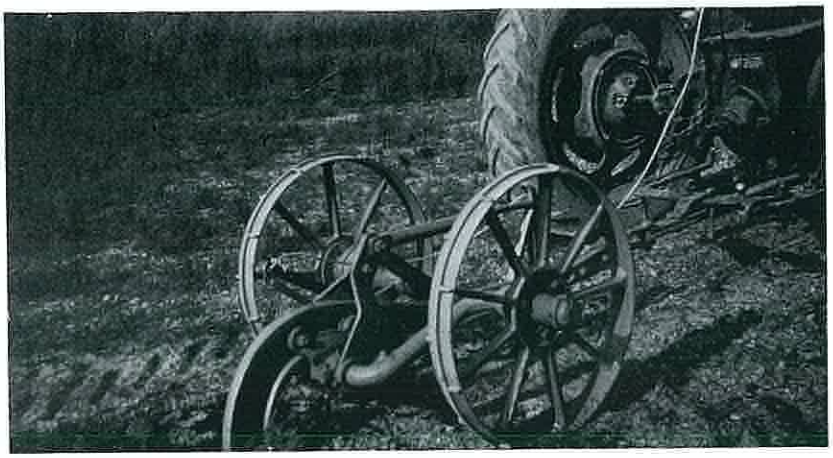


Stores Moisture *Retards Erosion*

TAYLOR IMPLEMENT MANUFACTURING COMPANY

Manufacturers of Tractor-drawn Earth-working Farm Implements

ATHENS, TENNESSEE, U. S. A.



Subsoiling with the ***Taylor-Way*** Subsoiler makes possible the deep storage of moisture. Rainfall is absorbed and stored in the soil instead of draining off and causing erosion. In many cases terraces can be completely eliminated. Other tillage operations can be done more easily after subsoiling. In grain, row and cover crop fields the hard pan can be broken without turning the soil. Soil conservationists report excellent results with this method.

In designing the ***Taylor-Way*** Subsoiler every phase necessary for satisfactory and strenuous operation was taken into consideration. Construction of this implement is from alloy and high carbon steels.

The electrically heat treated alloy steel beam is correctly curved to insure natural penetration yet allows for the greatest clearance possible.

The reversible alloy steel point is long wearing. It cuts operation costs since it needs resharpening only half as often as single end points.

A positive and quick acting power lift raises and lowers the main beam in and out of the ground. It is enclosed and is free from dirt. This lift requires no special service or lubricant.

The depth adjusting crank controls the desired plowing depth. It is enclosed in a housing that insures a constant lubricating bath, making adjustment easy.

The wheels and wheel hubs are reversible and can be used on either side or interchanged. This again lessens replacement costs.

Alemite fittings are used throughout. In the depth adjusting housing and the power lift shaft housing the parts are in a complete bath of grease.

SPECIFICATIONS

Weight—558 lbs.

Axle—2¼" high carbon steel

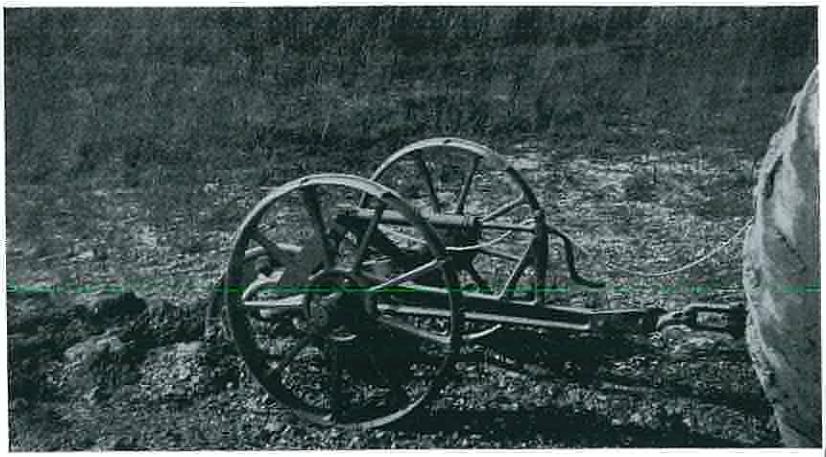
Beam—Electrically heat treated alloy steel

Point—Reversible—Forged heat treated steel

Power Lift—Positive and quick acting

Depth Control—Determines plowing depth

Lubrication Fittings—Alemite



PARTS LIST

Setting Up and Operating Instructions for

Taylor-Way

REG. U. S. PAT. OFF.

SUBSOILER

MODEL 100000

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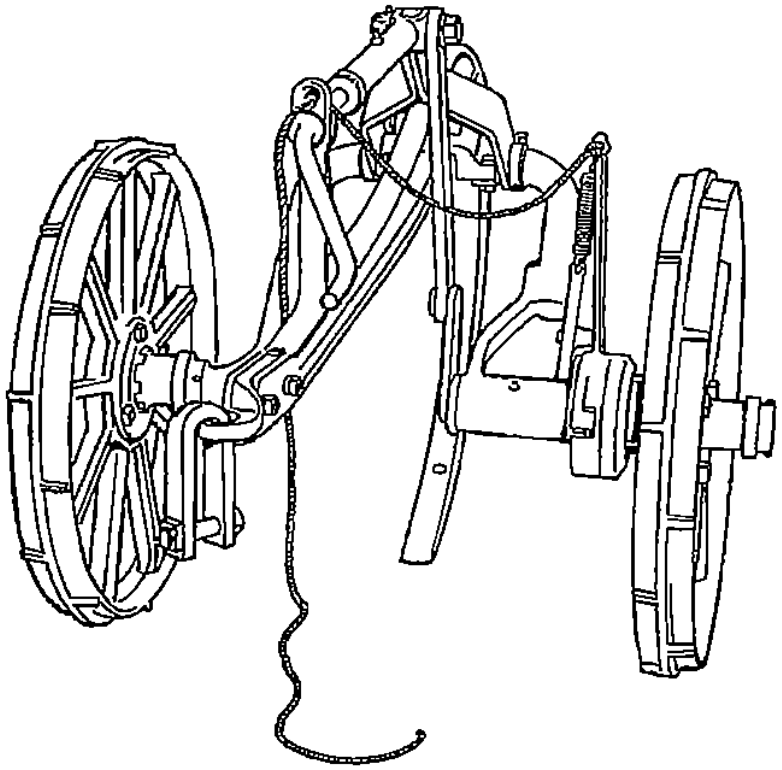

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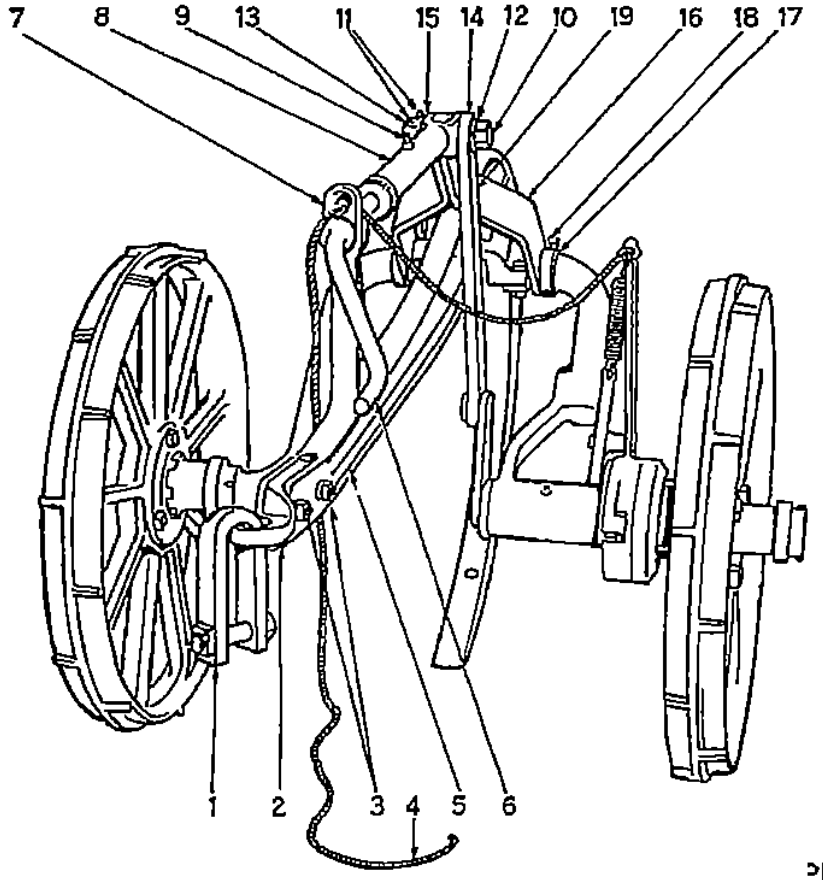

PLATE-1

Item	Part Number	Number Used	Part Name
1	103006	1	Clevis—w/Drilled Bolt—Nut—Cotter
1	103007	1	Clevis Less Bolt—Nut—Cotter
1	103008	1	Clevis Bolt Drilled w/Nut—Cotter
2	103005	1	Main Beam Clevis Holder
3		2	Machine Bolt ½" x 2¼"
3		2	Lock Washer ½"
4	103028	1	Trip Rope
5	103000	1	Main Beam
6	103011	1	Depth Crank Control
7	103010	1	Special Crank Washer
7		1	Cotter 5/16" x 1½"
8	103012	1	Depth Crank Housing
9		1	Alemite ⅛" Straight
10	103036	1	Drilled Bolt Less Nut
11	103037	1	Hex Slotted Nut ⅞"
12		2	Flat Washer ⅞"
13		1	Cotter 3/16" x 1½"
14	103035	1	Lift Slot Bushing
15	103046	1	Depth Crank Housing Bushing
16	103045	2	Depth Control Arm
16		1	Machine Bolt ⅜" x 1¾"
17	103044	2	Axle Collar
18		2	Set Screw ½" x 1"
19	103034	1	Lift Slot

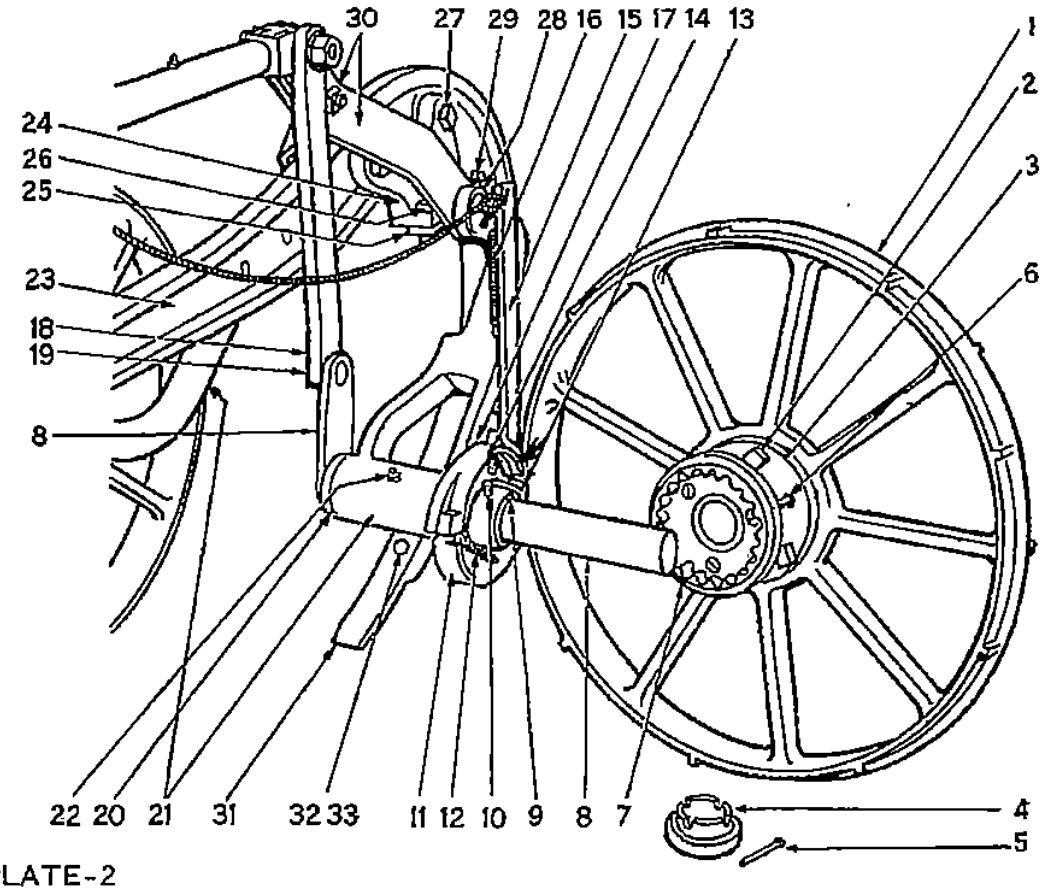

PLATE-2

Item	Part Number	Number Used	Part Name
1	103001	2	Wheel
2		6	Machine Bolt 5/8" x 2 1/2"
2		6	Lock Washer 5/8"
3	103017	2	Wheel Hub
4	103016	3	Hub Cap
5		3	Cotter 3/8" x 3 1/2"
6		3	Stove Bolt 3/8" x 4"
6		3	Lock Washer 3/8"
7	103018	1	Power Lift Ratchet Gear
8	103030	1	Power Lift Shaft
9	103023	1	Power Lift Shaft Key
10	103067	1	Roll Pin
11	103019	1	Power Lift Ratchet Housing
12	103022	1	Power Lift Ratchet Spring
13	103020	1	Power Lift Ratchet
14	103021	1	Power Lift Ratchet Pin
14		1	Cotter 3/16" x 1"
15	103024	1	Trip Lever
16	103027	1	Trip Lever Spring
17		1	Cotter 3/16" x 1"
18	103034	1	Lift Slot
19		1	Cotter 5/16" x 1 3/4"
20	103029	2	Power Lift Shaft Bushing
21	103038	1	Main Axle
22		1	Alemite 1/8" Straight
23	103000	1	Main Beam
24	103003	2	Axle Hanger
24		2	Alemite 1/8" Straight
25	103004	2	Axle Hanger Clamp
26		4	Machine Bolt 1/2" x 1 3/4"
26		4	Lock Washer 1/2"
27		2	Machine Bolt 3/4" x 3 3/4"
27		2	Lock Washer 3/4"
28	103044	2	Axle Collar
29		2	Set Screw 1/2" x 1"
30	103045	2	Depth Control Arm
30		1	Machine Bolt 5/8" x 1 3/4"
31	103002	1	Subsoiler Point
32	103047	1	Plow Bolt 5/8" x 3"
32		1	Lock Washer 5/8"
33	103046	1	Plow Bolt 5/8" x 4 1/2"
33		1	Lock Washer 5/8"

Setting-up Instructions for Model 100000

Taylor-Way SUBSOILER

Right and left is determined by standing at the rear of the *Taylor-Way* Subsoiler. The power lift is on the left side.

MAIN AXLE AND LIFT BUNDLE

Remove the three bolts (item 2 plate 2) from each wheel hub and attach wheels to hubs with small ends of tapered holes next to hubs. Insert bolts in the holes from the outside. The wheels will go on over the hub caps by slightly tilting the wheels.

Remove the cotter (item 17 plate 2) from the end of the trip lever and place lever in position to engage power lift; replace cotter. Loosen the set screws (item 29 plate 2) in each axle collar and move to each side of axle. Remove bolt that holds the 2 depth control arms (item 30 plate 2) and separate arms in order that main beam can pass between arms and be secured to the axle.

MAIN BEAM BUNDLE

Remove the 4 bolts (item 26 plate 2) from the axle hanger clamps and place the main beam bundle in the center of the axle with power lift on left side. Replace the 4 bolts from the top side and secure. Replace bolts in the depth control arms with head of bolt on power lift side. Replace axle collars, but do not set too close to arms as to cause them to bind. Tighten set screws making sure that the main beam is in the center of the axle.

Remove the hex slotted nut (item 11 plate 1) and flat washer (item 12 plate 1) from the end of the depth crank housing assembly. Remove lift slat (item 19 plate 1) and immediately place one end over pin on the power lift arm; (item 19 plate 2) replace cotter pin.

Remove the 7/8" drilled bolt (item 10 plate 1) from the end of the depth crank housing assembly and also remove the cotter (item 7 plate 1) in the depth crank control assembly. Place the ends of the 2 depth control arms (item 16 plate 1) in the bracket on the end of depth crank housing assembly. Replace 7/8" bolt. Place the 1½" bushing on the 7/8" bolt and thru the lift slat and left side of the bracket on the depth housing assembly. Replace flat washer, hex slotted nut and cotter.

Press down on front of main beam thereby bringing depth crank control assembly into position, place washer (item 7 plate 1) on crank next to the main beam bracket. Replace cotter, completely spread and fold back ends.

Attach trip lever rope to hole in trip lever and thread thru the hole in the main beam bracket above the depth crank.

OPERATING SUGGESTIONS

Before using the *Taylor-Way* Subsoiler be sure that all six Alemite fittings have been serviced. There are alemite fittings on each wheel hub; one on the power lift axle housing, (do not use excessive lubricants in the power lift axle housing as this can cause the lift to not function properly), one on the depth crank housing assembly, and one in each axle hanger on the sides of the main beam where it is fastened to the main axle assembly.

The depth control crank sets the desired plowing depth and the power lift lowers and raises the beam to the depth that has been set with the crank.

The point is reversible, and after one end has become dull it can be turned around, thereby holding down sharpening costs.

In the front of the main beam there are a series of holes which allow the clevis holder to be raised or lowered to suit the tractor drawbar height. Whenever possible use the center hole.

TAYLOR IMPLEMENT MANUFACTURING COMPANY

Athens, Tennessee

FORM 2 Rev. 2/56—2M