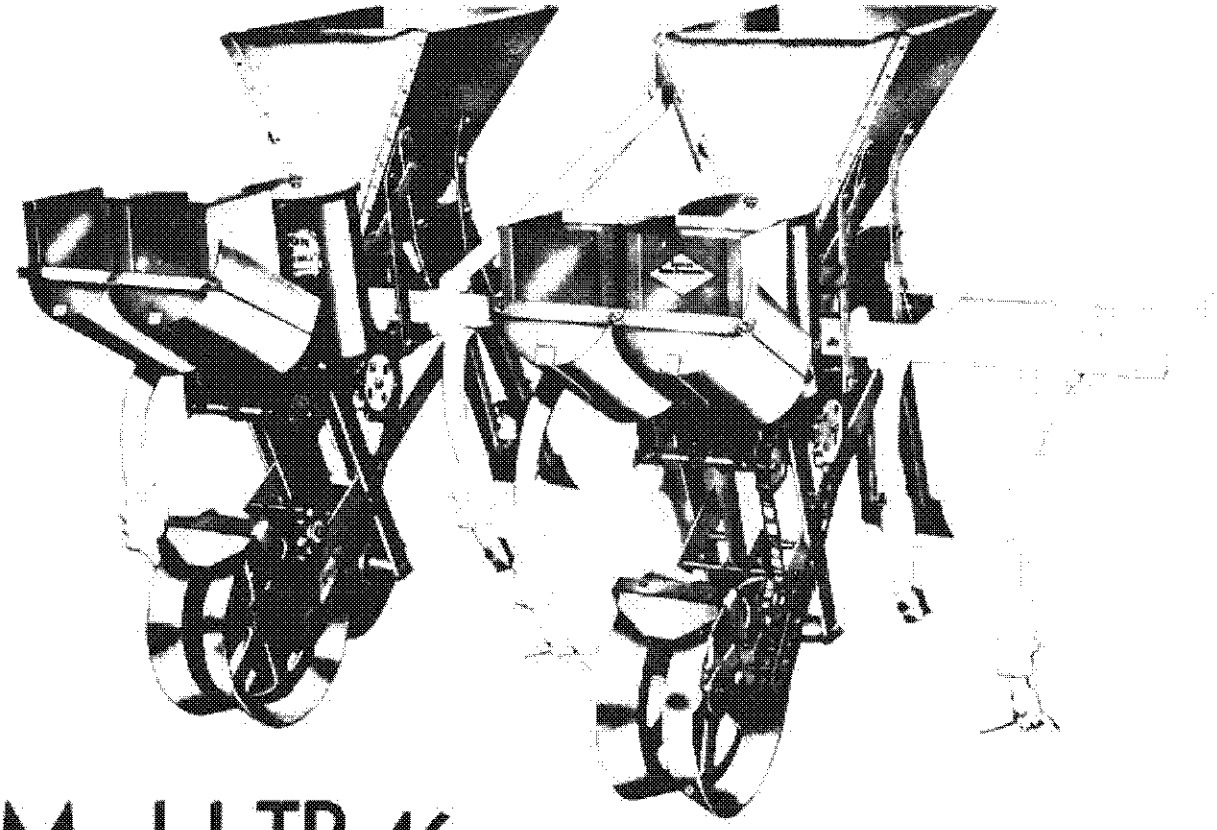
The Covington

COMBINATION PLANTER
and
FERTILIZER DISTRIBUTOR



Model TP-46

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Instructions for Attaching Covington Model TP-46 Planter to Cultivator Frame

We furnish with the planters two opening shovels 7x10", and four listing points 2¼x6". Attach two shovels to your two opening tines, and the four listing points to your four listing tines. Turn the cuffs on the listing tines around so that the plow shanks on which you bolt the listing points will be in front of the tines. The shanks, the opening shovels are on, are to be behind the front ends of the tines.

Remove the pull yokes on the front end of the planter frames and bolt these to the under sides of the front bar of the cultivator frame, setting the centers of the two yokes the distance apart you wish the rows to be; using the two bolts in the yokes and the two outside holes of the yokes. Next bolt the opening tines through the two center holes of the yokes. Next attach the lifting bars to the rear frame of the cultivator. These bars are tied to the planters.

Now run the front ends of the planter frames over these lifting bars and reconnect the yokes you have just bolted to the front bar of the cultivator frame. Now pull under the presser wheel frame and bolt ends to main planter frame, and under the upright front braces from the fertilizer box; and then bolt the ends of the opening disc bars to the rear ends of the main planter frames.

Next put the four listing tines on each side of the planter so that they will be 10 inches apart from center to center of the points.

Now take the double fertilizer spouts and slip them astride of the opening tines and fasten the lower end against the opening shovels, and the cross bar that is on the upper shovel bolt. Next place seed spout in the clamp just above the opening disc and attach upper end of spout, under the cotton seed can, with flat head bolt, which goes through main bottom. Now you have the planters properly set up and mounted, and ready for a tryout and adjustments.

HOW TO MAKE ADJUSTMENTS

If you want to plant below a level, let the opening shovel shank down and set plow more on its points, and then set listing points to fill in furrow to suit. If you wish to plant on a level or above the level, set opening plow to run shallow, or flat and set the listing tines wider apart and to run deeper, or use longer points or plows to raise list to height you wish.

You regulate the depth of covering by making adjustments up and down the slots in the frame holding the disc openers. The covering is done by the presser-drive wheels, and there will be no dragging or choking.

HOW TO PLANT WITHOUT BEDDING

If you don't bed your land before planting, you can plant and bed all at the same time. To do this you use the tine with the rolling coulter on it, but turn this tine around so that you can open a furrow for the rolling coulter to move in. This will let the rolling coulter into the subsoil. Set on the cultivator frame, two center-furrowing tines for plowing out the other two middles. Be sure to use plows large enough to break all the topsoil to destroy the little grass and weeds.

This method of planting is almost universally used in this section. It has many points of advantage over bedding, provided the soil is not of a wet nature. If you want 3-foot rows, set the tractor wheels 6 feet apart, bolt front and rear and middle breaking tines 3 feet apart, and let inside tractor wheels follow the last furrow and the tractor becomes your row marker.

Your tractor will work this way better on hillside land where there are curved rows, and then you save the cost of bedding.

MAKE ALL ROWS THREE FEET

A row 3 feet wide is about right for all crops, such as cotton, corn, peanuts, peas, beans, etc. By adopting a standard width row, you do not have to buy so many sizes of plows, and you have less adjusting to make with your cultivator and tractor.

FERTILIZER IN TWO STREAMS

As the fertilizer is distributed the flow is split in two streams about five inches apart, and the seeds are always planted exactly in the center of these two streams. As the seeds are not in contact with the fertilizer there will be no risk of damaging or killing the seed before they germinate, and further, as there is no fertilizer directly under the seed there will be no injury to the tap roots of the plants. You get better stands. Your plants will be more vigorous and will grow off faster, enabling you to give the plants quicker and better cultivation at the first operation and thereby helping to better destroy the first weeds and grass, and save you most or all of the expensive hoe work later on. The U. S. Dept. of Agriculture claims that the yields of all crops will be largely increased by so dividing the fertilizer into two streams as is done by all our present types of planters, both horse and tractor drawn.

HOW TO ADJUST THE FLOW OF FERTILIZER

Set the bolt that the upper end of the knocker's arm rests against, so that the vibrator pan will move back about 3/16 or ¼ of an inch. This will be enough motion to make the fertilizer work its way over the pan, and then adjust the gate at front end of pan up or down to give the amount you wish per acre.

HOW TO REGULATE COTTON SEED TO HILL

This is regulated by the depth the fingers reach into the seed can. The seed conveyor or adjuster is attached to the bottom of the seed hopper by a stove bolt, the head of which is seen in the bottom of the can. Loosen this bolt with a screw driver and adjust the conveyor in or out to regulate the number of seed in hill. Set dropping fingers all the same length and so that they will just miss the back wall of the seed conveyor. Whenever the conveyor is moved, reset fingers accordingly.

HOW TO PUT ON THE GRAIN ATTACHMENT

Remove the cotton seed dropping shaft as a whole by taking out the four stove bolts holding the bearings to the main frame; then set on the grain attachments and bolt back with the same bolts, and through the same holes at the end of the frame. Tie the grain attachment can to the main cotton seed can by bolting the bracket that is on the grain attachment through the hole which is about five or six inches from the bottom of the cotton seed can. Put in the grain attachment whatever kind of plates you wish to use, adjusting this plate in the grain attachment so that the plate will turn freely under the plate washer. This adjustment is made by a cone similar to the adjustment made in bicycle or automobile wheels. You can turn the cone down tight and lock the plate, causing the wheel to drag, so be careful that the adjustment is made so that loose motion in the plate is removed, but still left loose enough to turn freely.

DIFFERENT PLATES WILL PLANT DIFFERENT KINDS OF SEED

The plates we furnish, known as the corn plates can be used for planting all kinds of small seed such as sorghum, etc.—just as perfectly as if the plates were made for these particular seeds. The peanut plates that we furnish can also be used for planting such seed as peas, beans, and other round seeds that are too large to be planted with corn plates. Chemically delinted cotton seed can be planted perfectly with the large peanut plate; peas and beans can also be planted with the same plate.

For planting snap beans, it is best to plant these with a special plate made to work inside the cotton seeds hopper. We have this plate and can furnish it on special orders.

DRILLING ATTACHMENT FOR VERY SMALL SEED

We make an attachment to be used in the regular cotton seed can for drilling very small seeds such as cabbage, turnips, collards, etc. When this attachment is wanted, we can furnish it, and will send along with it directions on how to use. This attachment will drill small seed as perfectly as can be done with any regular garden drilling planter.

HOW TO PLANT BEANS AND CORN AT THE SAME TIME

If you wish to plant velvet beans, soy beans, peas, etc., with corn, you plant the corn out of the grain attachment and the other seed out of the regular cotton seed can, and to do this, first remove the cotton stirrer or agitator from the cotton seed hopper.

Next remove the cotton seed conveyor from the bottom of the seed hopper, so as to make the hole large enough for the beans to pass out. This conveyor is held in bottom by a flat head stove bolt, which is reached by a screw driver through the main hopper.

Then put the bean plate in bottom and fasten same as was the seed stirrer and fasten the cut-off brush over plate and through the cotton seed slot in the rear of big can. Put the bean plate and brush in position before you bolt grain attachment in hole just above the cottonseed slot. We furnish a four hole bean plate. If you wish only two holes plug the other two holes. You can make this plate plant the distance you wish by changing the size of the sprocket.

USE OF SPROCKETS EXPLAINED

You will notice in all the tables of distances that the sprockets work in pairs, for example: "12x6." Each figure represents the number of teeth on the sprocket, and the first figure, or sprocket, is always the driving or pulling sprocket, and the second figure is the driven or pulled sprocket. So don't forget this.

REPAIR PARTS FOR MODEL TP-46 TRACTOR DRAWN PLANTERS

33	Steel Sprocket Chain, Per Ft.
C 94	Plate Brush, each
C802	Cotton Seed Conveyor, each
C804	10-Tooth Pinion Gear, each
C809A	Steel Finger Plate, Complete With Four Fingers, each
C809	Steel Plate, each
C811	Dropping Fingers, each
C817	6-Tooth Sprocket, each
C818	8-Tooth Sprocket, each
C819	10-Tooth Sprocket, each
C845	Presser Wheel, One Half, each
C853	Cotton Seed Stirrer, each
C857	Main Can Ring, each
C864	6-Tooth Idler Sprocket, each
C864B	Pipe Spacer, ½ x 1-⅜", for Idler, ea.
TP 1	Dropping & Stirring Shaft Brg., ea.
TP 7	12-Tooth Sprocket, each
TP 14	Presser Wheel Shaft Bearing, each
TP 19	12" Opening Disc, each
TP 19A	12" Opening Disc, Complete with TP503, and TP49A, (Before 1963), ea.
TP 30	Presser Wheel Shaft, S. E., each
TP 31	Presser Wheel Shaft, Plain End, ea.
TP 32	Sprocket Bushing, each
TP 33	Pull Yoke Bearing, each
TP495	Vegetable Drilling Attachment, pair
TP500	Main Hopper Bottom, each
TP500A	Main Hopper Bottom, Complete with C853, C802, TP501 & seed agitator, ea.
TP501	18-Tooth Plate Gear, each
TP502	Pinion Gear, each
TP503	Disc Bearing (Before 1963)
TP504	Disc Bearing Spacer (Before 1963)
TP513	Disc Bearing (1963-)
TP514	Disc Bearing Spacer (1963-)
TP515	Disc Bearing End Cap (1963-)
TP516	Pipe Bushing for TP513, ¾x3⅛" (1963-)
TP517	Disc Bearing Unit (Consists of TP513, TP514, TP515, TP516 (1963-)
TP518	Disc Bearing Kit Consists of TP517 (2) and TP49B (1963-)
TP507	4-Hole Velvet Bean Plate, each
TP508	6-Hole Delinted Cottonseed Plate, ea.
TP509	36-Hole Snap Bean Plate, ea.
C828	8-Hole Sorghum Plate, ea.
C867	48-Hole Soybean Plate, ea.
C870	Blank Plate, ea.

PLANTER STEEL PARTS

TP 35R	Main Angle Frame 33¾" Right, ea.
TP 35L	Main Angle Frame 33¾" Left, ea.
TP 36	Main Seed Can (Round) each
TP 36A	Cover for Main Seed Can, each
TP 37	Seed Agitator for Main Seed Can, ea.
TP 38	Stirring Shaft only, 7/16x10¾", each
TP 39	Stirring Shaft Complete with Pipe Space Bushing, each
TP 40	Stirring Shaft, Complete with TP1, TP2, TP7, TP502 and TP32, each
TP 41	Pipe Space Bushing, for Stirring Shaft, Size ½x1-15/16", each
TP 42	Pipe Space Bushing for Stirring Shaft, Size ½x5⅝", each
TP 43	Dropping Shaft only, (7/16x10"), ea.
TP 44	Dropping Shaft Complete with C809, C811, C818, TP1, TP32 and ½" Pipe Space Bushings
TP 45	Dropping Shaft Complete with all Pipe Space Bushings, each
TP 46	Dropping Shaft Pipe Space Bushings, ½x3⅜", each
TP 47	Dropping Shaft Pipe Space Bushings, ½x4-1/16", each
TP 48	Square Hole Washer (1⅝x15/32") for Stirring and Dropping Shaft, ea.

TP 49A	Pipe Bushing for TP503 Disc Bearing, Size ¾x3¼", (Before 1963)
TP 49B	9/16x10" Sq. Steel Axle for Disc Bearing, each
TP 50	Opening Disc Braces, Pair of 2
TP 51	⅜x9¼" Carriage Bolt with ⅜x8" Pipe Space Bushing for Opening Disc
TP 51A	⅜x9¼" Carriage Bolt for Opening Disc, each
TP51B	⅜x8" Pipe Space Bushing for Opening Disc, each
TP 52	Seed Spout Main Support complete with ⅜x8½" Carriage Bolt & Pipe Bushing and TP619 (2), each
TP 52A	⅜x8½" Carriage Bolt for Seed Spout Support, each
TP 52B	Pipe Space Bushing for Seed Spout Support, ⅜x2⅛", pair
TP 52C	Pipe Space Bushing for Seed Spout Support, ⅜x1½", each
TP 53	Pipe Bushing for Support of Stirring Shaft, Size, ¼x1-7/16", each
TP 54	Presser Wheel Scrape Complete, ea.
TP 55	Presser Wheel Scrape, each
TP 56	Presser Wheel Scrape Braces, Pr. of 2
TP 57	Presser Wheel Pipe Space Bushing ¼x1¾", each
TP 58	Presser Wheel Assembly with Opening Disc Complete, each
TP 59	Presser Wheel Pull Arm, each
TP 60	Rear Lift Yoke, Complete, ea.
TP 60A	Rear Lift Yoke Bracket, each
TP 60B	Rear Lift Yoke Pipe Space Bushing, ea.
TP 60C	7/16x5" Carriage Bolt for Rear Lift Yoke, each
TP 62	Steel Washer 1½x13/32" for TP31 Shaft, each
TP 63	Steel Plate Washer, 2x13/32", ea.
TP 64	Grease Fitting, ⅛" Pipe Thread, ea.
TP 65	Can Rod for Main Can & Grain Attachment ¼x12½", each
TP 66	Seed Spout (Main), each
TP 69	Opening Shovel (7x10"), each
TP 70	Opening Shovel (7x10") complete with Bolts and Brackets
TP 70A	Fertilizer Spout Yoke, each
TP 70B	Fertilizer Spout Yoke Pipe Spacer
BC 42	Bolt for Opening Shovel, 7/16 x 3" Carriage, each
TP 72	Bolt for Opening Shovel, 7/16x1½" Carriage, each
TP 73	Cultivator Point (2½x6"), each
TP 74	Cult. Point (2½x6"), Comp. with Bolts, each
TP 75	Bolt for Cult. Point 7/16x1¾", each
TP120	Yoke, Frame Spacer, ea.
TP149	Idler Bracket (Long Slotted Offset) for C864
TP150	Idler Complete (w/TP 149)
TP151	Idler Complete (w/TP 745)
TP619	Seed Spout (Main) Support Bracket
TP691	Front Pull Yoke, Spec. for 3" Pittsburgh Cult. Frame
TP692	Opening Disc Assy. Comp w/ TP513, TP514, End Cap, Bushing and Brace (1963-)
TP745	Idler Bracket (Short Slotted Offset) for C864

DISTRIBUTOR PARTS

TP 2	Drive Vibrator, each
TP 34	Vibrating Pan Bushing, each
TP 77	Fertilizer Spout, each
TP 78	No. 2 Vibrator Spring, each
TP 79	Vibrating Pan Complete with Yoke,* No. 2 Vibrating Spring, Pipe Bushing and Bolt, each
TP 79A	Vibrating Pan (Riveted Assembly)
TP 80	Vibrating Pan Yoke, each
TP 81	Vibrating Pan Bushing, ¾x3" Pipe, each
TP 81A	5/16x3¾" Carriage Bolt for Vibrating Pan Yoke, each
TP 82	Vibrating Arm with Bolt, each
TP 82A	Vibrating Arm only, each
TP 83A	Fertilizer Box, each
TP 84A	⅜x¾" Machine Bolt with Wing Nut for Fertilizer Box Cut-off Gate, each
TP 84B	Fertilizer Box, with Cut-off Gate, each
TP 85	Fertilizer Box Cut-off Gate, each
TP86FA	Fertilizer Box End (Metal) Front
TP86RA	Fertilizer Box End (Metal) Rear
TP 87	Front Fertilizer Box Brace, each
TP 87A	Box Steady Brace, each
TP 88	Rear Fertilizer Box Brace, each

SINGLE GRAIN ATTACHMENT PARTS

C900	Grain Attachment, Bottom, each
C900A	Grain Attachment, Bottom Complete with C901, C908, TP910, ea.
C901	16-Tooth Plate Gear, ea.
C908	Adjustment Cone, ea.
TP910	Plate Washer for Grain Attachment, each
TP 61A	Stud Bolt (for G. A. Bottom), ⅜x1¾" Cge. with Sq. Nut, ea.
TP 89	Grain Attachment Shaft, only, 7/16x10", ea.
TP 90	Grain Attachment Shaft, Complete with Pipe Space Bushings
TP 91	Grain Attachment Shaft, Complete with C804, C818, TP1 and TP32, ea.
TP 91A	Pipe Space Bushing, Size ½x5-5/16" for Grain Attachment Shaft, ea.
TP 91B	Pipe Space Bushing, Size ½x2½" for Grain Attachment Shaft, ea.
TP 93	Grain Attachment Bracket Holder, each
TP 94	Grain Attachment Seed Can, ea.
TP702	Adjusting Gate (for G. A. Can), ea.
TP 95	Grain Attachment Seed Spout, ea.
TP 96	Grain Attachment, Complete with Plates
TP 97	Tilt Bracket Anchor (Sing. G. A.)
C904	4 Cell Corn Plate, ea.
C905	8 Cell Peanut Plate, ea.
C906	16 Cell Peanut Plate (Spanish), ea.
C907	6 Cell Corn Plate, ea.
TP525	10 Cell Hybrid Corn Plate, Med. Flat
TP527	10 Cell Hybrid Corn Plate, Small Rd.
TP528	10 Cell Hybrid Corn Plate, Med. Rd.
TP529	10 Cell Hybrid Corn Plate, Lge. Rd.
TP530	16 Cell Soy Bean Plate
TP531	16 Cell Popcorn or Sorghum Plate
TP532	16 Cell Peanut Plate (Large)
TP533	20 Cell Delinted Cottonseed Plate
TP534	10 Cell Corn Plate, Small, Single Cross Hybrid, each
TP537	16 Cell Peanut Plate, Jumbo Seeded Florigiant, each
TP538	10 Cell Hybrid Corn Plate, Large Flat, each
TP539	28 Cell Peanut Plate, Small Seeded Spanish, each
TP540	2 Cell Velvet Bean or Watermelon Plate, ea.
TP548	37 Cell Soy Bean Plate, ea.
TP550	Sunflower Plate, ea.

RUBBER TIRE

TP649	Rubber Tire (for Press Wheel), ea.