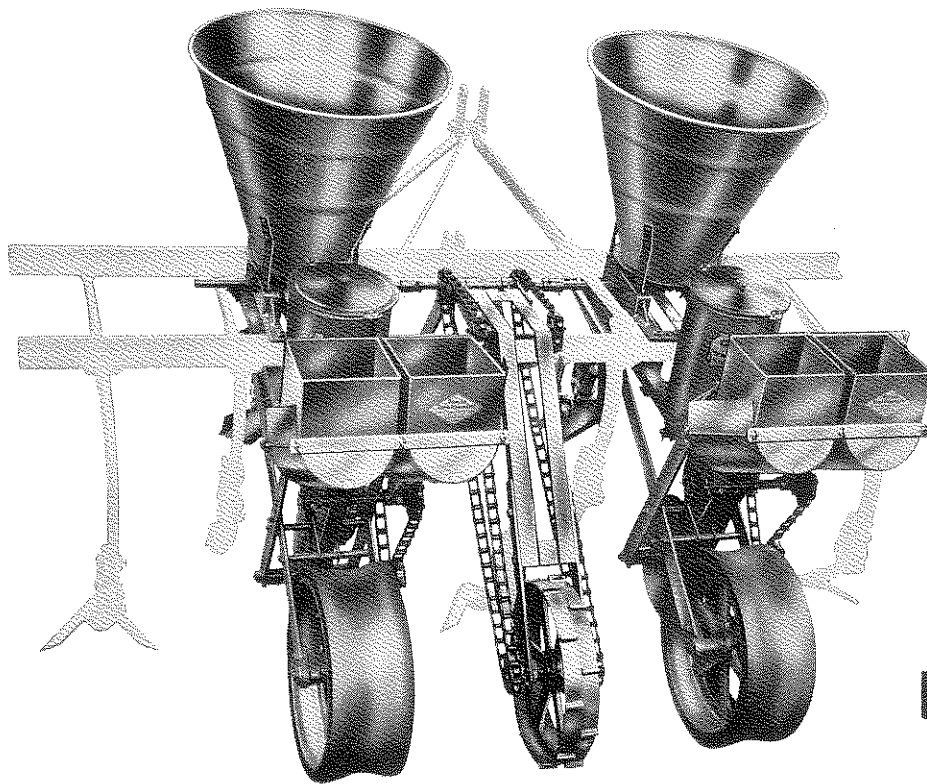


# COVINGTON



**Model TP-61**

## *Features*

1. Rotary fertilizer distributors are independently driven by center wheel.
2. Rubber tires, as shown on planters above, are optional.
3. Removal of four bolts allows planters to be taken from frame. Leaves the fertilizer distributors in place for side-dressing.



**W. F. COVINGTON PLANTER CO., Inc.**

**DOTHAN, ALA.**

# INSTRUCTIONS FOR COVINGTON MODEL TP-61 PLANTERS

## (ASSEMBLING, MOUNTING AND OPERATING)

The Covington Model TP-61 planters are designed for mounting on a rigid cultivator similar to that shown on the front cover. Two rows are planted and fertilized at one time and row width may be varied by moving the planters closer together or further apart.

### ASSEMBLING AND MOUNTING

#### Planter Units

Set up cultivator frame first. Set opening tines, spacing them right and left of the center tine one-half of the row spacing desired. Set listing tines so they will be 12 inches apart. Set outside center-furrow tines so they are one row width from the center tine.

Remove the pull yokes from the front end of the planter frames. Bolt them underneath the front bar of the cultivator frame—between the opening tine and the cultivator frame bar. Attach the lift yokes underneath the rear frame of the cultivator. These yokes are wired to the planter frame.

Place each planter frame in position on the cultivator frame by sliding over the lift yoke and re-connecting the pull yoke to the front of the planter frame.

Insert the main seed spout in the seed spout holder, on the wheel assembly, with the tab on top of the spout pointing in the direction of the discs. Pull the presser wheel assembly under the planter frame and bolt the pull arms to the planter frame. Bolt the opening disc braces to rear ends of the planter frames.

Attach upper end of main seed spout, under the main seed can, using the flat head bolt which goes through the main bottom. Place chain on each planter and make certain each planter turns freely. The planters are now set up and mounted.

#### Fertilizer Units

Attach bearing support for center drive wheel. This part goes between cultivator frame and center tine on underneath side of cultivator frame. Put center drive wheel in place, astride bearing, and secure in place with drive pipe. Be sure to place flat side of each sprocket against self-aligning bearing. After making sure that teeth of drive wheel sprockets are lined up with each other, install chain on both sides of wheel. Make certain that wheel turns freely. Attach clip bars for hold-down spring to center-furrowing tine. Slip spring bolt through hole in spring barcket. Reassemble hold-down with spring on top.

Attach fertilizer units, centering one over each planter. Fertilizer support frame with one hole in end of each bracket goes to front and mounts on top of front cultivator frame bar. Bolt rear end of support frame to rear cultivator frame bar with pipe spacers between cultivator and fertilizer frame. Install driven pipe through self-aligning bearings of each fertilizer support—cotter pin hole goes towards center bearing. Place pinion on right end and locking collar on left end of each driven pipe. Connect pipes with universal sleeve then set and secure screws in pinions and locking collars.

Attach flexible spout to fertilizer spout using tab. Attach fertilizer spout to rear at fertilizer support frame cross bar. Attach "V" spout to bottom bolt on operating plow, placing washer next to shank and pipe spacer next to washer. Place flexible spout in "V" spout and bolt in place.

Planters and fertilizer are now ready for tryout and adjustments.

### OPERATING

#### Shape of Finished Row

If you want to plant below a level, let the opening plow shank down and set plow more on its points, then set listings points to fill in furrow to suit. If you want 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.

#### Depth of Covering

You regulate the depth of covering by raising or lowering the presser wheel—loosen bolts at slot on disc braces, then wheel can be adjusted. Raising the wheel allows the double disc furrow opener to enter the soil deeper thus placing the seed deeper. Lowering the wheel raises the discs thus placing the seed shallower. The covering is done by the presser wheel, and there will be no dragging or choking.

#### Row Spacing

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

#### How to Adjust the Flow of Fertilizer

Rate of flow of fertilizer is determined by the size of the opening between the lower edge of the cut-off gate and the bottom. Raise the gate to increase fertilizer flow, lower the gate to reduce flow. Set each gate to the same opening, using guide marks on the gates to align with the top of the scrape.

#### 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 main 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 a 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 Attach 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 attachment and bolt back with the same bolts, and through the same holes at the end of frame. 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 all loose motion in the plate is removed, but still left loose enough to turn freely.

### Plates Will Plant Different Seeds

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 the corn plates. Chemically delinted cotton seed can be planted perfectly with the larger peanut plate; peas and beans can also be planted with the same plate.

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

### Drilling Very Small Seeds

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 it. 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, plant the corn out of the grain attachment and the other seed out of the regular cotton seed can.

To utilize the cotton seed can proceed as follows:

1. Remove the cotton stirrer, or agitator from the cotton seed hopper.
2. Remove the cotton seed conveyor from the bottom of the seed hopper. This conveyor is held in the bottom by a flat head stove bolt which is reached by a crew driver through the main hopper.
3. Put the bean plate in bottom and fasten same as was the cotton stirrer. Fasten the cut-off brush over the plate and through the cotton seed slot in the rear of the big can. It is easier to fasten the bean plate and cut-off brush in position before bolting the grain attachment bracket to the hole just above the cotton seed slot. The bean plate and cut-off brush are not furnished as standard equipment but they are stocked at all times and can be supplied immediately upon receipt of order.

NOTE: To plant corn and another seed at the same time it will be necessary for you to select three sprockets—

1. The driving sprocket (this is the one on the presser wheel).
2. The driven sprocket for the grain attachment.
3. The driven sprocket for the bean plate (located on the end of the stirring shaft).

## REPAIR PARTS FOR MODEL TP-61

33	Steel Sprocket Chain, Per Ft.....
C 94	Plate Brush, each.....
C802	Cotton Seed Conveyor, each.....
C804	10-Tooth Pinion Gear, 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.....
TP864A	Idler Complete, ea.....
C864B	Pipe Spacer, ½x1-½", for Idler, ea.....
TP 1	Dropping & Stirring Shaft Bearing, 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 19B	12" Opening Disc, Complete with TP513, and TP516, 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, each.....
TP504	Disc Bearing Spacer, each.....
TP513	Disc Bearing (1963- ).....
TP514	Disc Bearing Spacer (1963- ).....
TP515	Disc Bearing End Cap (1963- ).....
TP516	Pipe Bushing for TP513, ¾x3½" (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.....
C828	8-Hole Sorghum Plate.....
C867	48-Hole Soybean Plate.....
C870	Blank Plate.....

### 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.....
TP693	Stirring Shaft, 7/16x10", each.....
TP694	Stirring Shaft Complete with Pipe Space Bushings, each.....
TP695	Stirring Shaft, Complete with TP1, 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 ½x5/8", 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 Bushing, ½x3/8" each.....
TP 47	Dropping Shaft Pipe Space Bushing, ½x4 1/16", each.....
TP 48	Square Hole Washer (1½x15/32") for Stirring and Dropping Shaft, ea.....
TP692	Opening Disc Assy., Comp. with TP513 TP514, End Cap, Bushing & Brace, ea.....

TP 49A	Pipe Bushing for TP503 Disc Bearing, Size $\frac{3}{4} \times 3\frac{1}{4}$ ", (Before 1963).....	TP668	Cone Support Spacer Tubing, ea.....
TP 49B	$9/16 \times 10$ " Sq. Steel Axle for Disc Bearing, each.....	TP669	Drive Shaft, $\frac{1}{2} \times 20$ ", Pipe, ea.....
TP 50	Opening Disc Braces, Pair of 2.....	TP670	Drive Shaft, $\frac{1}{2} \times 14$ ", Pipe, ea.....
TP51	$\frac{3}{8} \times 9\frac{1}{4}$ " Carriage Bolt with $\frac{3}{8} \times 8$ " Pipe Space Bushing for Opening Disc.....	TP671	Locking Collar, ea.....
TP 51A	$\frac{3}{8} \times 9\frac{1}{4}$ " Carriage Bolt for Opening Disc, each.....	TP672	Set Screw, $5/16 \times \frac{1}{2}$ ", ea.....
TP 51B	$\frac{3}{8} \times 8$ " Pipe Space Bushing for Opening Disc, each.....	TP673	Fertilizer Spout (at Can), ea.....
TP 52	Seed Spout Main Support complete with $\frac{3}{8} \times 8\frac{1}{2}$ " Carriage Bolt & Pipe Bushing and TP619 (2) each.....	TP674	Flexible Spout, ea.....
TP 52A	$\frac{3}{8} \times 8\frac{1}{2}$ " Carriage Bolt for Seed Spout Support, each.....	TP675	"V" (Divided) Spout, ea.....
TP 52B	Pipe Space Bushing for Seed Spout Support, $\frac{3}{8} \times 2\frac{1}{2}$ ", paid.....	TP676	Pipe Spacer for "V" Spout, ea.....
TP 52C	Pipe Space Bushing for Seed Spout Support, $\frac{3}{8} \times 1\frac{1}{2}$ ", each.....	TP677	"U" Joint Sleeve, ea.....
TP 53	Pipe Bushing for Support of Stirring Shaft size, $\frac{1}{4} \times 1-7/16$ ", each.....	TP678	Support for Center Bearing, ea.....
TP 54	Presser Wheel Scrape Complete, ea.....	TP679	Bearing Arm, ea.....
TP 55	Presser Wheel Scrape, each.....	TP680	Main Frame, ea.....
TP 56	Presser Wheel Scrape Braces, pr. of 2.....	TP681	Pull Arm, ea.....
TP 57	Presser Wheel Pipe Space Bushing $\frac{1}{4} \times 1\frac{3}{4}$ ", each.....	TP111	Idler Bracket for C-864 Sprocket, ea.....
TP 58	Presser Wheel Assembly with Opening Disc Complete, each.....	TP682	Pipe Spacer, $\frac{1}{2} \times 1\frac{3}{4}$ ", for Idler, ea.....
TP 59	Presser Wheel Pull Arm, each.....	BC 15	Bolt for Idler, $\frac{3}{8} \times 2\frac{1}{2}$ ", Cge., ea.....
TP 60	Rear Lift Yoke, Complete, each.....	X 20	Hold Down Spring Assy., ea.....
TP 60A	Rear Lift Yoke Bracket, each.....	TP757	Hold Down Spring, ea.....
TP 60B	Rear Lift Yoke Pipe Space Bushing, ea.....	TP688	Spring Adj. Rod (Eyebolt), ea.....
TP 60C	$7/16 \times 5$ " Carriage Bolt for Rear Lift Yoke, each.....	TP761	Pipe Spacer for Eyebolt, ea.....
TP 61	Steel Idler Bracket for C864 6-Tooth Sprocket, each.....	TP689	Foot Clamp for Spring Assy., ea.....
TP 62	Steel Washer $1\frac{1}{2} \times 13/32$ " for TP31 Shaft, each.....	TP687	Hold Down Spring Bracket, ea.....
TP 63	Steel Plate Washer, $2 \times 13/32$ ", each.....	TP684	Mono Spout Only, ea.....
TP 64	Grease Fitting, $\frac{1}{8}$ " Pipe Thread, ea.....	TP685	Mono Spout w/Bolt & Spacer, ea.....
TP 65	Can Rod for Main Can & Grain Attachment $\frac{1}{4} \times 12\frac{1}{2}$ ", each.....	TP686	Split Stream Spout, ea.....
TP 66	Seed Spout (Main), each.....	TP690	Drive Shaft, $\frac{1}{2} \times 40$ " Pipe, ea.....
TP619	Seed Spout (Main) Support Bracket.....		
TP 68	Front Pull Yoke, each.....		
TP691	Front Pull Yoke, Spec. for 3" Pittsburgh Cult. Frame.....		
TP120	Yoke. Frame Spacer, ea.....		
TP 69	Opening Shovel ( $7 \times 10$ " ), each.....		
BC14	Bolt for Opening Shovel, $7/16 \times 2\frac{1}{2}$ " Carriage, each.....		
TP 72	Bolt for Cult. Point, $7/16 \times 1\frac{1}{2}$ " Carriage, each.....		
TP 73	Cultivator Point ( $2\frac{1}{2} \times 6$ " ), each.....		
TP 74	Cult. Point ( $2\frac{1}{2} \times 6$ " ), Comp. with Bolts, each.....		
TP 75	Bolt for Cult. Point or Opening Shovel, $7/16 \times 1\frac{3}{4}$ ", each.....		

**DISTRIBUTOR PARTS**

TP650	Rotary Bottom, ea.....
TP651	Support Cone, ea.....
TP652	Self-Aligning Bearing, ea.....
TP653	16-Tooth Pinion Gear, ea.....
TP654	6-Tooth Sprocket, ea.....
TP655	Cut-Off Gate, ea.....
TP656	Fertilizer Scrape, ea.....
TP657	Grease Fitting— $\frac{1}{8}$ " 30 Deg., ea.....
TP658	Drive Wheel, ea.....
TP659	Drive Wheel Shaft, ea.....
TP660	Center Bearing, ea.....
TP661	Fertilizer Can, ea.....
TP662	Fertilizer Can Baffle, ea.....
TP663	Cradle Support for Fert. Can, ea.....
TP664R	Frame Attaching Bracket, Right, ea.....
TP664L	Frame Attaching Bracket, Left, ea.....
TP665	Attaching Brkt. Spacer, ea.....
TP666	Pipe Spacer, $\frac{3}{8} \times 1\frac{5}{8}$ ", ea.....
TP667	Nylon Wear Washer, ea.....

**SINGLE GRAIN ATTACHMENT**

C900	Grain Attachment Bottom, ea.....
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), $\frac{3}{8} \times 1\frac{3}{4}$ " Cge. with Sq. Nut, ea.....
TP 89	Grain Attachment Shaft, only, $7/16 \times 10$ ", 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 $\frac{1}{2} \times 5-5/16$ " for Grain Attachment Shaft, ea.....
TP 91B	Pipe Space Bushing, Size $\frac{1}{2} \times 2\frac{1}{2}$ " for Grain Attachment Shaft, ea.....
TP 93	Grain Attachment Bracket Holder, ea.....
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.....
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.....

NOTE: Plates marked \* are made R or L, either will fit single G/A.

**RUBBER TIRE**

TP649	Rubber Tire (for Press Wheel), ea.....
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**W. F. COVINGTON PLANTER CO., Inc., DOTHAN, ALA.**