

## RETRACTABLE CASTER ATTACHMENT For Steel Stands

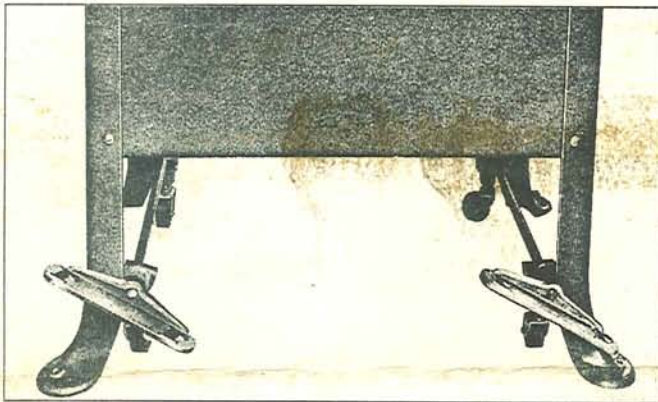


Figure 1

### OPERATING AND MAINTENANCE INSTRUCTIONS

The caster attachment greatly increases the portability of your Delta machines. It makes it easy for you to move your Delta machines from one location to another, as well as simplify your shop arrangement and will also simplify keeping your shop or room clean by moving the machines out of the way. This caster attachment is so designed that your machine will rest solid and steady when attachment is not in use.

There is nothing to maintain, and there are very few moving parts. A few drops of oil on the casters and grease on the pivot pin occasionally will enable them to roll freely and also will prolong their use.

### INSTALLATION

Installation of this attachment can be easily done if the following instructions are followed:

1. The shafts should be fitted across the narrow side of steel stand.
2. When assembling cams to shaft, be sure the proper cam holes are selected for the correct width of steel stand. See Figure 7.
3. Assemble the cams, MS-103 on both shafts, one cam on each shaft. Cam on foot lever end of shaft assembled in place at factory. Place flat side of cams on bench as shown in Figure 2, with foot lever hole to the left and drive in pins SP-2733. Cams on each shaft to match when assembled.

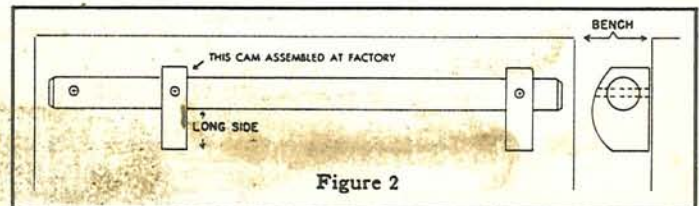


Figure 2

4. Assemble wave spring washer MS-109 and caster mount bracket on one shaft and spring washer and bracket on the opposite shaft, as shown in Figure 3.

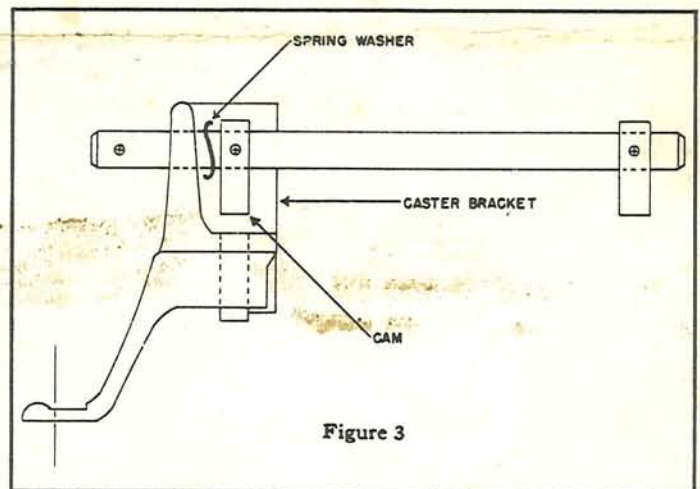


Figure 3

5. Start pin SP-2719 in foot lever. Assemble foot lever to shaft and drive pin through shaft holding parts as shown in Figure 4. Foot lever can be assembled to each shaft in same manner.

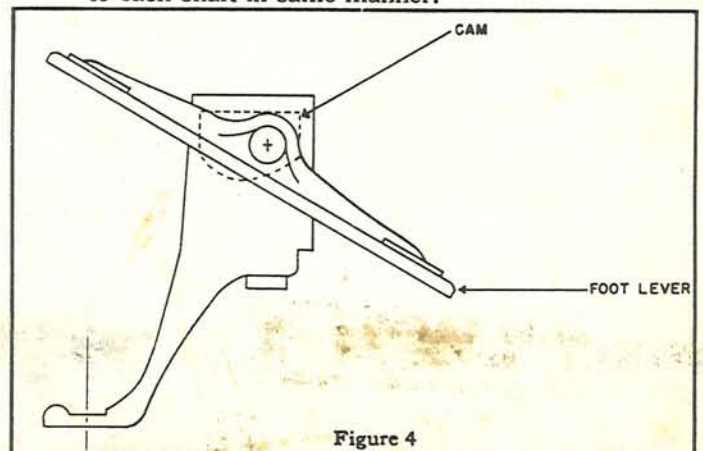


Figure 4

6. Tilt machine stand by placing a 2 x 4 under it so that the steel stand legs will be off of floor about 2 inches, as shown in Figure 5. Place caster mount bracket with shaft and foot lever inside and under steel stand leg and put flat head machine screw through the holes in steel leg and bracket from the bottom and apply washer and nut, however, do not tighten too securely. Next, place spring washer on shaft and also fibre washer DSS-36 and assemble caster mount bracket on opposite end of shaft and place bracket on inside of steel leg and fasten in place with flat head machine screw washer and nut. Now tighten both nuts securely. This same method of application is to be followed in assembling shaft to opposite pair of steel legs.

The fibre washers DSS-36 are to be used as shims. These washers can be placed on the shaft end opposite the foot lever and between the spring washer and caster mount.

If, after complete assembly with caster mounts bolted to stand, the shafts extend beyond the steel stand opposite foot lever side, extended stock may be cut off to suit. Refer to drawing and Table 1 to identify the parts mentioned in these instructions.

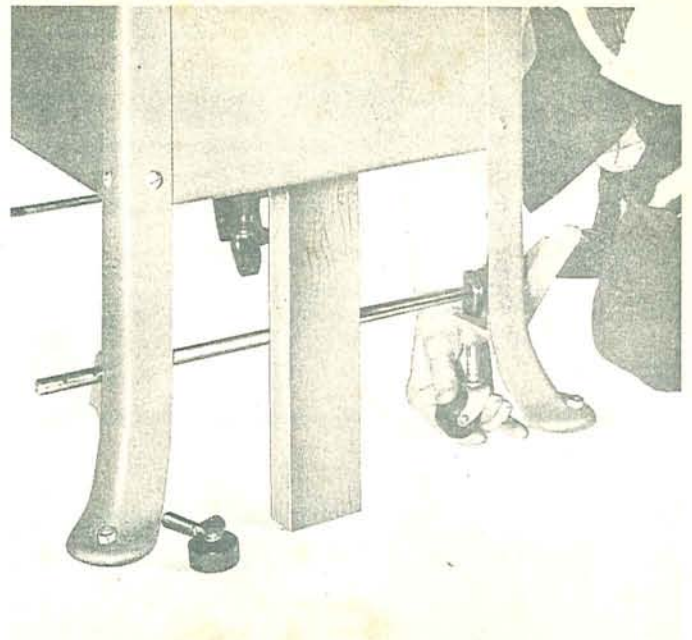


Figure 5

*Note: Before assembling caster set to stand, we suggest that the foot levers be on the side of the stand which would be most convenient for use.*

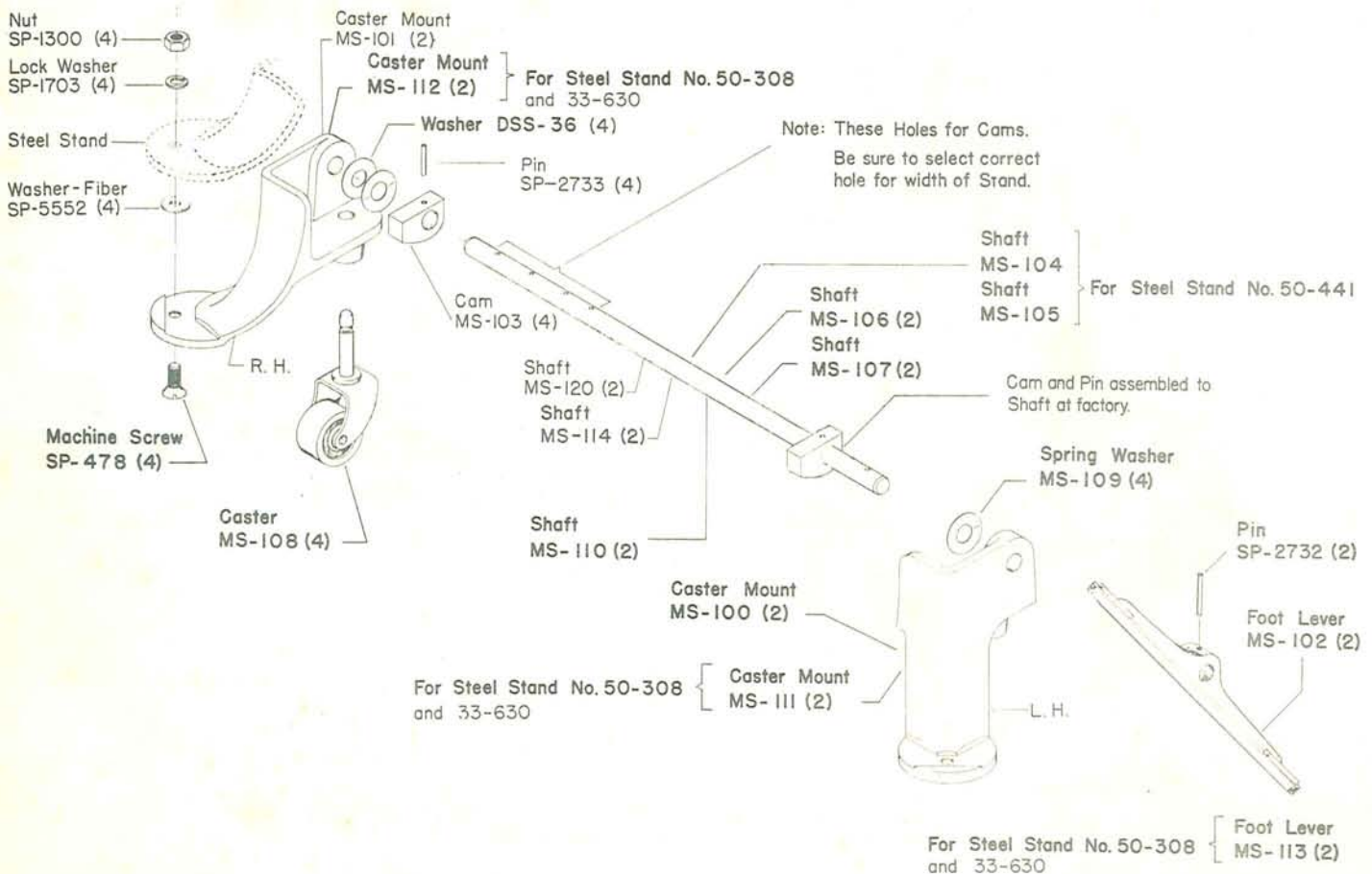


Figure 6

TABLE FOR SELECTING PROPER CAM HOLE  
ACCORDING TO WIDTH OF STEEL STAND

CASTER SET CAT. NO.	MACHINE STAND NO.	
49-360	50-308	SHAFT MS-110 - 2 REQ'D DELTA SHOP 34-532
		SHAFT MS-110 - 2 REQ'D DELTA SHOP 34-535
		SHAFT MS-110 - 2 REQ'D DELTA SHOP 34-620
		SHAFT MS-110 - 2 REQ'D DELTA SHOP 34-630
		SHAFT MS-110 - 2 REQ'D DELTA SHOP 34-631
49-361	50-441	SHAFT MS-104 & MS-105 1 EACH DEBURRING MACHINE
49-362	50-305 50-307 50-432 50-821 50-361 50-810 50-168	SHAFT MS-107 - 2 REQ'D USE HOLE A - 43-110 SHAPER
		SHAFT MS-107 - 2 REQ'D USE HOLE A - 37-510 SAW JOINTER COMB.
		SHAFT MS-107 - 2 REQ'D USE HOLE A - 1426 DISK SANDER
		SHAFT MS-107 - 2 REQ'D USE HOLE A - 11-120 & 11-100 DRILL PRESS
		SHAFT MS-107 - 2 REQ'D USE HOLE B - 37-368 COMBINATION UNIT
		SHAFT MS-107 - 2 REQ'D USE HOLE C - 34-600 TILTING ARBOR SAW
		SHAFT MS-107 - 2 REQ'D USE HOLE D - 37-595 COMBINATION UNIT
49-363	50-891 50-656 50-406 50-304 50-329 50-328 50-716 50-717 50-310	SHAFT MS-106 - 2 REQ'D USE HOLE G - 1160 SAW, 880-890 BAND SAW
		SHAFT MS-106 - 2 REQ'D USE HOLE G - 654 & 37-220 JOINTER
		SHAFT MS-106 - 2 REQ'D USE HOLE G - 1400 BELT FINISHING MACHINE
		SHAFT MS-106 - 2 REQ'D USE HOLE F - 37-110 & 37-290 JOINTERS
		SHAFT MS-106 - 2 REQ'D USE HOLE E - 28-110 BAND SAW & 34-110 SAW
		SHAFT MS-106 - 2 REQ'D USE HOLE F - 28-100 BAND SAW
		SHAFT MS-106 - 2 REQ'D USE HOLE E - 1440 & 40-110 SCROLL SAW
		SHAFT MS-106 - 2 REQ'D USE HOLE E - 40-100 SCROLL SAW
		SHAFT MS-106 - 2 REQ'D USE HOLE E - 1440 SCROLL SAW
		49-364 49-364 49-359
SHAFT MS-114 - 2 REQ'D 34-425 SAW		
SHAFT MS-120 - 2 REQ'D "900" SAW		

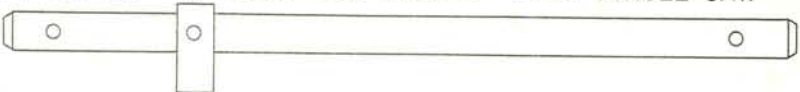
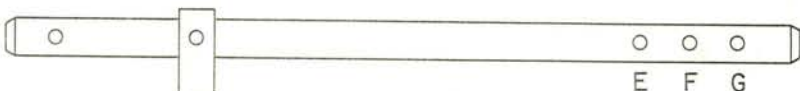
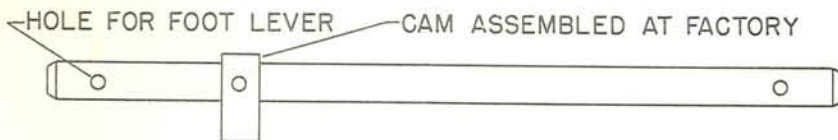


Figure 7

## TABLE 1. RETRACTABLE CASTERS FOR STEEL STANDS PARTS LIST

IMPORTANT: Give both the Part Number and the Description of each item when ordering from this list.

Part No.	Description	Number Required	Part No.	Description	Number Required
<b>CATALOG NO. 49-360</b> Used on Steel Stand No. 50-308			<b>CATALOG NO. 49-362</b> Used on Steel Stands No. 50-168, 50-208, 50-305, 50-306, 50-307, 50-361, 50-432, 50-550, 50-810, 50-821		
DSS-36	Fibre Washer	4	DSS-36	Fibre Washer	4
MS-103	Cam	4	MS-100	L.H. Caster Mount	2
MS-108	Caster	4	MS-101	R.H. Caster Mount	2
MS-109	Spring Washer	4	MS-102	Foot Lever	2
MS-110	Shaft	2	MS-103	Cam	4
MS-111	L.H. Caster Mount	2	MS-107	Shaft	2
MS-112	R.H. Caster Mount	2	MS-108	Caster	4
MS-113	Foot Lever	2	MS-109	Spring Washer	4
SP-478	$\frac{5}{16}$ -18 x $\frac{1}{2}$ " Fl. Hd. Mach. Screw	4	SP-478	$\frac{5}{16}$ -18 x $\frac{1}{2}$ " Fl. Hd. Mach. Screw	4
SP-1300	$\frac{5}{16}$ -18 Hex. Nut	4	SP-1300	$\frac{5}{16}$ -18 Hex. Nut	4
SP-1703	$\frac{5}{16}$ " Lock Washer	4	SP-1703	$\frac{5}{16}$ " Lock Washer	4
SP-2732	Drive Pin	2	SP-2732	Drive Pin	2
SP-2733	Drive Pin	4	SP-2733	Drive Pin	4
SP-5552	Fiber Washer	4	SP-5552	Fiber Washer	4
<b>CATALOG NO. 49-361</b> Used on Steel Stand No. 50-441			<b>CATALOG NO. 49-363</b> Used on Steel Stands No. 50-304, 50-310, 50-328, 50-329, 50-406, 50-656, 50-716, 50-717, 50-891		
DSS-36	Fibre Washer	4	DSS-36	Fibre Washer	4
MS-100	L.H. Caster Mount	2	MS-100	L.H. Caster Mount	2
MS-101	R.H. Caster Mount	2	MS-101	R.H. Caster Mount	2
MS-102	Foot Lever	2	MS-102	Foot Lever	2
MS-103	Cam	4	MS-103	Cam	4
MS-104	Shaft	1	MS-106	Shaft	2
MS-105	Shaft	1	MS-108	Caster	4
MS-108	Caster	4	MS-109	Spring Washer	4
MS-109	Spring Washer	4	SP-478	$\frac{5}{16}$ -18 x $\frac{1}{2}$ " Fl. Hd. Mach. Screw	4
SP-478	$\frac{5}{16}$ -18 x $\frac{1}{2}$ " Fl. Hd. Mach. Screw	4	SP-1300	$\frac{5}{16}$ -18 Hex. Nut	4
SP-1300	$\frac{5}{16}$ -18 Hex. Nut	4	SP-1703	$\frac{5}{16}$ " Lock Washer	4
SP-1703	$\frac{5}{16}$ " Lock Washer	4	SP-2732	Drive Pin	2
SP-2732	Drive Pin	2	SP-2733	Drive Pin	4
SP-2733	Drive Pin	4	SP-5552	Fiber Washer	4
SP-5552	Fiber Washer	4			
<b>CATALOG NO. 49-359</b> Used on Steel Stand No. 33-630			<b>CATALOG NO. 49-364</b> Used on Steel Stands No. 50-315, 50-320		
DSS-36	Fibre Washer	4	DSS-36	Fibre Washer	4
MS-103	Cam	4	MS-100	L.H. Caster Mount	2
MS-108	Caster	4	MS-101	R.H. Caster Mount	2
MS-109	Spring Washer	4	MS-102	Foot Lever	2
MS-111	L.H. Caster Mount	2	MS-103	Cam	4
MS-112	R.H. Caster Mount	2	MS-108	Caster	4
MS-113	Foot Lever	2	MS-109	Spring Washer	4
MS-120	Shaft	2	MS-114	Shaft	2
SP-478	$\frac{5}{16}$ -18 x $\frac{1}{2}$ " Fl. Hd. Mach. Screw	4	SP-478	$\frac{5}{16}$ -18 x $\frac{1}{2}$ " Fl. Hd. Mach. Screw	4
SP-1300	$\frac{5}{16}$ -18 Hex. Nut	4	SP-1300	$\frac{5}{16}$ -18 Hex. Nut	4
SP-1703	$\frac{5}{16}$ " Lock Washer	4	SP-1703	$\frac{5}{16}$ " Lock Washer	4
SP-2732	Drive Pin	2	SP-2732	Drive Pin	2
SP-2733	Drive Pin	4	SP-2733	Drive Pin	4
SP-5552	Fiber Washer	4	SP-5552	Fiber Washer	4

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