

WEAVERTM
LEATHER SUPPLY



MASTER TOOL LITTLE WONDER[®]

OWNER'S MANUAL

U.S. Design Patent #D632,318

Small Machine, Big Possibilities

Congratulations on your purchase of the patented Master Tool Little Wonder®. Handcrafted by our skilled craftspeople in Mt. Hope, Ohio, this ingenious machine is built using the finest materials, skilled American workmanship and finishing touches for dependable performance you can count on project after project. This hand-operated machine features a cam action arm that gives you extra leverage for quick and easy operation with just one hand.

Multi-Function Versatility

The machine comes with a driver and splash anvil for setting #104 Rivets. Check out pages 31 & 32 for a complete list of attachments to expand the capabilities of the Master Tool Little Wonder®.

Little Wonder® Attachments Available for the Following

#104 Rivets

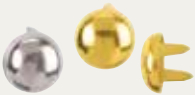
Machine comes standard with driver and splash anvil for #104 Rivets. Cap Anvil sold separately.



Crystals



Spots



Grommets



Slide Loop Staples



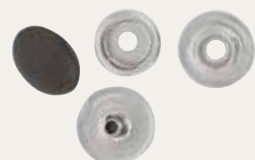
Eyelets



2205 Segma Snaps



2206 Snaps



4P Durable Snaps



Double Cap, Rapid and Jiffy Rivets



Punching Holes

ACTUAL SIZE OF HOLE PUNCH TUBES

●	●	●	●	●	●
5	6	7	8	9	10
$\frac{3}{32}$ "	$\frac{7}{64}$ "	$\frac{1}{8}$ "	$\frac{5}{32}$ "	$\frac{11}{64}$ "	$\frac{3}{16}$ "



MASTER TOOL

LIMITED LIFETIME GUARANTEE
HANDCRAFTED IN THE USA



800-932-8371
weaverleathersupply.com

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UNPACK YOUR BOX

The Master Tool Little Wonder® comes completely assembled.

You'll find the following in your box:

- ❶ Master Tool Little Wonder® Machine
- ❷ Driver Attachment for #104 Rivets
- ❸ Splash Anvil for #104 Rivets
- ❹ Guide
- ❺ Owner's Manual



GETTING TO KNOW THE MASTER TOOL LITTLE WONDER®

Do not operate this machine until you have read and understand the instructions in this manual. This machine is designed for use with leather, webbing, coated webbing, fabrics and other man-made materials. It will set rivets, crystals, spots, grommets, slide loop staples, eyelets, 2205 segma snaps, 2206 snaps, 4P durable snaps, double cap, rapid and jiffy rivets as well as punch holes. Use for any other purpose is prohibited and voids the warranty.



Safety

- Never use this machine unless it is securely fastened to a workbench.
- Always keep all fingers and body parts away from moving parts.
- Keep away from children at all times.

Limited Lifetime Guarantee

Every Master Tool is built to last using the finest materials and skilled American workmanship. We are proud to stand behind our products with an unmatched Limited Lifetime Guarantee. This quality standard warrants each product for its lifetime against defects in materials and workmanship under correct use, normal operating conditions and proper application. This guarantee does not extend to any component parts not manufactured by Weaver Leather, or if the machine is modified in any way. Weaver Leather makes no express warranties other than those that are specifically described herein. This warranty is expressly in lieu of all other warranties express or implied. There are no implied warranties of any kind including merchantability or fitness for a particular purpose. Weaver Leather will in no event be liable for any incidental or consequential damages whatsoever, nor for any sum in excess of the price received for the goods.

QUICK-START GUIDE

SETTING #104 TUBULAR RIVETS WITH DRIVER AND SPLASH ANVIL THAT COME WITH THE MACHINE

See Pages 8 & 9 for complete instructions and troubleshooting tips

You do not need to pre-punch holes in your material to set tubular rivets. To achieve the best results, we recommend testing a few rivets in some scrap leather using the troubleshooting tips on page 9 as your guide.

- 1) The Little Wonder® comes fully assembled and ready to be mounted on your workbench. Simply secure the machine to your bench with your choice of screws or bolts (**Figure 1**).
- 2) Locate the #104 splash anvil and the #104 driver and verify that they are securely tightened into the machine. If the #104 splash anvil is loose, secure it with the set screw using a 5/32" Allen wrench (**Figure 2**). If the #104 driver is loose, tighten the thumb screw (**Figure 3**).
- 3) It is important to obtain the proper distance between the anvil and the driver. Adjust the stop according to the length of the post on your rivet using the adjustment wheel located just below the cam (**Figure 4**). Turn clockwise to raise the driver or counterclockwise to lower the driver.
- 4) Place the #104 rivet into the driver (**Figure 5**).
- 5) Insert leather or material that you are using (**Figure 6**).
- 6) Pull the handle forward until the rivet is set (**Figure 7**).



SPLASH SET RIVET



FIGURE 1



FIGURE 2



FIGURE 3



FIGURE 4



FIGURE 5



FIGURE 6



FIGURE 7

USING THE METAL GUIDE

A metal guide (**Figure 8**) is included with the Little Wonder® to help you maintain consistency when using Little Wonder® attachments. Loosen the thumb screw on the right side of the machine and adjust guide until it rests on the edge of your strap (**Figure 9**). Tighten thumb screw to keep guide in place (**Figure 10**).



FIGURE 8



FIGURE 9



FIGURE 10

SETTING #104 TUBULAR RIVETS

You do not need to pre-punch holes in your material to set tubular rivets. To achieve the best results, we recommend testing a few rivets in some scrap leather using the troubleshooting tips on page 9 as your guide.

- 1) Insert the #104 splash anvil or #104 cap anvil (depending on if you want your rivet with a splash or cap back) into the anvil adapter and secure with the set screw using a 5/32" Allen wrench (**Figure 11**). Insert the #104 driver into the driver shaft and secure with the thumb screw (**Figure 12**).
- 2) It is important, especially when using caps, to obtain the proper distance between the anvil and the driver. Adjust the stop according to the length of the post on your rivet using the adjustment wheel located just below the cam (**Figure 13**). Turn clockwise to raise the driver or counterclockwise to lower the driver.
- 3) Place the #104 rivet into the driver. If using cap, place the cap into the cap anvil flat side down (**Figure 14**).
- 3) Insert leather or material that you are using (**Figure 15**).
- 4) Pull the handle forward until rivet is set (**Figure 16**).



FIGURE 11



FIGURE 12



FIGURE 13



FIGURE 14



FIGURE 15



FIGURE 16

USING THE METAL GUIDE

A metal guide (**Figure 17**) is included with the Little Wonder® to help you maintain consistency when using Little Wonder® attachments. Loosen the thumb screw on the right side of the machine and adjust guide until it rests on the edge of your strap (**Figure 18**). Tighten thumb screw to keep guide in place (**Figure 19**).



FIGURE 17



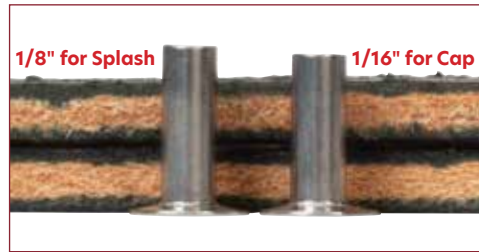
FIGURE 18



FIGURE 19

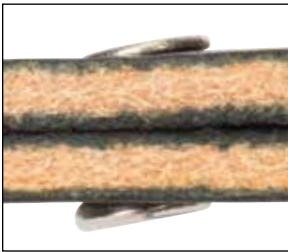
TROUBLESHOOTING TIPS

Rivets should be approximately 1/8" longer for splash (or 1/16" longer for cap) than the thickness of the material used



PROPER ADJUSTMENT FOR RIVET WITH CAP

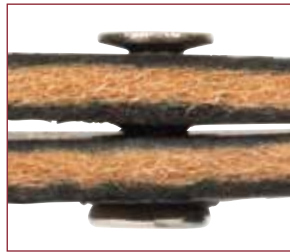
WRONG



Problem: Bent rivet from too much pressure -OR- Length of rivet is too long for material being riveted

Solution: Turn adjustment wheel clockwise to raise driver -OR- Use the next size shorter rivet if your rivet was too long for your material

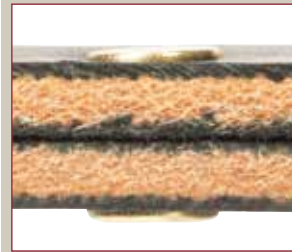
WRONG



Problem: Loose rivet from not enough pressure

Solution: Turn adjustment wheel counterclockwise to lower driver

CORRECT



When testing with a cap, the rivet should be straight and snug in the cap. A bent rivet means too much pressure was applied or you're using the wrong size rivet. The driver will need to be raised by turning the adjustment wheel clockwise. Turn the adjustment wheel counterclockwise for a loose rivet (**Figure 20**).



FIGURE 20

PROPER ADJUSTMENT FOR RIVET WITH SPLASH

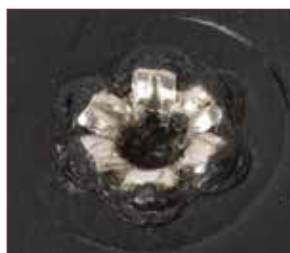
WRONG



Problem: Rivet end is curled too much from excess pressure or rivet is too long for application

Solution: Turn adjustment wheel clockwise to raise driver or use a shorter rivet

WRONG



Problem: Rivet end is not curled properly because not enough pressure was applied or rivet is too short

Solution: Turn adjustment wheel counterclockwise to lower driver or use a longer rivet

CORRECT



When testing for splash, too much pressure will continue to curl the rivet end, cutting into and creating an indent in the top of your leather or material. The ideal amount of splash should measure no more than 1/8".

SETTING #104 TUBULAR RIVETS WITH MAGNETIC DRIVER

Magnetic driver works with plated rivets only. It does not work with stainless steel, nickel brass or solid brass rivets.

You do not need to pre-punch holes in your material to set tubular rivets. To achieve the best results, we recommend testing a few rivets in some scrap leather using the troubleshooting tips on page 11 as your guide.

- 1) Insert the #104 magnetic driver into the driver shaft and secure with the thumb screw (**Figure 21**). Insert the #104 splash anvil or #104 cap anvil (depending on if you want your rivet with a splash or cap back) into the anvil adapter and secure with the set screw using a 5/32" Allen wrench (**Figure 22**).
- 2) It is important, especially when using caps, to obtain the proper distance between the anvil and the driver. Adjust the stop according to the length of the post on your rivet using the adjustment wheel located just below the cam (**Figure 23**). Turn clockwise to raise the driver or counter-clockwise to lower the driver.
- 3) Place the #104 rivet into the driver (**Figure 24**). If using cap, place the cap into the cap anvil flat side down (**Figure 25**).
- 4) Insert leather or material that you are using.
- 5) Pull the handle forward until rivet is set (**Figure 26**).



FIGURE 21



FIGURE 22 - SPLASH ANVIL



FIGURE 22 - CAP ANVIL



FIGURE 23



FIGURE 24



FIGURE 25



FIGURE 26

USING THE METAL GUIDE

A metal guide (**Figure 27**) is included with the Little Wonder® to help you maintain consistency when using Little Wonder® attachments. Loosen the thumb screw on the right side of the machine and adjust guide until it rests on the edge of your strap (**Figure 28**). Tighten thumb screw to keep guide in place (**Figure 29**).



FIGURE 27



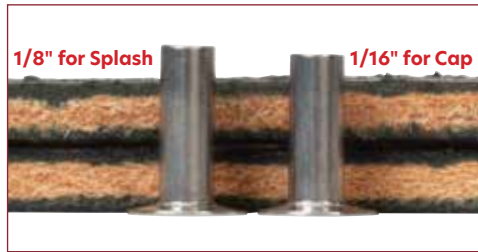
FIGURE 28



FIGURE 29

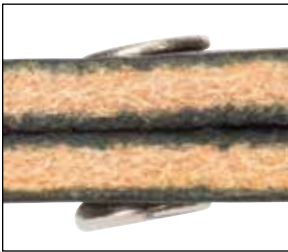
TROUBLESHOOTING TIPS

Rivets should be approximately 1/8" longer for splash (or 1/16" longer for cap) than the thickness of the material used



PROPER ADJUSTMENT FOR RIVET WITH CAP

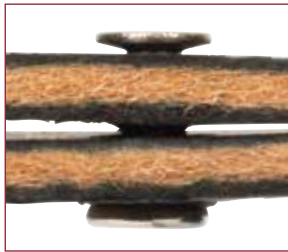
WRONG



Problem: Bent rivet from too much pressure -OR- Length of rivet is too long for material being riveted

Solution: Turn adjustment wheel clockwise to raise driver -OR- Use the next size shorter rivet if your rivet was too long for your material

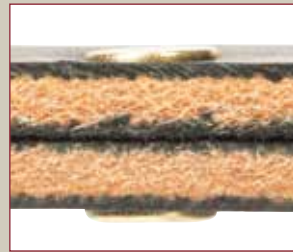
WRONG



Problem: Loose rivet from not enough pressure

Solution: Turn adjustment wheel counterclockwise to lower driver

CORRECT



When testing with a cap, the rivet should be straight and snug in the cap. A bent rivet means too much pressure was applied or you're using the wrong size rivet. The driver will need to be raised by turning the adjustment wheel clockwise. Turn the adjustment wheel counterclockwise for a loose rivet (**Figure 20**).



FIGURE 20

PROPER ADJUSTMENT FOR RIVET WITH SPLASH

WRONG



Problem: Rivet end is curled too much from excess pressure or rivet is too long for application

Solution: Turn adjustment wheel clockwise to raise driver or use a shorter rivet

WRONG



Problem: Rivet end is not curled properly because not enough pressure was applied or rivet is too short

Solution: Turn adjustment wheel counterclockwise to lower driver or use a longer rivet

CORRECT



When testing for splash, too much pressure will continue to curl the rivet end, cutting into and creating an indent in the top of your leather or material. The ideal amount of splash should measure no more than 1/8".

SETTING CRYSTALS

You do not need to pre-punch holes in your material to set 5/16" crystals. To achieve the best results, we recommend testing a few crystals in some scrap leather using the troubleshooting tips on page 13 as your guide.



- 1) Insert the anvil into the anvil adapter and secure with the set screw using a 5/32" Allen wrench (**Figure 31**). Insert the crystal setter attachment into the driver shaft and secure with the thumb screw (**Figure 32**).
- 2) It is important to obtain the proper distance between the anvil and the driver. Turn clockwise to raise the driver or counterclockwise to lower the driver (**Figure 33**).
- 3) Place the crystal into the driver (**Figure 34**).
- 4) Insert leather or material that you are using.
- 5) To set the crystal, pull the handle forward until you start to feel resistance (**Figure 35**). Crystals will set without applying much pressure. You can always go back and apply a bit more pressure if necessary.

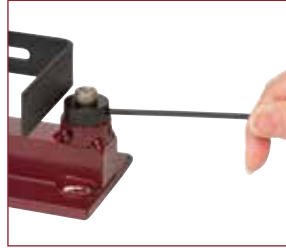


FIGURE 31



FIGURE 32



FIGURE 33



FIGURE 34



FIGURE 35

USING THE METAL GUIDE

A metal guide (**Figure 36**) is included with the Little Wonder® to help you maintain consistency when using Little Wonder® attachments. Loosen the thumb screw on the right side of the machine and adjust guide until it rests on the edge of your strap (**Figure 37**). Tighten thumb screw to keep guide in place (**Figure 38**).



FIGURE 36



FIGURE 37



FIGURE 38

PROPER ADJUSTMENT FOR CRYSTALS

WRONG



Problem: Crystal is broken from too much pressure

Solution: Turn adjustment wheel clockwise to raise crystal setter attachment

CORRECT



The crystal should be seated just slightly into leather with the prongs curled in on the underside of the leather. A broken crystal means too much pressure was applied, so the crystal setter attachment will need to be raised by turning the adjustment wheel clockwise. Turn the adjustment wheel counterclockwise for a loose crystal with the prongs not curled in properly (**Figure 39**).



FIGURE 39

SETTING SPOTS

You do not need to pre-punch holes in your material to set spots. To achieve the best results, we recommend testing a few spots in some scrap leather using the troubleshooting tips on page 15 as your guide.



- 1) Insert the appropriate anvil and spot setter attachment for the spot you want to set (1/8", 3/16", 1/4", 5/16", 3/8" or 1/2"). Secure the anvil with the set screw located at the front of the anvil adapter using a 5/32" Allen wrench (**Figure 40**). Insert the spot setter attachment into the driver shaft and secure with the thumb screw (**Figure 41**).
- 2) It is important to obtain the proper distance between the anvil and the driver. Turn clockwise to raise the driver or counterclockwise to lower the driver (**Figure 42**).
- 3) Place the spot into the driver (**Figure 43**).
- 4) Insert leather or material that you are using.
- 5) Pull the handle forward until the spot is set (**Figure 44**).



FIGURE 40



FIGURE 41



FIGURE 42



FIGURE 43



FIGURE 44

USING THE METAL GUIDE

A metal guide (**Figure 45**) is included with the Little Wonder® to help you maintain consistency when using Little Wonder® attachments. Loosen the thumb screw on the right side of the machine and adjust guide until it rests on the edge of your strap (**Figure 46**). Tighten thumb screw to keep guide in place (**Figure 47**).



FIGURE 45



FIGURE 46



FIGURE 47

TROUBLESHOOTING TIPS

Spots should be seated just slightly into leather.

PROPER ADJUSTMENT FOR SPOTS

WRONG



Problem: Loose spot with prongs on the underside not curled in properly from not enough pressure

Solution: Turn adjustment wheel counterclockwise to lower driver

WRONG



Problem: Spot is seated too far into leather

Solution: Turn adjustment wheel clockwise to raise driver

CORRECT



The spot should be seated just slightly into leather with the prongs curled in on the underside of leather. A marred spot means too much pressure was applied, so the spotter attachment will need to be raised by turning the adjustment wheel clockwise. Turn the adjustment wheel counterclockwise for a loose spot with the prongs not curled in properly (**Figure 48**).



FIGURE 48

SETTING GROMMETS

You will need to pre-punch a hole in your material to set a grommet. To achieve the best results, we recommend testing a few grommets in some scrap leather using the troubleshooting tips on page 17 as your guide.

- 1) Insert the appropriate anvil and driver for the grommet you want to set (#00, #0, #1, #2, #3, #4). Secure the anvil with the set screw located at the front of the anvil adapter using a 5/32" Allen wrench (**Figure 49**). Insert the driver into the driver shaft and secure with the thumb screw (**Figure 50**).
- 2) It is important to obtain the proper distance between the anvil and the driver. Turn clockwise to raise the driver or counterclockwise to lower the driver (**Figure 51**).
- 3) Grommet sets in the anvil (bottom setter) (**Figure 52**); place pre-punched leather onto grommet (**Figure 53**); lay washer on top of leather (**Figure 54**). **Important: Top/good side of leather should be face down.**
- 4) Pull the handle forward until grommet is set (**Figure 55**).



GROMMET SIZE	HOLE SIZE
#00	3/16"
#0	1/4"
#1	5/16"
#2	3/8"
#4	1/2"



FIGURE 49



FIGURE 50



FIGURE 51



FIGURE 52



FIGURE 53



FIGURE 54



FIGURE 55

PROPER ADJUSTMENT FOR GROMMETS

WRONG



Problem: Bottom washer is smashed from too much pressure

Solution: Turn adjustment wheel clockwise to raise driver

CORRECT



The bottom washer part of grommet should be nicely rolled under. If the bottom washer is smashed, it means too much pressure was applied, so the driver will need to be raised by turning the adjustment wheel clockwise. Turn the adjustment wheel counterclockwise for a loose grommet (**Figure 56**).



FIGURE 56

SETTING 15S4 SLIDE LOOP STAPLES

You do not need to pre-punch holes in your material to set staples. To achieve the best results, we recommend testing a few staples in some scrap leather.

FOR SETTING DECORATIVE STAPLES WITH THE SPOT ANVIL

- 1) Insert the spot anvil into the anvil adapter and secure the anvil with the set screw located at the front of the anvil adapter using a 5/32" Allen wrench (**Figure 57**). Insert the slide loop staple setter attachment into the driver shaft and secure with the thumb screw (**Figure 58**).
- 2) It is important to obtain the proper distance between the anvil and the driver. Turn clockwise to raise the driver or counterclockwise to lower the driver (**Figure 59**).
- 3) Place the staple into the setter (**Figure 60**). The setter can be rotated so you can set your staple at any angle to create a variety of decorative patterns.
- 4) Insert leather or material that you are using.
- 5) Pull the handle forward until staple is set (**Figure 61**).

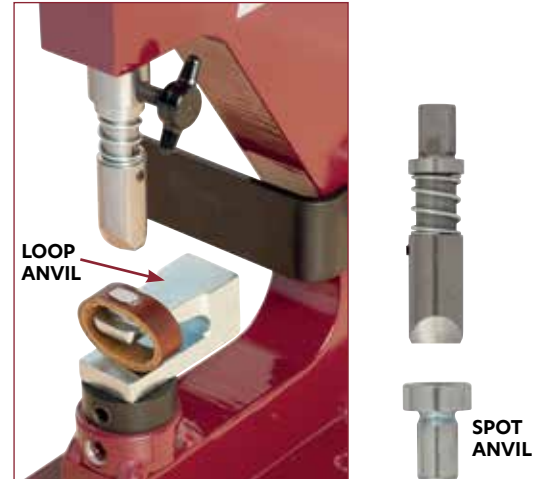


FIGURE 57



FIGURE 58



FIGURE 59



FIGURE 60



FIGURE 61

FOR SETTING STAPLES WITH THE LOOP ANVIL

- 1) Insert the loop anvil into the anvil adapter and secure the anvil with the set screw located at the front of the anvil adapter using a 5/32" Allen wrench (**Figure 62**). To give yourself room to see the loop anvil clearly, you'll need to raise the driver by turning the adjustment wheel clockwise (**Figure 63**). To lower the driver, turn the adjustment wheel counterclockwise. Insert the slide loop staple setter attachment into the driver shaft and secure with the thumb screw (**Figure 64**).
- 2) Place the staple into the setter (**Figure 65**).
- 3) Insert leather or material that you are using.
- 4) Pull the handle forward until staple is set (**Figure 66**).



FIGURE 62



FIGURE 63



FIGURE 64



FIGURE 65



FIGURE 66

USING THE METAL GUIDE

A metal guide (**Figure 67**) is included with the Little Wonder® to help you maintain consistency when using Little Wonder® attachments. Loosen the thumb screw on the right side of the machine and adjust guide until it rests on the edge of your strap (**Figure 68**). Tighten thumb screw to keep guide in place (**Figure 69**).



FIGURE 67



FIGURE 68



FIGURE 69



The staple should be seated just slightly into leather with the prongs curled in on the underside of leather. A marred staple means too much pressure was applied, so the staple setter attachment will need to be raised by turning the adjustment wheel clockwise. Turn the adjustment wheel counterclockwise for a loose staple with the prongs not curled in properly (**Figure 70**).



FIGURE 70

SETTING EYELETS

You will need to pre-punch a hole in your material to set an eyelet. To achieve the best results, we recommend testing a few eyelets in some scrap leather using the troubleshooting tips below as your guide.

Important: Make sure the top/good side of leather is face down.

1) Insert the appropriate anvil and driver for the eyelet you want to set (8 mm, 10 mm, 12 mm). Secure the anvil with the set screw located at the front of the anvil adapter using a 5/32" Allen wrench (**Figure 71**). Insert the driver into the driver shaft and secure with the thumb screw (**Figure 72**).

2) It is important to obtain the proper distance between the anvil and the driver. Turn clockwise to raise the driver or counterclockwise to lower the driver (**Figure 73**).

3) Place the eyelet onto the anvil (**Figure 74**).

4) Insert leather or material that you are using. **Important: Top/good side of leather should be facing down.**

5) Pull the handle forward until eyelet is set (**Figure 75**).



EYELET SIZE	HOLE SIZE
8 MM	3/16"
10 MM	7/32"
12 MM	9/32"



FIGURE 71



FIGURE 72



FIGURE 73



FIGURE 74



FIGURE 75

TROUBLESHOOTING TIPS

PROPER ADJUSTMENT FOR EYELETS

WRONG



Problem: Eyelet post is smashed from too much pressure

Solution: Turn adjustment wheel clockwise to raise driver

WRONG



Problem: Loose eyelet from not enough pressure

Solution: Turn adjustment wheel counterclockwise to lower driver

CORRECT



The eyelet post should be nicely rolled under. If the eyelet post is smashed, it means too much pressure was applied, so the driver will need to be raised by turning the adjustment wheel clockwise. Turn the adjustment wheel counterclockwise for a loose eyelet (**Figure 76**).



FIGURE 76

SETTING 2205 SEGMA SNAPS

You'll need to pre-punch holes (3/16" for top of snap; 1/8" for bottom of snap). Please note: The top of snap always has the nice cap that is to be placed on the finished side of the leather. Take a few minutes to check all your components to ensure they will snap the way you desire for your project. To achieve the best results, we recommend testing a few snaps in some scrap leather.



- 1) For top of snap, insert the 1B anvil into the anvil adapter and secure with the set screw using a 5/32" Allen wrench (Figure 77). Adjust the driver up by turning adjustment wheel clockwise or down by turning counterclockwise (Figure 78). Insert the 1T driver into the driver shaft and secure with the thumb screw (Figure 79).
- 2) Place hardware component 2 into the 1B anvil (Figure 80) and hardware component 1 into the 1T driver (Figure 81). Insert leather or material using. Pull the handle forward until set. Be sure to not apply too much pressure (Figure 82).



FIGURE 77



FIGURE 78



FIGURE 79



FIGURE 80



FIGURE 81



FIGURE 82

- 3) For bottom of snap, insert the 2B anvil into the anvil adapter and secure with the set screw using a 5/32" Allen wrench (Figure 83). Adjust the driver up by turning adjustment wheel clockwise or down by turning counterclockwise (Figure 84). Insert the 2T driver into the driver shaft and secure with the thumb screw (Figure 85).
- 4) Place hardware component 4 into the 2B anvil (Figure 86) and hardware component 3 into the 2T driver (Figure 87). Insert leather or material using. Pull the handle forward until set. Be sure to not apply too much pressure (Figure 88).
- 5) Snap it to verify that all the components are placed so they snap correctly for your project.



FIGURE 83



FIGURE 84



FIGURE 85



FIGURE 86



FIGURE 87



FIGURE 88



FRONT VIEW



BACK VIEW

SETTING 2206 (#20 LINE) SNAPS

You'll need to pre-punch a 3/16" hole in your material to accommodate the stem of the 2206 Snap. Please note: The top of snap always has the nice cap that is to be placed on the finished side of the leather. Take a few minutes to check all your components to ensure they will snap the way you desire for your project. To achieve the best results, we recommend testing a few snaps in some scrap leather.



1) For top of snap, insert the 1B anvil into the anvil adapter and secure with the set screw using a 5/32" Allen wrench (Figure 89). Adjust the driver up by turning adjustment wheel clockwise or down by turning counterclockwise (Figure 90). Insert the 1T driver into the driver shaft and secure with the thumb screw (Figure 91).

2) Place hardware component 1 into the 1B anvil (Figure 92) and hardware component 2 into the 1T driver (Figure 93). Insert leather or material using. Pull the handle forward until set (Figure 94).



FIGURE 89



FIGURE 90



FIGURE 91



FIGURE 92



FIGURE 93



FIGURE 94

3) For bottom of snap, insert the 2B anvil into the anvil adapter and secure with the set screw using a 5/32" Allen wrench (Figure 95). Adjust the driver up by turning adjustment wheel clockwise or down by turning counterclockwise (Figure 96). Insert the 2T driver into the driver shaft and secure with the thumb screw (Figure 97).

4) Place hardware component 4 into the 2B anvil (Figure 98) and hardware component 3 into the 2T driver (Figure 99). Insert leather or material using. Pull the handle forward until set (Figure 100).

5) Snap it to verify that all the components are placed so they snap correctly for your project.



FIGURE 95



FIGURE 96



FIGURE 97



FIGURE 98



FIGURE 99



FIGURE 100



FRONT VIEW



BACK VIEW

SETTING 4P (#24 LINE) DURABLE SNAPS

Will not work with locking snaps

You'll need to pre-punch a 3/16" hole in your material to accommodate the stem of the 4P Durable Snap. Please note: The top of snap always has the nice cap that is to be placed on the finished side of the leather. Take a few minutes to check all your components to ensure they will snap the way you desire for your project. To achieve the best results, we recommend testing a few snaps in some scrap leather.



- 1) For top of snap, insert the 1B anvil into the anvil adapter and secure with the set screw using a 5/32" Allen wrench (Figure 101). Adjust the driver up by turning adjustment wheel clockwise or down by turning counterclockwise (Figure 102). Insert the 1T driver into the driver shaft and secure with the thumb screw (Figure 103).
- 2) Place hardware component 1 into the 1B anvil (Figure 104) and hardware component 2 into the 1T driver (Figure 105). Insert leather or material using. Pull the handle forward until set (Figure 106).



FIGURE 101



FIGURE 102



FIGURE 103



FIGURE 104



FIGURE 105



FIGURE 106

- 3) For bottom of snap, insert the 2B anvil into the anvil adapter and secure with the set screw using a 5/32" Allen wrench (Figure 107). Adjust the driver up by turning adjustment wheel clockwise or down by turning counter clockwise (Figure 108). Insert the 2T driver into the driver shaft and secure with the thumb screw (Figure 109).
- 4) Place hardware component 4 into the 2B anvil (Figure 110) and hardware component 3 into the 2T driver (Figure 111). Insert leather or material using. Pull the handle forward until set (Figure 112).
- 5) Snap it to verify that all the components are placed so they snap correctly for your project.



FIGURE 107



FIGURE 108



FIGURE 109



FIGURE 110



FIGURE 111



FIGURE 112



FRONT VIEW



BACK VIEW

SETTING DOUBLE CAP, JIFFY AND RAPID RIVETS

Will not work with 1/4" 2200 rivets

Holes need to be punched before setting; a 3/32" hole should work for all sizes. To achieve the best results, we recommend testing a few rivets in some scrap leather using the troubleshooting tips on page 25 as your guide.

- 1) Insert the 1B setter into the anvil adapter and secure with the set screw using a 5/32" Allen wrench (**Figure 113**). Adjust the driver up by turning adjustment wheel clockwise or down by turning counterclockwise (**Figure 114**). Insert the 1T driver into the driver shaft and secure with the thumb screw (**Figure 115**).
- 2) Place the rivet into the 1B setter (**Figure 116**). Place the cap into the 1T driver flat side up (**Figure 117**).
- 3) Insert leather or material that you are using.
- 4) Pull the handle forward until set (**Figure 118**).



FIGURE 113



FIGURE 114



FIGURE 115



FIGURE 116



FIGURE 117



FIGURE 118

TROUBLESHOOTING TIPS

Rivets should be approximately 1/16" longer than the thickness of the material used



PROPER ADJUSTMENT FOR RIVET WITH CAP

WRONG



Problem: Bent rivet from too much pressure -OR- Length of rivet is too long for material being riveted

Solution: Turn adjustment wheel clockwise to raise driver -OR- Use the next size shorter rivet if your rivet was too long for your material

WRONG



Problem: Loose rivet from not enough pressure

Solution: Turn adjustment wheel counterclockwise to lower driver

CORRECT



When testing, the rivet should be straight and snug in the cap. A bent rivet means too much pressure was applied, so the driver will need to be raised by turning the adjustment wheel clockwise. Turn the adjustment wheel counterclockwise for a loose rivet (**Figure 119**).



FIGURE 119

PUNCHING HOLES

To achieve the best results, we recommend punching a few holes in some scrap leather using the troubleshooting tips on page 27 as your guide.

- 1) Secure the anvil with the set screw located at the front on the anvil adapter using a $5/32$ " Allen wrench (**Figure 120**), and secure the threaded punch handle with the thumb screw on the driver shaft (**Figure 121**). Adjust the driver up by turning adjustment wheel clockwise or down by turning counterclockwise (**Figure 122**).
- 2) Screw hole punch tube (size 5, 6, 7, 8, 9 or 10) onto the threaded punch handle (**Figure 123**).
- 3) Insert leather or material that you are using.
- 4) Pull the handle forward until hole is punched (**Figure 124**).

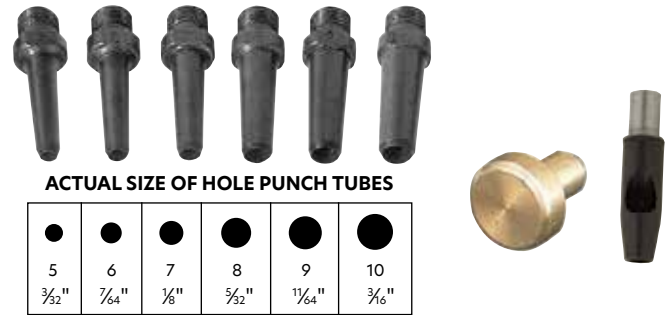


FIGURE 120



FIGURE 121



FIGURE 122



FIGURE 123



FIGURE 124

USING THE METAL GUIDE

A metal guide (**Figure 125**) is included with the Little Wonder® to help you maintain consistency when using Little Wonder® attachments. Loosen the thumb screw on the right side of the machine and adjust guide until it rests on the edge of your strap (**Figure 126**). Tighten thumb screw to keep guide in place (**Figure 127**).



FIGURE 125



FIGURE 126



FIGURE 127

TROUBLESHOOTING TIPS

The hole punch tube should pass all the way through the material while just touching the top of the anvil. This will ensure proper results and prevent damage to the tube. If you find the tube sticks to material during punching, buffing or polishing the end of the tube should resolve the issue. An anvil that has been heavily used may need replaced. When an anvil is worn, even sharp tubes will have issues cutting through leather.

PROPER ADJUSTMENT

WRONG



Problem: Tube is too low and could be damaged

Solution: Turn adjustment wheel clockwise to raise hole punch tube so it is just barely touching anvil when handle is pulled all the way forward

WRONG



Problem: Tube is too high and not cutting all the way through material

Solution: Turn adjustment wheel counterclockwise to lower tube so it is barely touching anvil or check to make sure anvil isn't heavily worn

CORRECT



Hole punch tube should just barely touch anvil when the handle is pulled all the way forward

The hole should pass entirely through your material. If the tube is making too much contact with the anvil, it means too much pressure was applied, so the hole punch tube will need to be raised by turning the adjustment wheel clockwise. If the hole punch tube is not cutting the entire way through your material, turn the adjustment wheel counterclockwise to lower the tube until it is just barely touching the anvil.

MAINTENANCE

To keep the Little Wonder® in good working order, we recommend you regularly oil the cam (**Figure 128**) and the driver shaft (**Figure 129**) with Lily Stitching Oil. Just a light film of oil is recommended to keep this machine properly lubricated.



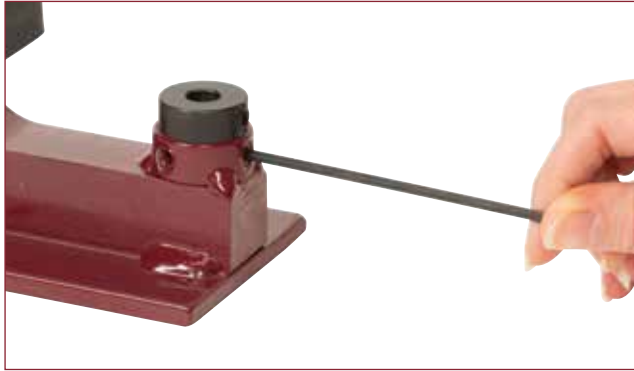
FIGURE 128



FIGURE 129



FIGURE 130



OFF CENTER ANVIL

If the anvil is off center, loosen the three set screws (**Figure 130**) on the adjustment collar. Move the anvil adapter so that it lines up with your snap or rivet and tighten the three screws on the adjustment collar. Note: These are all set correctly when manufactured. As a result, new machines do not need to be adjusted.

REPLACEMENT PARTS

- ① 65-6585 Brass Anvil



- ② 65-6637 Driver Thumb Screw



- ③ 65-6638 Guide Thumb Screw



- ④ 65-6639 2" Knurled Adjustment Knob



- ⑤ 65-6643 Spring



- ⑥ 65-6644 1/4" Top Set Screw



- ⑦ 65-6645 Nylon Insert



- ⑧ 65-6646 5/16" Anvil Set Screw



- ⑨ 65-6647 Driver Shaft



- ⑩ 65-6648 Threaded Rod



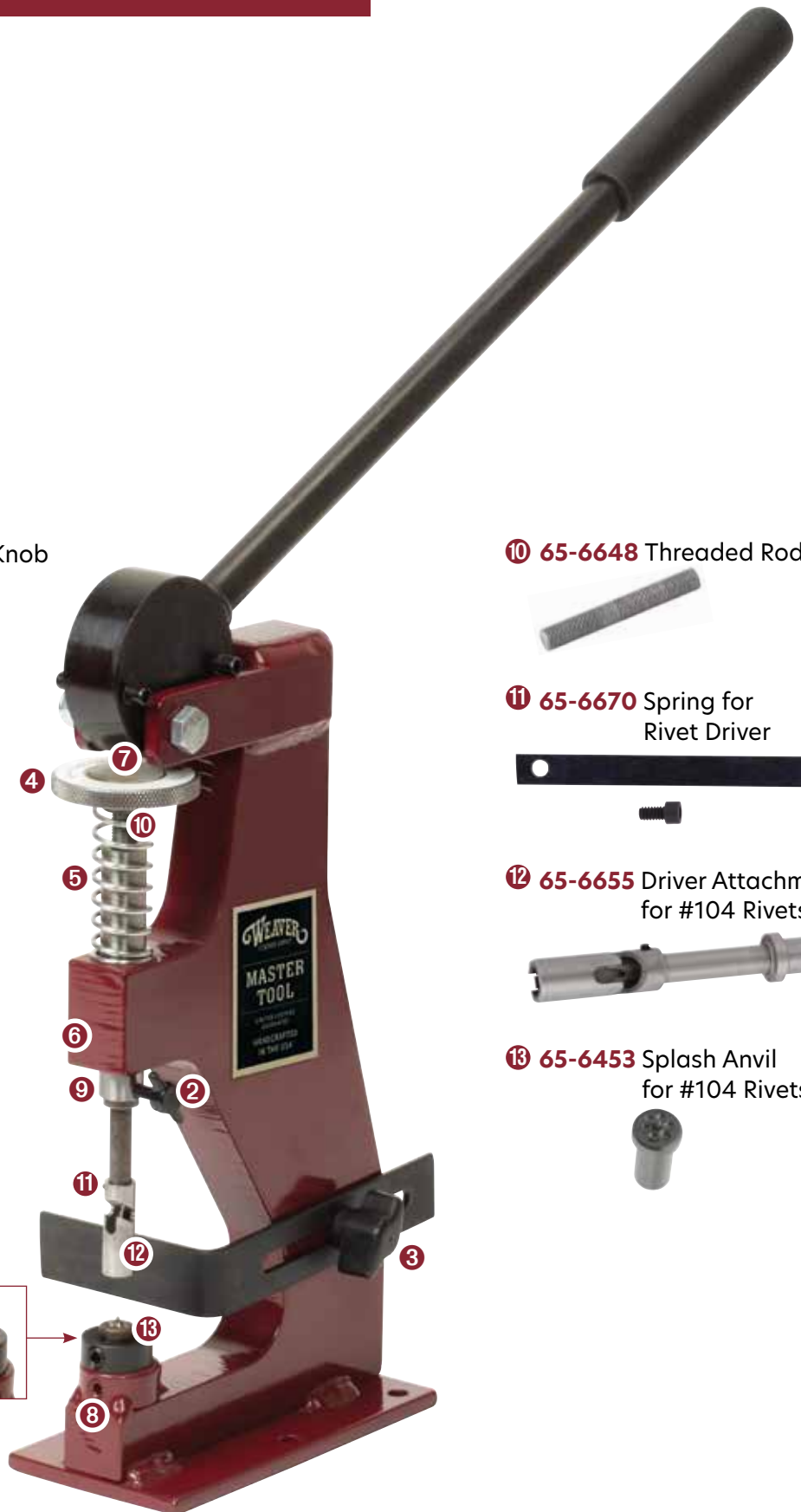
- ⑪ 65-6670 Spring for Rivet Driver















- ⑫ 65-6655 Driver Attachment for #104 Rivets



- ⑬ 65-6453 Splash Anvil for #104 Rivets


































Expand this Handy Machine's Capabilities with the Right Attachments for Your Needs

FUNCTION	ATTACHMENT	DESCRIPTION
<p>SET #104 RIVETS WITH CAP</p> 	<p>65-6455 Cap Anvil for #104 Rivets</p> 	<p>For use with the 65-6655 Driver Attachment for #104 Rivets (comes standard with machine) to set a #104 Rivet with a Cap, providing a nice, finished look on both sides</p>
<p>SET #104 RIVETS</p> 	<p>65-6165 Magnetic Driver with Anvils</p> 	<p>For use with plated #104 rivets only; will not work with stainless steel, nickel brass or solid brass rivets</p>
	<p>65-6166 Magnetic Driver without Anvils</p> 	
<p>SET CRYSTALS</p> 	<p>65-6662 Crystal Setter Attachment, 5/16"</p>  <p>Includes Anvil</p>	<p>Sets 5/16" crystals to add a touch of sparkle to any project</p>
<p>SET SPOTS</p> 	<p>65-6665 Spotter Attachment, 1/8", 3/16", 1/4", 5/16", 3/8" or 1/2", specify size</p>  <p>Includes Anvil</p>	<p>In combination with the 65-6664 Anvil below, this attachment sets spots with ease and precision</p>
	<p>65-6664 Anvil for Spot Setter Attachment, 1/8", 3/16", 1/4", 5/16", 3/8" or 1/2", specify size</p>  <p>Replacement part for 65-6665 and 65-6662 above</p>	<p>Sets spots or crystals with ease and precision when used in combination with the 65-6662 Crystal Setter Attachment or 65-6665 Spotter Attachment above</p>
<p>SET GROMMETS</p> 	<p>65-6667 Grommet Setter Attachment, #00, #0, #1, #2, #3 or #4, specify size</p> 	<p>Quickly, easily and professionally sets grommets on your leathercrafting projects</p>

MORE ATTACHMENTS ON PAGE 32

LITTLE WONDER® ATTACHMENTS CONT.

FUNCTION	ATTACHMENT	DESCRIPTION												
<p>PUNCH HOLES</p> <p>Actual Size of Hole Punch Tubes</p> <table border="1" data-bbox="136 369 521 483"> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5 3/32"</td> <td>6 7/64"</td> <td>7 1/8"</td> <td>8 5/32"</td> <td>9 11/64"</td> <td>10 3/16"</td> </tr> </table>							5 3/32"	6 7/64"	7 1/8"	8 5/32"	9 11/64"	10 3/16"	<p>65-6193 Threaded Punch Handle</p>  <p>65-6615 Hole Punch Tubes, Sizes 5-10, Thread Size .295-32, specify size</p>  <p>65-6585 Brass Anvil</p> 	<p>Punches holes when used in combination with the 65-6615 Hole Punch Tubes and 65-6585 Brass Anvil (both shown below and sold separately)</p> <p>Punches holes when used in combination with the 65-6193 Threaded Punch Handle above and 65-6585 Brass Anvil below</p> <p>Used with the 65-6193 Threaded Punch Handle and 65-6615 Hole Punch Tubes (both above) when punching holes</p>
														
5 3/32"	6 7/64"	7 1/8"	8 5/32"	9 11/64"	10 3/16"									
<p>SET EYELETS</p> 	<p>65-6668 Eyelet Setter, 8 mm, 10 mm or 12 mm, specify size</p> 	<p>Adds eyelets to your projects with ease and precision</p>												
<p>SET SNAPS</p> 	<p>65-6160 2205 Segma Snaps Die Set</p> 	<p>Sets top and bottom of 2205 Segma Snaps</p>												
	<p>65-6161 2206 Snaps (#20 Line Snaps) Die Set</p> 	<p>Sets top and bottom of 2206 Snaps (#20 Line Snaps)</p>												
	<p>65-6162 4P Durable Snaps (#24 Line Snaps) Die Set</p> 	<p>Sets top and bottom of 4P Durable Snaps (#24 Line Snaps)</p>												
<p>SET DOUBLE CAP, RAPID & JIFFY RIVETS</p> 	<p>65-6163 Double Cap, Rapid & Jiffy Rivets Die Set</p>  <p>Note: Won't set 1/4" 2200 Rivets</p>	<p>Sets double cap, rapid and jiffy rivets with caps</p>												