

Upholstering a Wingback Chair – Frame Up Through Springs

Wingback chairs can be transformed to fit a variety of design styles and are a staple for your upholstery portfolio. Learning to set and tie springs is a valuable technique for any upholsterer and will help set the foundation for your custom chair designs going forward.



Upholstering a Wingback Chair – Frame Up Through Springs: Step-By-Step Instructions

This how-to guide covers the steps to prepare the chair from the frame up. It includes how-to's for setting and tying springs and applying foundation padding. This is designed as a high-level guide, and not intended to be used as a detailed training reference material for upholstering a wingback chair. For more information on tearing down the chair and doing a cut plan, please reference our webinar: Upholstering a Wingback Chair - Frame Up to Tying Springs.

Preparing the Seat Foundation:

- 1 On the bottom of the chair, stretch webbing front to back, folding over onto itself, and staple. Complete all rows.

Materials & Supplies

Rowley Products

- Utility Scissors/Shears, 8"
- R-TEC Upholstery Air Stapler - Long
- 71 Series Staples - 3/8"
- 71 Series Staples - 1/2"
- Curved Needle
- Jute Webbing
- Upholstery Jute Stretcher
- Polyester Batting
- Wraparound Safety Glasses

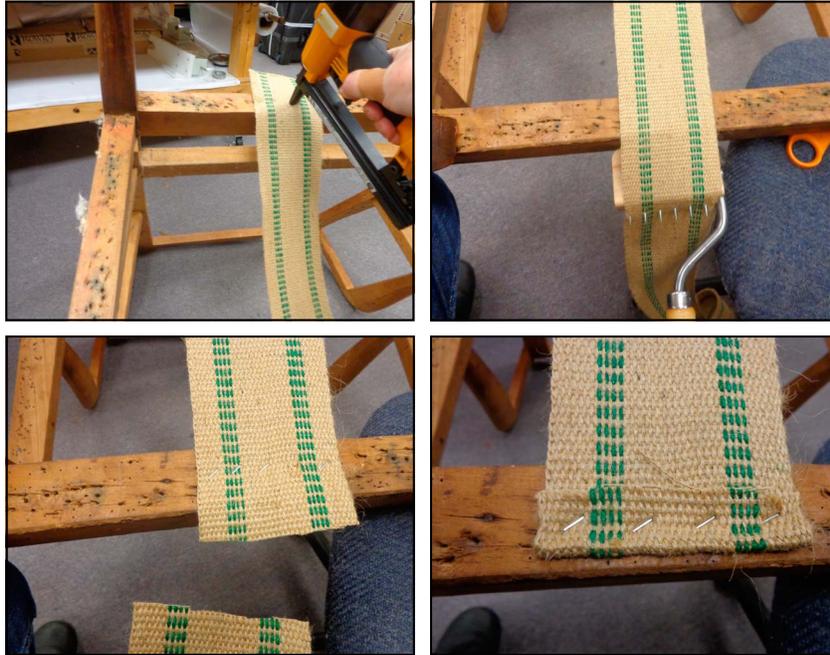
SKU

- [CU8/U](#)
- [NSG10](#)
- [NS33/E](#)
- [NS34/E](#)
- [TP68](#)
- [CS32](#)
- [MH24](#)
- [PF76](#)
- [SG03](#)

Other Materials Needed

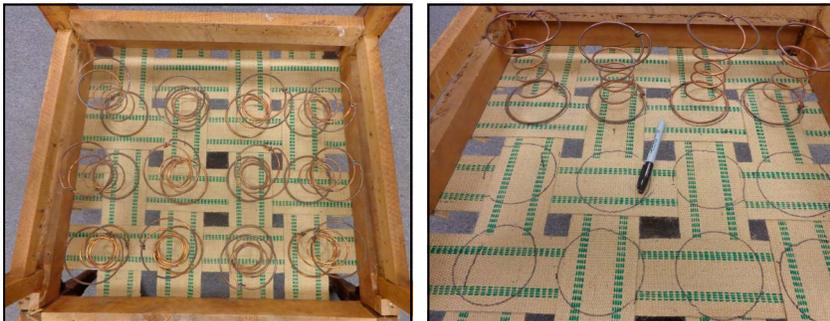
- Permanent Marker
- Burlap
- Spring Twine
- Jute Twine
- 1" Edge Roll
- 1/2" Edge Roll
- Edge Roll Knife or Box Cutter
- Deck/Spring Padding

2 Stretch and staple webbing side to side, making a weaving pattern. Complete all rows.



3 Place springs on top of webbing (so they sit in the chair frame).

4 Mark around each spring and remove.



5 One at a time, place a spring onto its marks and secure it with spring twine.

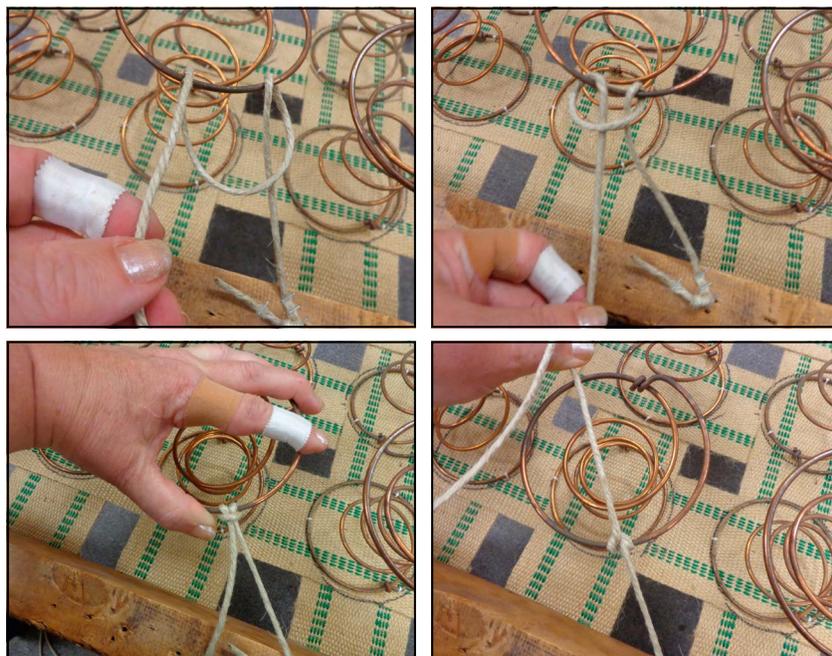
- A. Tie off each spring in three areas by sewing up, over and down on the side of the spring.
- B. Move onto the next spring and so forth until you run out of thread.
- C. Re-load the needle and continue until all springs are secured.
- D. Tie a knot at the end of the twine by looping twine over needle before pulling all the way through.





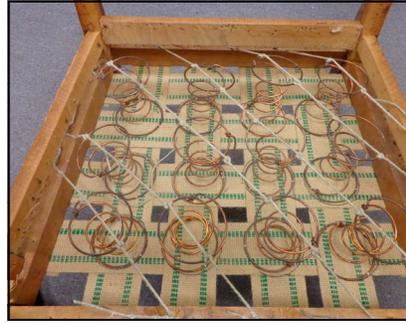
Tying the Springs:

- 1 You will tie each spring four times – once front to back, once side to side and on both cross ways paths per row.
- 2 Secure twine to frame with tacks or staples.
- 3 Tie a hitch knot around the first spring in the line.
- 4 Depress spring to required height and tighten knot.
- 5 Move twine to the other side of the same spring and tie another hitch knot.

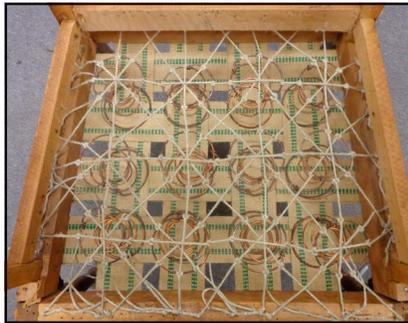


6 Move across the entire row until you come to the frame.

7 Tie off twine to frame.



8 Complete all rows of tying.



Completing the Seat Foundation:

1 Staple on a row of 1" edge roll to the front frame, making cuts to remove material to make a sharp corner.



2 Cover the area with a layer of burlap large enough to pull through on all four sides.

3 Stretch and staple burlap.

4 Remove excess from sides.



5 At the front, make a corner encasing the edge roll and staple.

6 Tie the top of each spring to the burlap by stitching through the burlap and a part of the spring.

7 Do this to each spring in three places until all springs are attached.



8 Lay in a layer of Deck Padding to cover the top of the spring burlap and tuck into the sides and back – it will be flush at the front.

9 Tuck, staple and trim away excess.

10 Add a layer of batting on top of the deck padding, pulling it over the front to the bottom of the frame and through the sides and back.

11 Staple sparingly and remove excess bulk at the front corners.



Preparing the Chair Foundation for Padding and Fabric:

NOTE: You can choose to do the foundation prep now or as you come to that area. These inside areas do not require using a webbing stretcher. Just make them hand-tight.

- 1 Web inside arm areas, webbing side to side then close the hole with burlap.
- 2 Web the inside wing area, webbing side to side and leaving a small space at the bottom for padding and fabric pulls then close the hole with burlap.
- 3 Web the inside back, webbing top to bottom then close the hole with burlap.



- 4 Cut and staple on 1/2" edge roll on the arm roll/key areas.



**For steps on how to add foundation padding and pulling final fabric please see our how-to guide on Upholstering a Wingback Chair – Adding Fabric.*