

String Winder Tools and Parts

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String Winder

Four 8-32 × $\frac{3}{8}$ in. custom machined screws for fastening the drive shaft keys to the hubs of the *lower* timing pulleys. Round head diameters reduced on a lathe.

Two blue EAR-ISODAMP C-1002 brake pads designed to stop the slow rotation of the hose clamp worm screws that are attached to the outer races of the ball bearings located on the left and right sides of the *lower* green timing pulleys.

Two chuck carriage electrical switches

Six linear bearing support rail sections.

Two machined aluminum bushings and two $\frac{3}{4}$ in. diameter aluminum shafts. With the bearing plates on the workbench, use these components to determine the locations of the ball bearings and EAR pads of the *lower* timing pulleys.

String making tools: wire cutters and needle nose pliers.

One extra needle thrust bearing for the bronze wrap wire spools.

Brass balls with 0.140 in. diameter holes to fit the copper plated hitch pins of the Bass Canon.

For the bronze wrap wire spools: Belleville spring tension washers and needle thrust bearing washers.

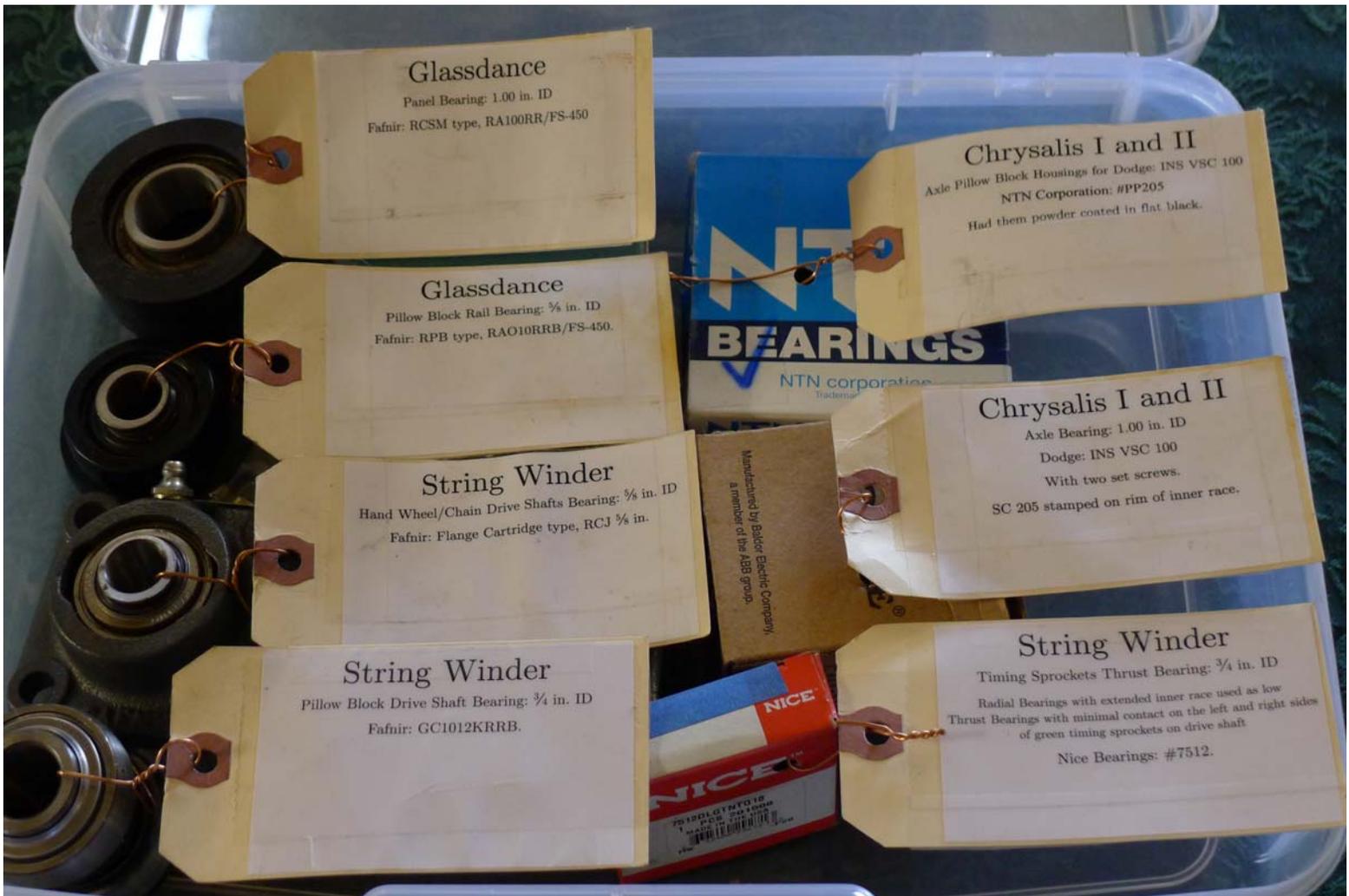
Five white high-temperature PTFE buffer washers for placing between the ball bearings and the *lower* timing pulleys.

Bag of brass balls with undersized holes.



Ball Bearings

Chrysalises, Glassdance, and String Winder



Felts

Chrysalises, Diamond Marimbas, Bass Marimba, String Winder

Brown felt from the American Piano Supply Co; they are no longer in business. I was unable to find this material anywhere. American Piano described it as, "Steinway Style Stringing Cloth, #33894NS — Brown." This is a highly durable felt that I used to cover the mallet shelves on the Bass Marimba, and the brake blocks of both Chrysalises.

From left to right, all Schaff Piano Supply Co. products.

3 in. wide red understringing felt used to line the hose clamps that hold the $\frac{1}{4}$ -wavelength resonators on the Diamond Marimbas and the Bass Marimba. I also used this felt as cushion material on the cavity resonator brackets of the Bass Marimba, and on the ball bearing plates of the String Winder. This is also an excellent material for hand polishing wood, metal, and/or Delrin parts found on most instruments. Schaff #302R

$1\frac{1}{8}$ in. wide red understringing felt for heavy Bass Marimba mallets. Schaff #2335

$1\frac{1}{2}$ in. wide — thick — green backrail cloth for heavy Bass Marimba mallets: Schaff #322A

1 in. wide red pressure bar felt for heavy Bass Marimba mallets. Schaff #950

$1\frac{1}{2}$ in. wide — medium thick — green backrail cloth for Bass Marimba mallets and resonator plugs. Schaff #322B

2 in. wide red Steinway style stringing cloth for extra long custom music stand shelves. Schaff #2331R



Nut Plates

Bass Marimba and String Winder

Long Bass Marimba nut plates.

Long String Winder nut plates.

Short nut plates (not used on instruments).

1/2-13 left hand nuts welded to plates.

1/2-13 right hand nuts welded to plates.

Four extra *unmachined* Diamond Marimba I and II furniture foot levelers.



W.M. Berg Catalogs (1)

Glassdance & String Winder Components

Four small old catalogs with color pages.

As of — September 2019 — the sales department still accepts legacy part numbers.



W.M. Berg Catalogs (2)

Glassdance & String Winder Components

One large recent catalog with black and white pages.

