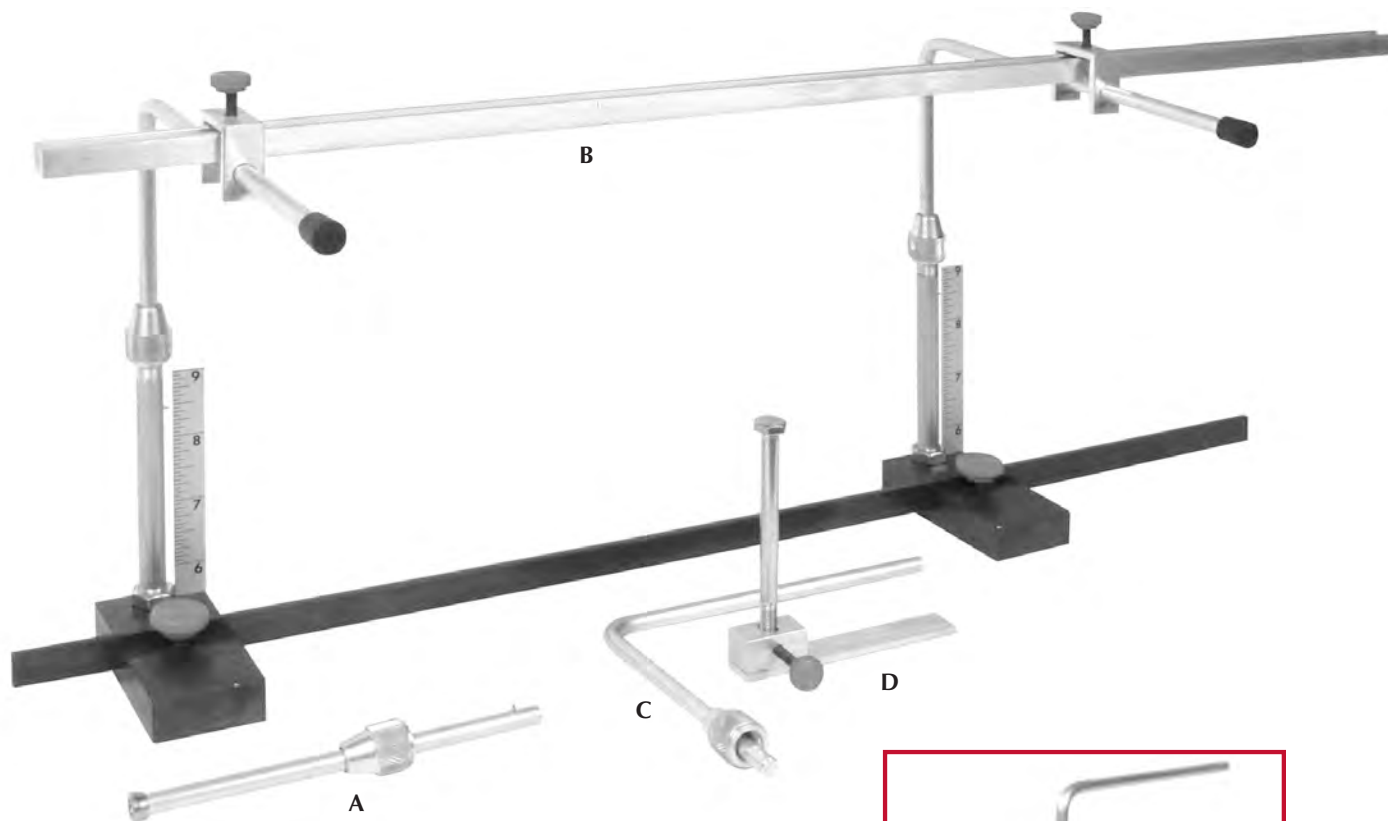


JARAS TOOLS FOR PRECISION CRAFTSMEN

From installing key buttons to regulating grand pianos to hanging vertical piano hammers or leveling both white and black keys - Tony Jaras has literally revolutionized the technology of the Piano Repair Industry. Over the last 30 years, thirteen inventions have been developed that will undoubtedly secure a high place in piano repair history for Tony. Schaff is extremely proud to work with Mr. Jaras and be able to exclusively distribute his exceptional line of tools. By using the best quality materials available, each Jaras tool is designed to last a lifetime and enable the piano repair craftsman to do a more accurate job, as well as to save on installation or regulation time. Any serious piano technician must consider owning several Jaras tools.



(A) String Height Gauge Attachment. Insert into either of the two stands and by placing underneath the string an accurate reading can be obtained from the ruler gauge.

(B) The let off rod is then replaced into the stand and set for 1/16" lower than the string height reading. Now you are ready for let off regulating.

(C) Backcheck Gauge Attachment. Insert into stand like string height gauge attachment and set at the same reading (shown in insert). The bottom of the bent rod will be 5/8" from the strings. When the hammer is the same height as the bottom of the rod, the backcheck will be properly set.

(D) Damper Lever Height Gauge. Insert into the base of the stand and set the top of the extended part of the gauge under the damper lever. This measurement should be made when the hammers are half-way elevated or keys half-way depressed.



JARAS 4-IN-1 LET OFF RACK, STRING HEIGHT, BACKCHECK AND DAMPER LEVER HEIGHT GAUGE.

A proven best seller to take the guesswork out of grand piano regulation. Performs the regulating functions with precision. Tool will last a lifetime and pay for itself many times over. Parts are made of quality materials, completely disassemble and light in weight.

No. 907 - Jaras 4-In-1. Each

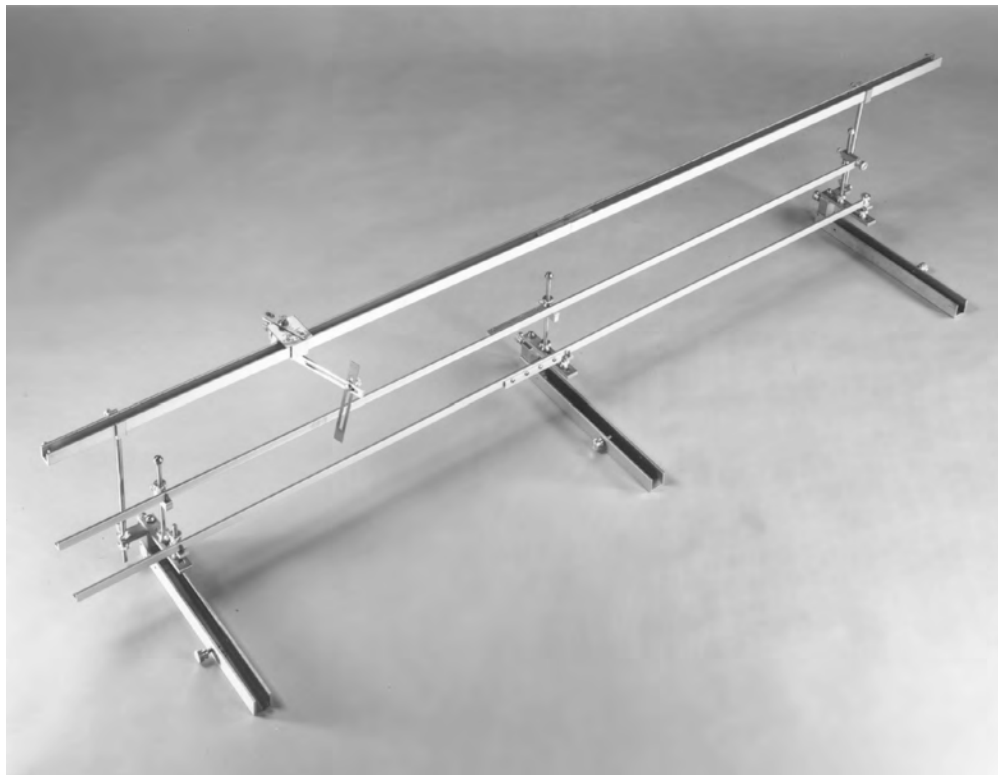


JARAS PIANO HAMMER INSTALLERS

JARAS GRAND PIANO HAMMER INSTALLER

This unit is by far and away the most accurate and efficient hammer installation jig on the market today. Over the last twenty years, hundreds of these Jaras installers have been sold. Designed to last a lifetime, all component parts are either aluminum or stainless steel. The unit is fully adjustable and can be adapted to any grand keyboard. For most grand actions, a single setting can be made for all 88 notes enabling all hammers to be installed with the correct horizontal angle, vertical pitch and traveling distance. A truly professional looking jig - this unit will pay for itself many times over. Complete instructions are available upon request.

No. 892 - Jaras Grand Hammer Installer. Each

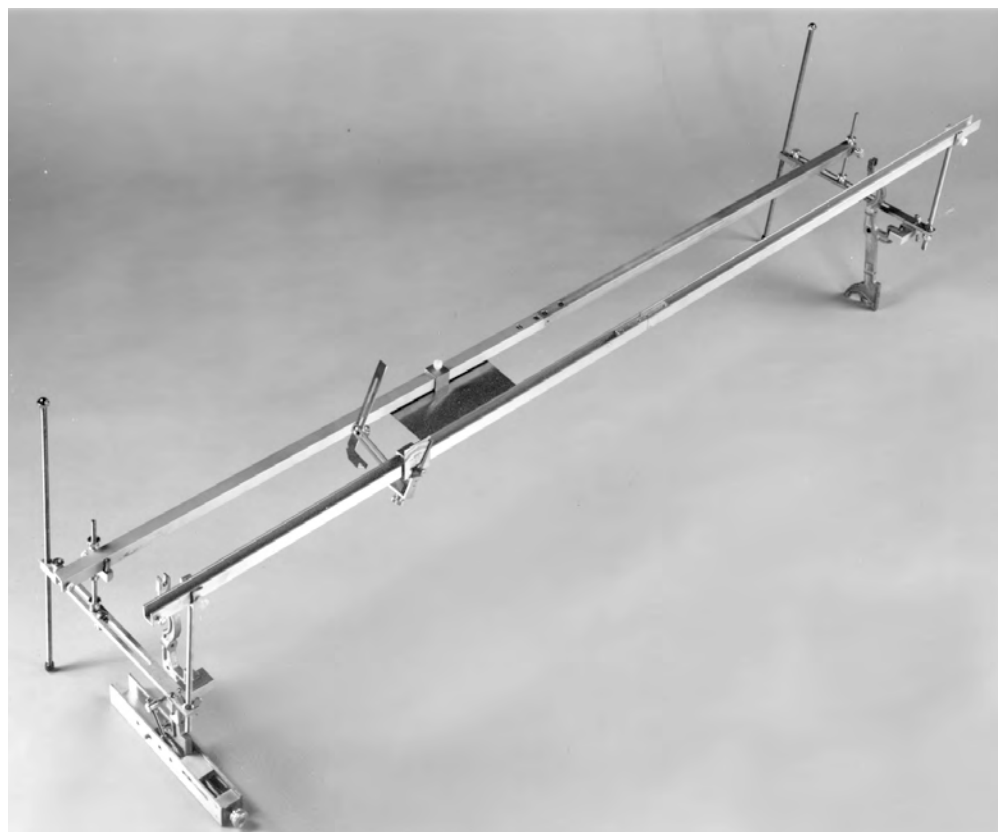


JARAS VERTICAL PIANO HAMMER INSTALLER

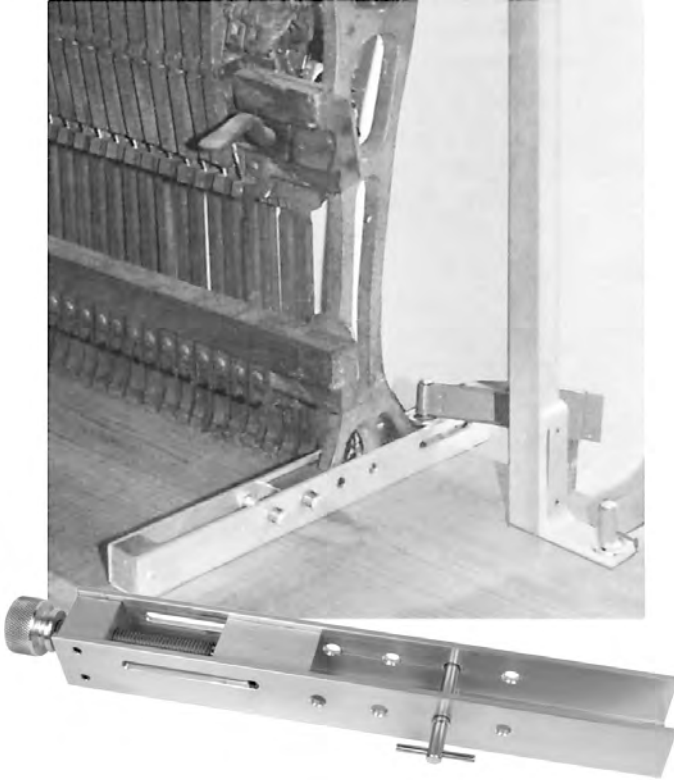
JARAS VERTICAL PIANO HAMMER INSTALLER

The Vertical Hammer Installer was by far the most difficult invention for Tony Jaras to develop. To our knowledge, no one in the history of piano repairing has ever manufactured a device to properly install vertical piano hammers. Made from aluminum and stainless steel parts, this jig is very professional looking, as well as extremely accurate. With the action out of the piano, the fully adjustable action holder is used for stability, and then both ends of the action brackets are clamped by the installation jig end pieces. Working in sections, all hammer angles and hammer tails are properly aligned so that only very minor adjustments are required when the action is returned to the piano. Complete instructions are available upon request.

No. 887 - Jaras Vertical Piano Hammer Installer. Each



OTHER JARAS BEST SELLERS



JARAS UPRIGHT ACTION HOLDER

This Jaras tool was developed in conjunction with his upright hammer installer for holding the action in place to prevent tipping (see insert). Two units can be used on either end of the action, but only one is really necessary. The holder can be clamped to a table for added stability. Width of the holder should accommodate any type of action bracket, while the length is fully adjustable with 4 clamp positions on one end and a threaded screw assembly in front. Tool is made of aluminum and stainless steel, measures 10-1/2" long, weight 15 oz. Will last a lifetime.

No. 886 - Jaras Action Holder. Each



JARAS SHANK AND HAMMER CLAMP

This is an entirely new tool made of lightweight aluminum measuring 20 inches in length, enough so an entire section of shanks or hammers can be clamped at one time. There is a rubber cushion inlay on each side of the jaws to prevent marring of the hammer shanks. This clamp can be used for three different operations: shaping and roughing of grand hammer tails; cleaning old glue irregularities from hammer shanks; and dressing the striking surface of the felt hammers. The Jaras clamp is a lifetime tool that will drastically reduce the time needed to do these three operations.

No. 890 - Jaras Shank and Hammer Clamp. Each



JARAS ELECTRIC KEY BUSHING CLOTH REMOVER

Never before has there been a tool available to the piano technician to easily remove key bushing cloth (see insert A). Simply wet the felt bushing and insert the heated copper tip of the gun. Within a few seconds the steam will allow the bushing to be removed. So that the tool will not have to be continually unplugged to prevent overheating it is suggested that our No. 906 heat control unit be purchased.

No. 909 - Bushing Cloth Remover. Each



HEAT CONTROL UNIT

Will control the watts generated from any 120 volt tool up to 400 total watts.

No. 906 - Heat Control Unit. Each



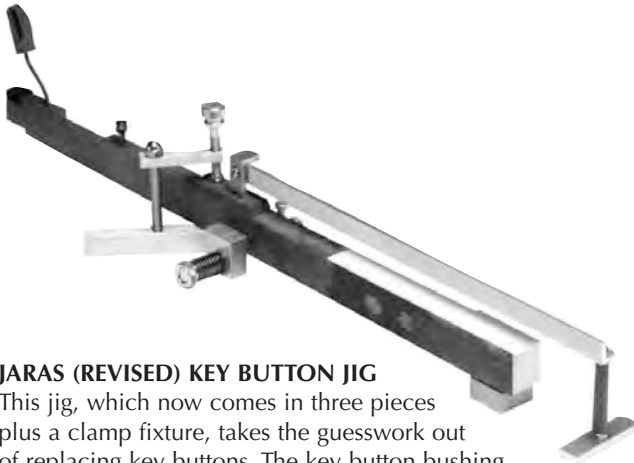
OTHER JARAS BEST SELLERS



JARAS MULTI-FUNCTIONAL KEY LEVELING, KEY DIP REGULATING AND KEYBOARD CROWN SETTING DEVICE

After three years of research and many prototype devices, the Jaras Multi-Functional Device now incorporates leveling white and black keys, regulating key dip and setting the keyboard crown all into one easy-to-use tool. Included with this tool is a 52" aluminum track, 2 clamps and the sliding dial and gauge unit. The aluminum track is usually clamped to the keybed of the piano, however, in the case of grands, all of the regulations can be performed on a workbench. Central to the workings of this device is the dial, gauge unit that accurately determines the size of punchings to add or subtract from the center and front rail pins. Full instructions are available with the unit and can be sent upon request.

No. 888 - Jaras Multi-Functional Device. Each



JARAS (REVISED) KEY BUTTON JIG

This jig, which now comes in three pieces plus a clamp fixture, takes the guesswork out of replacing key buttons. The key button bushing slots quickly will be parallel to the key's front rail slots, thereby, eliminating any binding on the key pins. The jig is made of aluminum and chrome-plated steel, and comes complete with operating instructions.

No. 147 - Jaras Key Button Jig. Each

JARAS SHARP LEVELING AND KEY-DIP DEVICE

Technicians no longer have to rely on leveling sharps by sliding across an inaccurate key slip. The tool is less than 1 ounce in weight and is straddled over the front end of the sharp to be regulated. Raise or lower the sharps until the lower shoulder of adjustable sleeve is flush with measuring rod.

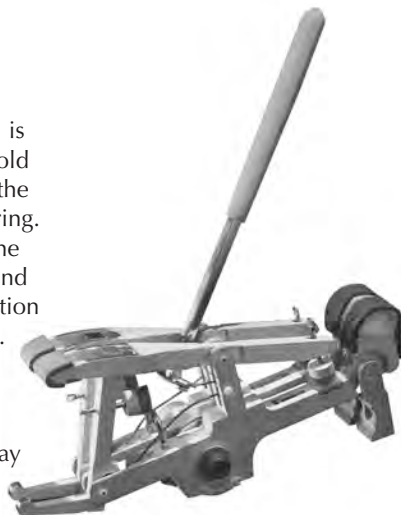
No. 40 - Jaras Sharp Leveler. Each



JARAS STEINWAY REPETITION SPRING REGULATOR

This unique tool, measuring 5-1/4" long, is the answer to the age-old problem of regulating the Steinway repetition spring. A recessed groove at the end of the tool helps find and regulate the repetition spring without looking. Can also be used on other grand whippens such as Chickering.

No. 891 - Jaras Steinway Repetition Spring Regulator. Each



JARAS DIAL GAUGE SHARP LEVELER AND KEY DIP DEVICE

Similar to the No. 40 Jaras Tool shown above, except that a dial gauge is incorporated for exact .005 thousandths of an inch measurements. This measurement principle is just like the gauge in the No. 888 Jaras Multi-Functional Device. A standard 3/8" key dip is built into the tool, but with the dial gauge a .390" Steinway key dip can be easily and accurately attained.

No. 42 - Jaras Dial Gauge Leveler. Each

