

A FEW QUOTES FROM USERS

THE NEW YORK TIMES

...I am glad Mr. Lane, our Mechanical Superintendent, bought the *ALIGN-A-MAT* for our machine room. It does everything you claim for it accurately and speedily.

HENNY RICKER, *Head Machinist*

NEW YORK HERALD TRIBUNE

...The upkeep of our 18 and 24 point two letter matrices alone more than paid for the cost of the *ALIGN-A-MAT* in a comparatively short time.

JOSEPH F. HAAREN

THE COBLESKILL TIMES, New York

... We have given the *ALIGN-A-MAT* matrix repair machine a thorough trial and are much pleased with the results. Our machinist reports that large quantities of mats, especially in the 8 point size, previously discarded, have now been put back into operation on our three machines.

CHAS. L. RYDER

CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Penna.

...Our instructor in machine composition has put the *ALIGN-A-MAT* to work and reports that it is a very satisfactory device.

KENNETH R. BURCHARD, *Assistant Dean*

THE WILLIAM BYRD PRESS, INCORPORATED, Richmond, Va.

...This is to advise you that we have received and used your *ALIGN-A-MAT* and have found it to be everything you said it would be. We will be glad to recommend the *ALIGN-A-MAT*, but as you have said, the machine itself is its best recommendation.

DAVID G. WILSON

GREEN BAY PRESS-GAZETTE, Wisconsin

...Our *ALIGN-A-MAT* was purchased in March of this year—I am well satisfied with it. Sure is a matrice saver.

JOS. J. SCHOCH, *Chief Machinist*

SERVICE LINOTYPING COMPANY, Toronto, Canada

...Your *ALIGN-A-MAT* is being used successfully to restore alignment to some of our older fonts. It is especially useful in keeping the lower case and small caps in our good fonts in perfect alignment.

SYDNEY Y. COLE

THE McARDLE PRINTING COMPANY, INC., Washington, D.C.

... We are pleased with the results of the *ALIGN-A-MAT*. Aside from savings made possible by restoring old mats, we have put back in use several fonts that were discarded because of alignment trouble.

The *ALIGN-A-MAT* has repaid for itself over and over, and due to its precision construction it will continue for a long time to reduce the cost of matrix replacement.

PAUL J. CURRAN, *Machinist*

THE IDAHO STATESMAN, Boise, Idaho

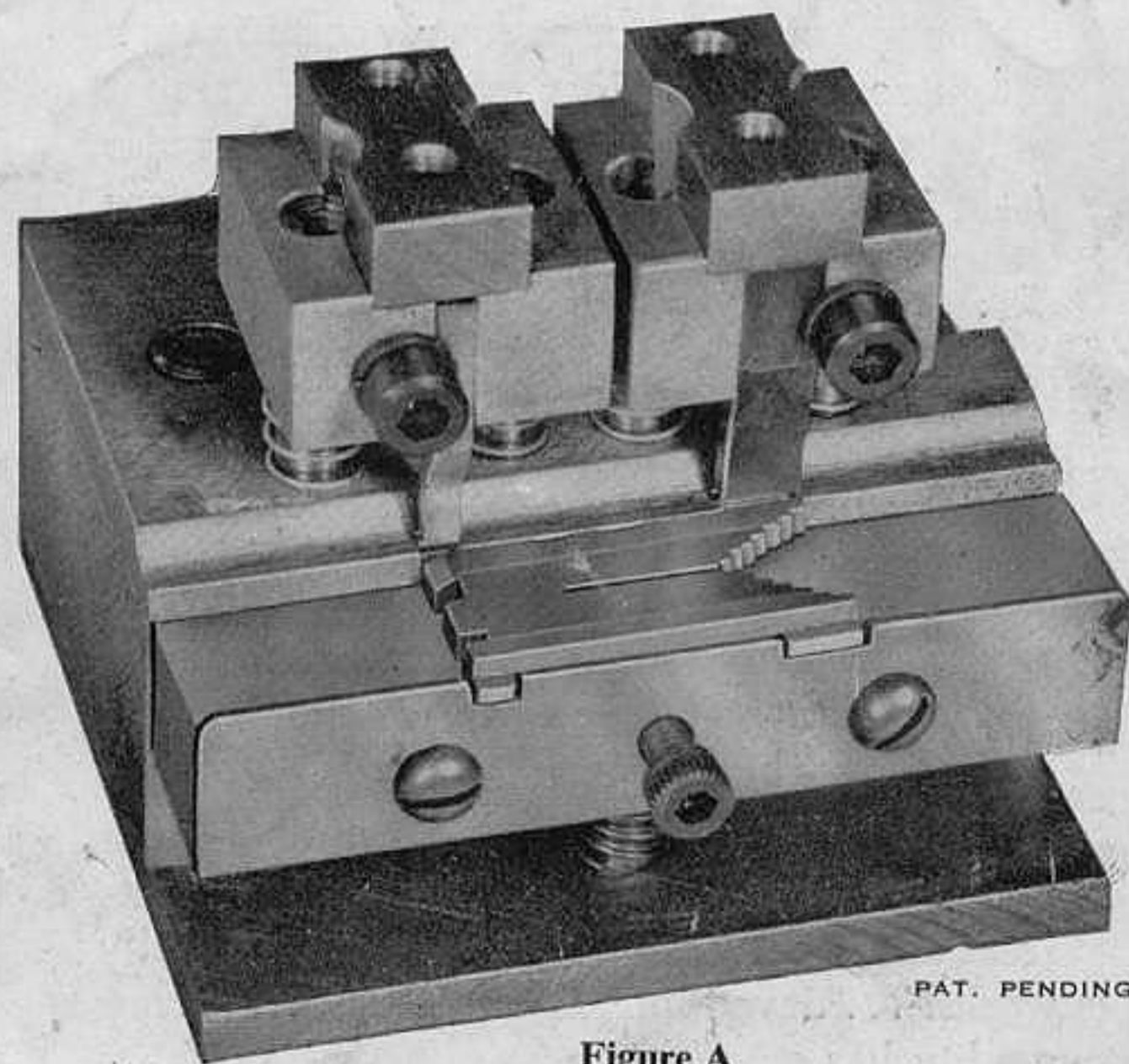
...We have decided to keep the *ALIGN-A-MAT* which you sent us on a trial basis. Kindly bill us for it. Thank you.

H. M. BALLIF, *Business Mgr.*

BIG MONEY SAVER

**Corrects Misalignment and
Eliminates Distributor Stops
Due to Worn Lugs on Mats
in One Operation**

THE *Align-A-Mat*



PAT. PENDING

Figure A

**FISK
INDUSTRIES**

JUdson 2-0100

130 WEST 46 STREET
NEW YORK 36, N. Y.

THE *Align-A-Mat*

The *Align-A-Mat* has been on the market for a number of years and is being used successfully in more than 1000 leading composing rooms. A simple operation restores worn alignment lugs on Linotype or Intertype mats and brings them back to factory standard. While restoring alignment, it also eliminates distributor stops due to short lugs.

The *Align-A-Mat* has been developed by Sol Cantor, President of The Composing Room, Inc., internationally known for fine typography for the past 30 years. (Mr. Cantor is a practical machinist, long noted for his work with line-casting machines.)

Linotype or Intertype mats now cost 25¢ each and more. Repairing lugs to restore alignment and eliminate distributor stops on otherwise perfectly good mats is a major problem in every composing room where line-casting machines are used. The *Align-A-Mat* is the answer to this problem.

No special skill is required to operate this patented tool. Anyone who follows instructions herewith, can with a little practice do an expert job of bringing mats back to standard alignment. There are three points on a mat which determine alignment. Provision is made to correct each of these.

The *Align-A-Mat* is now in use in leading plants all over the world. Typical comments from users are: "Simplest and best"... "It really works!"... "Saved hundreds of dollars... our quality has greatly improved."

Savings on restoring to usefulness just one or two old fonts will virtually pay for the *Align-A-Mat*. Future savings by keeping your working fonts in good condition are all profit.

Accompanying illustrations and instructions show how simple it is to operate this tool.

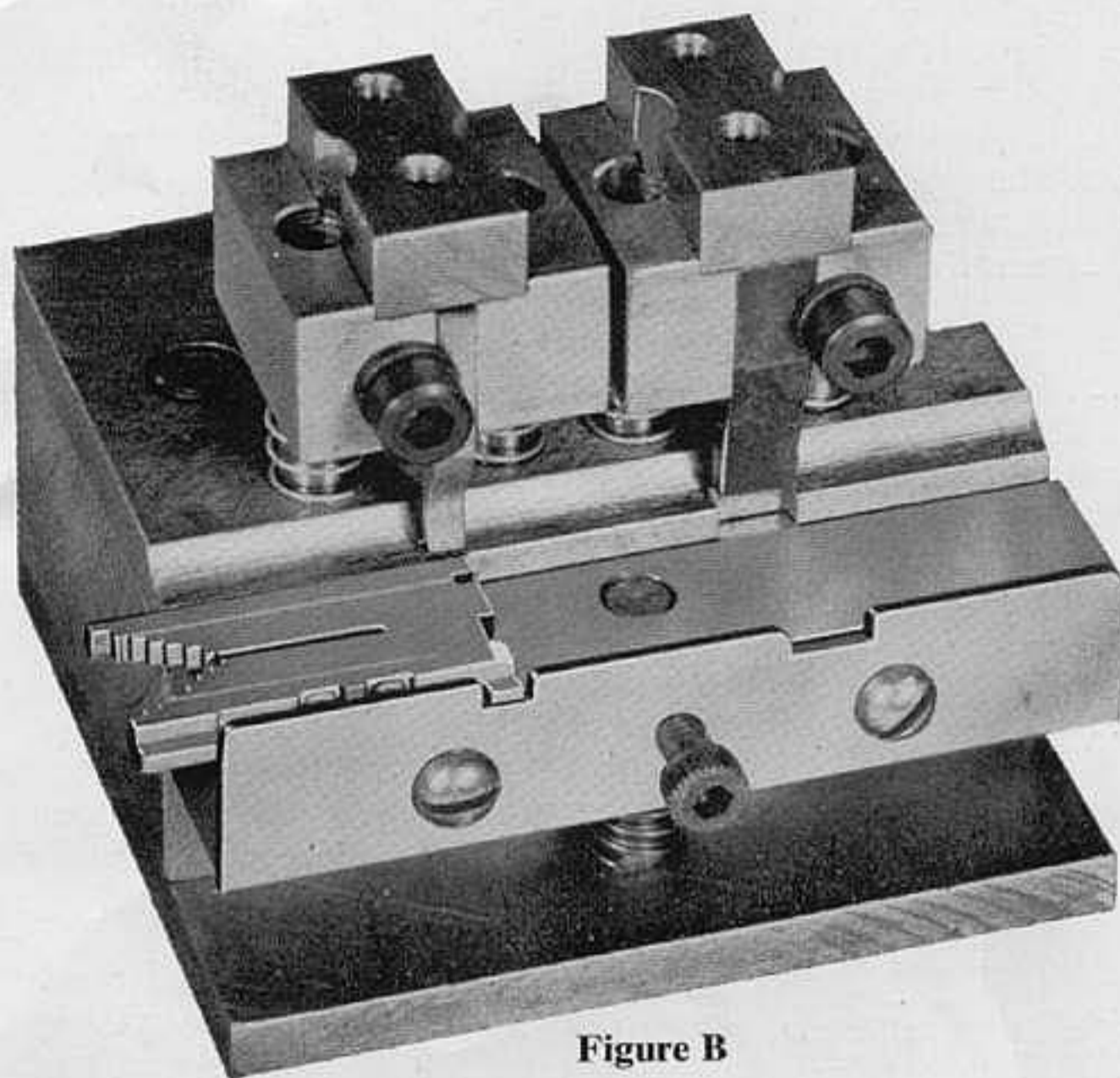


Figure B

[Below is an example of mats that would normally be discarded, now restored to usefulness on the *Align-A-Mat*.]

BEFORE

eeeeeee tttttt aaaaaaaaaa oooooooooo iiiiii nnnn
nnn ssssss hhhhhh rrrrrrrr dddddd llllll cccccc
eeeeeee tttttt aaaaaaaaaa oooooooooo iiiiii nnnn
nnn ssssss hhhhhh rrrrrrrr dddddd llllll cccccc

AFTER

eeeeeee tttttt aaaaaaaaaa oooooooooo iiiiii nnnn
nnn ssssss hhhhhh rrrrrrrr dddddd llllll cccccc
eeeeeee tttttt aaaaaaaaaa oooooooooo iiiiii nnnn
nnn ssssss hhhhhh rrrrrrrr dddddd llllll cccccc

How *Align-A-Mat* works

CORRECTING MISALIGNED MATS: Linotype or Intertype mats are aligned in the Roman position (Figure A on cover) by two lugs: (1) the lower lug or toe on the casting side of the mat and (2) the upper ear on the index side of the mat. It is the lower lug that wears the most—the upper ear seldom requires repairing.

The alignment of Italic, Small Caps and Bold Face (Figure B) is determined by the top of lower lug on the casting side and bottom of lower lug on the index side. The lower lug on the index side needs repairing only when rounded on bottom, this is the part of the mat that comes in contact with the duplex rail in first elevator. It need not measure .125.

STANDARD MEASUREMENTS FOR THE ALIGNING LUGS: The main aligning lug (the lower on the casting side) should measure .125; .001 minus is allowed. It will seldom be over .125. The upper ear (index side) should measure .265 to .267. Intertype and Linotype mats vary somewhat at this point. The upper ear (casting side) is not important for purposes of alignment and needs no repair.

When a font shows misalignment, run the mats out letter by letter—e, t, a, o, etc.—and measure one or two mats of each character with a micrometer to see how far the lower lug (casting side) is off the standard measure (.125). The more it is worn the harder the jack holding the small punch will have to be struck to repair it. Thin letters, such as i, l, , . ‘’, etc., require lighter tap than mats with thicker lugs. For a simple test of whether a mat is worn, try inserting it into the *Align-A-Mat*. IT WILL NOT FIT if it is in good condition, and needs no repair.

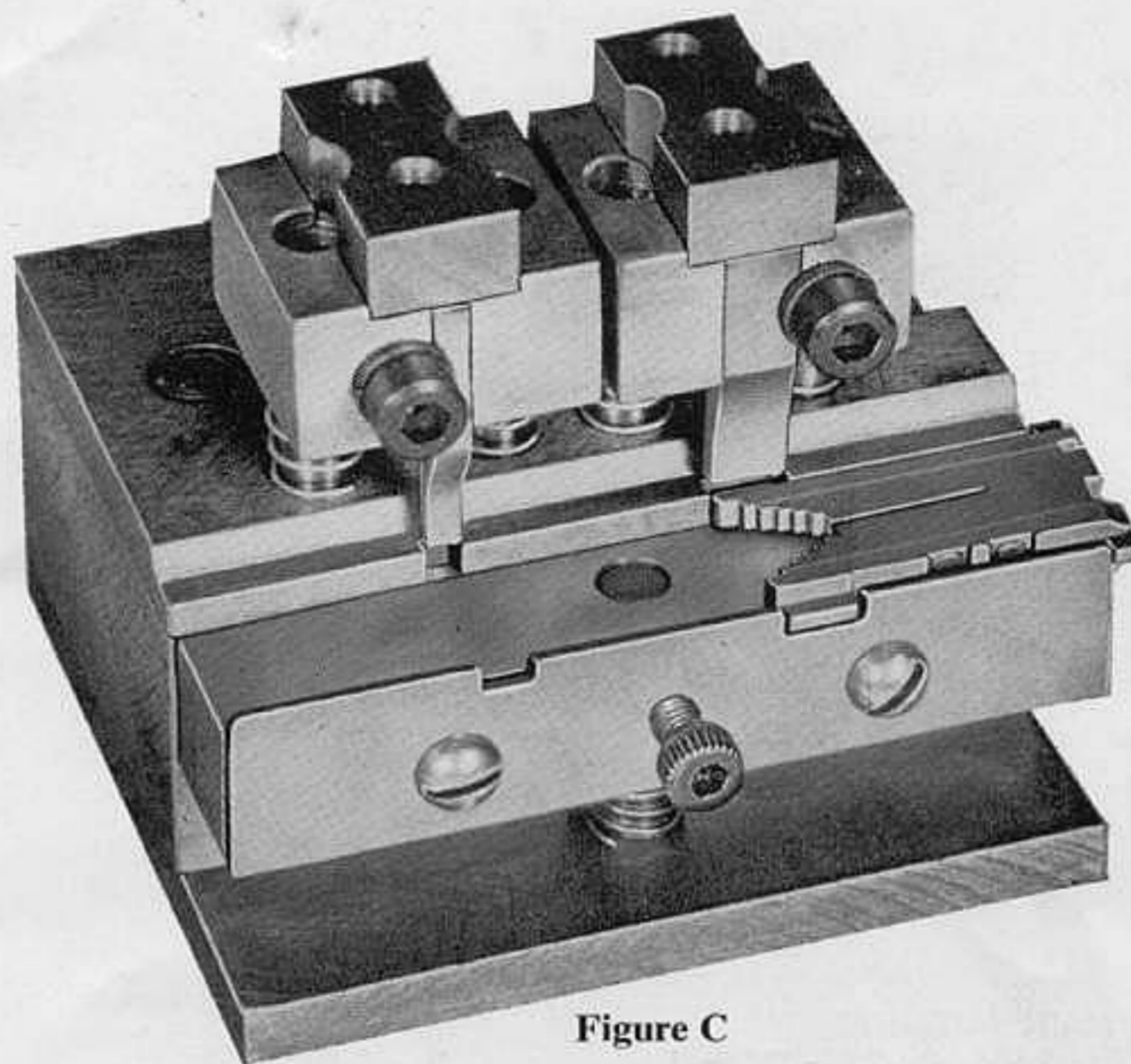


Figure C

Usually, repair is required for the most-used lower-case letters and a few small caps, such as the a, q, and i. Caps and figures, unless used excessively, will normally be found in good condition. However, ALL mats can be repaired on the *Align-A-Mat*.

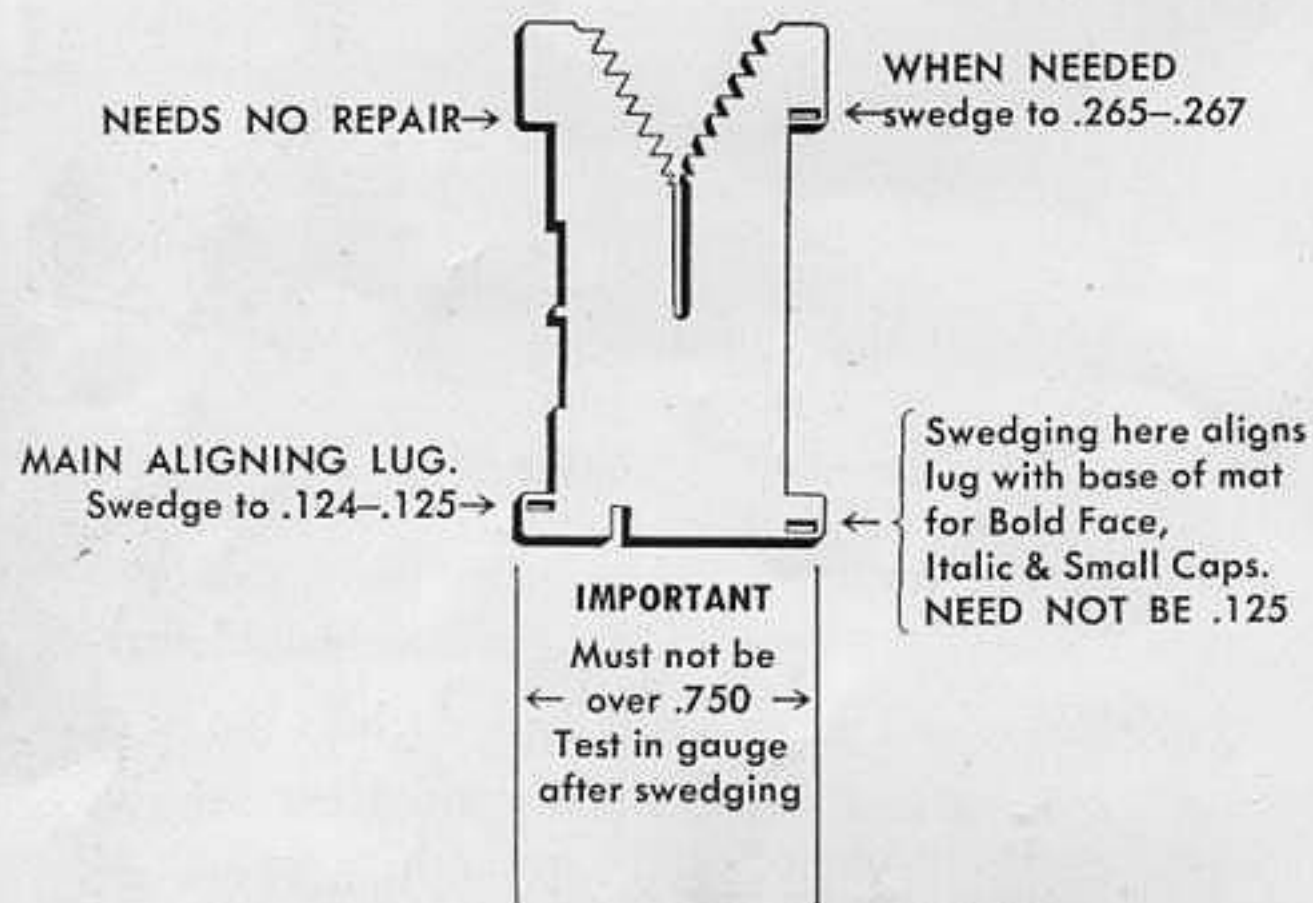
The table or platform of the *Align-A-Mat* should be lowered when repairing some 14 pt, 18 pt, or larger mats on which the ears and lugs are milled on both sides. Lift both jacks and lay mat on top of platform, loosen set screw on side of platform and push platform down until lugs fit flat into the openings of the *Align-A-Mat*. Put jacks back and press down to keep mat flat and tighten set screw. To raise platform back to normal, loosen set screw on side and let it rise as far as it will go and tighten set screw.

INSTRUCTIONS

USING THE ALIGN-A-MAT: This tool is designed to repair ALL the aligning lugs and ears on your mats. Follow the simple steps described below to bring the mats back to factory standard:

- (1) Feed mats into the *Align-A-Mat* (Figure A).
- (2) Strike jack holding the small punch only, with a plastic hammer. (We find the Stanley Plastic Hammer No. 594 best.) Thin mats require lighter tap than those with thick lugs. More than one tap may be required when repairing mats that are badly under-size. Now **LIFT** the mat. You should feel a little resistance as it comes out of the *Align-A-Mat*. If the mat lifts too freely, tap the jack again until you feel resistance.
- (3) You now have a completely restored lower lug. It will measure .125. One thousandth minus is allowed.
- (4) If the lower lug (index side) needs repairing, put the mat into your *Align-A-Mat* as shown in Figure B, and proceed as in (2) above. The bottom of this lug is then repaired for the Italic and Bold Face position. No resistance need be felt when **LIFTING** mat. This lug need not measure .125.
- (5) The upper ear (index side) is repaired by inserting the mat in the *Align-A-Mat* as per Figure C. Tap jack holding large punch and bring the ear up to measure .265-.267. No resistance need be felt when **LIFTING** mat.
- (6) The *Align-A-Mat* is equipped with standard punches. These will work well on ALL normally worn mats. To correct a font that is worn excessively, .010 or more, best results will be obtained by first swedging main aligning lug, lower, casting side and Italic lug, lower, index side with the #2 punch (with flat bottom). This operation evens up the brass of the lugs preparing same for the #1 punch (with small extension on bottom) which should be inserted into jack and then proceed as outlined above. The #2 punch will produce best results on mats that have once been processed on the *Align-A-Mat* and due to wear need repairing again.
- (7) A gauge will be found on the right-hand side of the *Align-A-Mat*. After swedging lugs they should be tested in this gauge. If they don't fit freely, dress lugs with fine file until they do. **This is important. OVERSIZE LUGS** will cause binding in distributor boxes and magazine channels.

The diagram below shows graphically how Linotype or Intertype matrices are restored to original factory dimensions on the *Align-A-Mat*.



Old mats with short lugs are the cause of many distributor stops. The *Align-A-Mat* will repair these lugs at the same time that it restores alignment. This is an *extremely valuable feature* of the *Align-A-Mat's* usefulness when correcting older fonts. Keeping good working fonts in top condition is easy with the *Align-A-Mat*.