2-1-34 **INSTRUCTIONS FOR REPAIRING DAMAGED MATRICES** **FI-45**
1 sheet

1. Place the side of the matrix against the large file with the index downward; rub it lengthwise of the file, pressing it against the file only when rubbing it in the direction indicated by the arrow. On the return stroke, do not press matrix against the side.

   Rub only enough to remove any burrs or projections.
   TOO MUCH RUBBING WILL DAMAGE THE SIDE WALL AND RUIN THE MATRIX.

2. Now turn the matrix over and dress the other side in the same manner as above.

3. Next, lay the matrix on its side with the foot of the matrix against the file. Just one light stroke against the file will be sufficient.
   TOO MUCH RUBBING WILL RUIN THE MATRIX.

TO DRESS THE FACE NOTCH

1. After enough matrices have been dressed to fill the matrix holder, place them in the matrix holder with the face notch upward. Lay the holder full of matrices on the base plate and release the clamp screw enough so that the matrices are resting on the base plate; then tighten the screw slightly.
   (Reverse clamp blocks in matrix holder are for either Roman or Italic matrices.)

2. Allowing the file holder to rest against the bearers of the matrix holder, rub the file along one side of the face notches, using pressure against the matrices only when rubbing in the direction as shown by the arrow on the file holder.
   FILE ONLY ENOUGH TO REMOVE THE BURRS.
   (Screws are provided for adjustment of file in holder to suit depth of face notch in matrix.)

3. Now dress the other side of the face notches in the same manner.

4. Brush off all the metal filings and cast a line from these matrices. If there are any "fins" between the characters, it indicates that there is still a burr on the side of one or more matrices at this point, or that the matrix is beyond repair due to defective side wall.

5. Now observe the head of the slug. If there are any shiny spots along the edge, it indicates a burr still remains in the face notch at this point.

FOLLOW DIRECTIONS CAREFULLY

If the directions are followed carefully, anyone who is a little skillful in handling tools will be able to repair most damaged matrices. There are cases, of course, where matrices are so badly damaged that they must be replaced.

THE MATRIX DRESSING TOOL, A763, CONSISTS OF THE FOLLOWING PARTS:

1 – Base plate with large file clamped in place.
1 – Matrix holder with reversible clamp blocks for Roman and Italic matrices.
1 – File holder with file.
1 – File cleaner.
1 – Brush (for removing brass filings.)
1 – Blue print of instructions.