**How to restore a file**

Study p.82 -86 of your book (Coursebook for mechanical engineering technicians) to find out about the different tools mechanical engineers use.

Watch the [video](https://www.youtube.com/watch?v=3WwpNMnZZEE) and answer the following questions.

1. What did the speaker use to make the tool he uses to restore a file?
2. Has he got a few or a lot of files?
3. What is the usual cost of a file?
4. What can be the problem with files if they have been used a lot?
5. How does the tool for restoring the file work?
6. What does the speaker use to clean the little pieces he removes from the file when he has finished rubbing it?

Match the words with their definitions

1. resurrect 1. finished
2. purchase 2. thin lines cut in a surface
3. extensive 3. rub harshly together
4. clogged up 4. restore
5. grooves 5. great
6. discard 6. blocked
7. rusty 7. throw away
8. grind

 (past simple : ground) 8. with oxidation

1. done 9. buy

Now read the transcript to check your answers. Pay attention to the words in bold.

All right, here’s a tip. This is a tool that I made out of a big nail I took it over to, with a **sledge hammer** (βαριοπούλα) and an **anvil** (αμόνι) and I flattened out this end down here, took it to a **grinder** (λειαντικός τροχός), ground it flat, brought it up to a nice point, not a sharp point but smaller than a screwdriver tip and then with this tool what I can do is I can resurrect files, now I have several hundreds of files and many of them, I ‘d say at least half of them are in really rough shape. Now I have quite an extensive collection of files, I’ve actually got hundreds of files, I was very fortunate to be able to purchase a collection of files sadly from a friend of mine who passed away but he really knew what he was doing with files and many of these including some very big rasps are quite expensive, I mean a file like this would cost you 40 to 50 dollars, the smaller ones are 15 to 20 dollars, that’s about a 40 dollar file, right there the big rasp like this, no I can only imagine how much that would cost, I’ll bet that’s a 100 dollar tool, now the problem is that a lot of these files get clogged up and it’s really hard to use them after they get all **jammed up** (στομωμένο) with **debris** (θραύσματα), now you could take a pocketknife and turn it through all the grooves one by one. That would take a really long time and that’s where this tool comes in, this thing has actually worked out quite nice, now the **concept** (έννοια, ιδέα)here is once you get it flattened off,you take it and you start rubbing it on one end, put it in the **vice** (μέγγενη)rubbing it on one end until you create these little tiny teeth and the little tiny teeth will actually clean out the file, now I’ve already done about 5 or 6 files and what you do is you take this **flap** (πλευρά) that you’ve ground on the grinder over there and you put it in the beginning of this right here and you start going back and forth, it immediately starts cleaning it out, but you keep working on it **diligently** (επιμελώς) until you cut a bunch of little teeth because this is a soft steel, it cuts the teeth quite nicely and all these little teeth will **reregister** (ξαναεγγράφομαι) in the next run, if you can see that, but it’s cleaning out all the old debris, all the old stuff and it takes you a few minutes, not that long but to resurrect a 40 dollar file, it’s certainly worth it. Now this doesn’t sharpen the file, but most files, believe it or not, you can continue to use for a long time and most people discard their files because they get all clogged up, they ‘ve got a thing called a file card and basically it’s a funny little wire brush designed for files and that works really good but if you get rust and **embedded** (ενσωματωμένο)metal and all kinds of stuff deep in these grooves, then it’s really hard to get it out of here so give it 4 or 5 minutes and I tell you it reregisters the old grooves, this is pulling out so much garbage and I tested one of my files, I did it before and after and it felt almost like a brand new flag, the before was useless, it was just **skittering** ( τρέχω) right over and it didn’t work very good, just for wood files and for files that you use for metal, can’t use it on a rasp this way, the rasp is quite a bit different, it’s got these little **punched** (διάτρητο) teeth, a little bit of a rusty spot over here, I’ll tell you and then when you’re all done, then you can take a little brass brush here, clean out the last bit of it and I can feel it, it feels like it’s the cutting surface again, the other side which I haven’t done, it’s **smooth** (λείο), there’s the difference, you have to be, how I wish you could see what I’m doing there since, but this is now a good cutting surface.