

Sendung mit der Maus - Ring - englische UT-Texte

Start 10 00 00 00

- 0 00x - 05                    Sometimes our Christoph  
                                 gets quite pensive.
- 05x - 10x                    This ring: no start or end  
                                 to it...?
- 11 - 16                      But it must have had a start  
                                 and end once, he thinks...
- 16x - 21x                    Who would know? Someone who  
                                 makes rings - a goldsmith!
- 24 - 30                      So our Christoph visits one:  
                                 Christoph Lehmann in Helmstedt.
- 31 - 37                      He asks him how rings are made.  
                                 I'll show you, says Christoph II.
- 37x - 40                    Take little balls of silver.

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- 40x - 45x                    Then add some copper.  
                                 In this fire-proof dish-
- 46 - 51                        they're heated up together,  
                                 until they melt.
- 01 01x - 07                   Now the metal is molten.  
                                 It has to be kept hot-
- 09 - 14                        so that Christoph can pour  
                                 it into a special mould.
- 16 - 21                        Let it cool slightly.  
                                 Then open the mould carefully.
- 24 - 29                        In it is a bar made of  
                                 the silver and the copper.
- 34 - 39                        Take it out, and quench it  
                                 in cold water.

- 48 - 53                    Saw off the small lump that  
formed during casting.
- 53x - 58                    The bar has to be even.  
Why, we'll see soon.
- 02** 03x - 05x                File it smooth.
- 16 - 21x                    Now, the bar is ready to  
go through this roller.
- 24 - 29x                    That takes strength! The bar is  
passed through lots of times.
- 30x - 34x                    The gap between the rolls  
is made narrower.
- 36 - 40x                    So the bar gets thinner  
and longer.

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- 41 - 44x                    This kneads the metals together.
- 45x - 48x                    Finally, the bar is rolled flat.
- 51 - 54x                    But it's still a bar, not a ring.
- 03** 00x - 06x                The goldsmith bends the bar.  
First with ordinary pliers.
- 11x - 15                    "Coming along!"  
thinks *our* Christoph.
- 15x - 21x                    The bar is too long for a ring.  
So a bit is sawn off-
- 22 - 27x                    at each end. The ends have  
to be smooth.

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- 31x - 36x                    With special pliers, Christoph II  
                                 bends the bar into a circle-
- 37 - 41                        and brings the two ends  
                                 close together.
- 41x - 46x                    Now's there's just a small gap  
                                 between start and finish.
- 47x - 49x                    He adds some silver solder.
- 50 - 55                        That's a metal which fills  
                                 even the tiniest cracks.
- 04** 06 - 08x                The join is still visible.
- 10 - 15x                      Cool it off, then put it  
                                 briefly into an acid bath.

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- 21x - 28x                    Christoph files the ring,  
                                 especially around the join.
- 29 - 31x                    Now, the join can't be seen.
- 37x - 44                    Then he files...  
                                 and files, and files...
- 50x - 56x                    Now he takes a tool that only  
                                 goldsmiths use: a ring mandrel.
- 57 - 05 00x                He places the ring on that.
- 01 - 04x                    He has to round off the edges.
- 05 - 10                    First with a hammer. After all,  
                                 he is a *goldsmith*

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13 - 15x	Starting to look good.
19x - 21x	Now comes the precision work.
23 - 25x	First: file again.
30 - 33	Inside as well, with sandpaper.
38 - 42x	File once more. And sandpaper once again.
45x - 50x	Finally: polish to make the ring shine and sparkle.
55x - <b>06</b> 02x	Finished! A wonderful ring. <i>Wonder-ful?</i> Magic perhaps?

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03 - 5x                    Christoph has an idea...

09x - 16                 He puts on the ring...  
                              twists it... and...

18 - 20x                 Yes, it really is a magic ring!

21x End