



Filed work:

## PRESENTATION OF GOOD PRACTICE: BRONZE GARDENING TOOLS

Where: Volčji potok, 31. 3. 2015

Who: Tomaž Kvasnik in Tina

What: demonstration with additional questions, for video presentation

Material: 0:25:31 nonedited video

VIDEO (transcription of audio recording on video):

I am Tomaž Kvasnik and I'm the owner of the company »Osti jarej«, where we are dealing with the development, research and production of bronze garden tools. The company is active five years, three years intensive. The production of garden tools itself is quite difficult because absolutely all the technology and knowledge and understanding about what causes and how it works in plants and soil, were lost. So recently somehow we are reviving and bringing back to people information and knowledge about the useful properties of the copper alloy. Only where the tool is made from a copper alloy, it is bronze of 94% copper, in some cases even less. Copper itself increases the intensity of the alloy several times, we obtain the strength comparable to steel. Such a tool is useful in the long term and is very durable. For this reason, because such material lasts long, we offer lifelong warranty. And if this tool would be buried in the ground, can be over 10,000 years, and dug out it would obtain exactly the same properties and you could work with it. There are other characteristics that we started to develop a bronze tool. It has a very positive effect on the plant and the ground. The ground can be revitalised and deacidified, stop development of molds harmful to plants. We make a lot of benefits to the ground and their inhabitants. It is also a fact that with such a tool it is easier to do on earth. Friction is 30% smaller and less effort is needed. Nonmagnetic property of the bronze gives to soil characteristics which are important when using agrohomoepathy and biodinamics, homeopathic globules should not be used on a metal spoon, because the loss of substance. The use of such tools preserves the full potential of agrohomoepathic preparations.

0:3:01

How did you select the tools that you have prepared in bronze?

In Slovenia, as each village has its voice they also have tools of their own .. everyone has their own favorite tool they use, and which is usually. Our pick were the most frequently used tools. In my hands I hold a hoe with embedded directed edges with which is the most effective for hoeing and useful for all kinds of purposes. There are a lot of different forms. Each hoe has different intended purpose. Also the material for the tool is important. The same things which were used to be produced of iron we adjusted to be in bronze. Above all, it is a utility. The bronze is difficult because of the higher density and its mass is increased so that it is necessary on account of hinges shape and size of the tools need to be adjusted. Above all, we have chosen the forms that are universally used as planting a wedge, small hoe with small prongs, which in Gorenjska region is named »kopuljica« and foremost we collected forms used long ago that have over the years proven themselves and have shown useful. Many are tools were designed according to models from the ethnological museums, what people once used. Sometimes the tools are the thing that is inherited through the generations and are worked out in order to refrain the time. Then the thing so elaborate that tool remains optimal. Pursuant to this, we also made planting wedge small hoe and three-toed formed by old principles and incorporated new basic shape with proportions of the golden ratio. Golden ratio is a very important factor in all that we do, be it architecture, painting be it a work plan



and planning tools alone. Here are the proportions width to the height of the tool itself, the very height of the bracket against the width of the handle and the entire tool into account. In this way, we get the frequency that resonates with the nature. Just as each leaf, each tree grows naturally in the proportions of the golden ratio and even if the plate of bronze is made in form of the, and struck by it, to get the frequency that resonates with all natural sounds. Birdsong, wind swept the treetops, which are conjoined to form the golden ratio and the hoe is tuned to this sound, which is rated at 432 Hertz, this frequency is produced by the earth when circulating around the sun and seismic sound produced during turning the earths and we feel it as the change of seasons.

4: 16

Who are these tools for?

These tools are intended for general use, anyone who is mainly used tool .... NE

These tools are designed for anyone who wants to enter in his garden, his field on his estate Substance way of working, which will facilitate the work, which will contribute the sustainable way of farming gardening ... only bronze has antiseptic and antimycotic activity and thus avoid the conventional formulation and mode labor (CUT) 0:45

(Especially we are doing the bits and upgrade agricultural machinery, which is basically ...

This tool is intended for use as Siris each in its own garden wishes to make as many as less artificial preparations to ...

Our tool or bronze intended for anyone wishing to garden sustainable ...

This tool ... ..

this tool

Get rid of snails

This tool is intended for everyone. who wants to find a sustainable way on earth who wants to stop pathogenic organisms and molds in the soil. In this way, we can avoid the worm. You can regenerate soil and deacidify it ..)101/117

0:29 Above all, we deal with development and upgrading of agricultural machinery. Thus, in addition to harrow we plate plows in the bronze alloy. In this way, we can make all the well-being of a larger area. By reducing the resistance of bronze itself, which is 30% smaller as in steel, we consequently reduce the consumption of fuel in the actual agricultural machines. 1:10

Od 0.28 do :1:11

103/117

Good afternoon, my name is Tina and I will present our innovation small weeding tool »Ljubica«. It is made in the form of a heart with the intention of weeding plants. You will notice that I hold it with wit my left hand. Because weeding tool has cutting edge on both sides of the knife it is suitable for both left and right handed. It could do so, it may be because of its heart-shaped perfectly approaching the plants and weeds. The earth ventilated and all the weeds removed. And as you can see the result is efficient and very good 0:37 (0:50 glas tomaža...)

1:00

104/117

106/117

0:03 naprej do 0:23

The weeding tool is simply used like this...



Dodaj 103 od 0:37 naprej...  
107/117

This tool is a tool of our grandparents and of our ancestors. Called »pralca«, it looks like a small sickle yet designed for weeding crops. It is basically easy to get weeds among the buckwheat, millet and even strawberries. And in fact, this is our example of revival of old tools in the new era.

109/177 from O: 01 it's the hoe »Kurent«. This is the first tool to be used in the spring in the garden. With the vent or hoeing earth without just substrate is reversed and stifle microorganisms that are at the surface of the earth and to be exposed to air or light organisms in their own land. It is designed so that it can be very quickly and efficiently used. It is also intended for weeding, because it pulls things that are deeply rooted out of the earth. Above all, it is distinguished by ease of use at the site where digging with this tool. The name »Kurent« represents a god of fertility and spring dance, but can also be very simple hoe garden. Since the lower teeth are curved in the right side, the tool is adjusted only on the ground, which are turned to the right side, and as the screw is rotated in the ground. The next step is to pull it out and in this way you completely ventilate the ground.

110/117

111/117

Do 0:10 The use of »Pralca« (if necessary)

112-113/117 This is our "beautiful Vida "(Innovative names) and is a populargardening tool in our region. When we go around we meet othe names for it, Gorenjska is "kopuljca", "krempljica" and wide diversity of naming the same tool. (No ??)114/117

Presentation of tools:

0:55 do 1:07 zoom in

0:43 do 0:54 zoom out

115/117

General view (on the beginning an at the end) do 0:09 ...

116/117 to je bronasti srp Miroslav. narejen po starih oblikah zeliščnih srpov za pobiranje raznoraznih posevkov.  
0:14 CUT

117/117

This is a herb sickle "Miroslav"for collecting crops and herbs. 0:05 The advantage of this is that when you cut the plant withbronze tool the cut is not oxidized. Allocated copper traces which prevent the reproduction and development of pathogenic micro-organisms, which prevents the premature rotting of particular advantage is also that the plant itself does not oxidize and minerals remain intact and essential oils. 0:37 to 0:45 released on ... until the end ... 0:59!