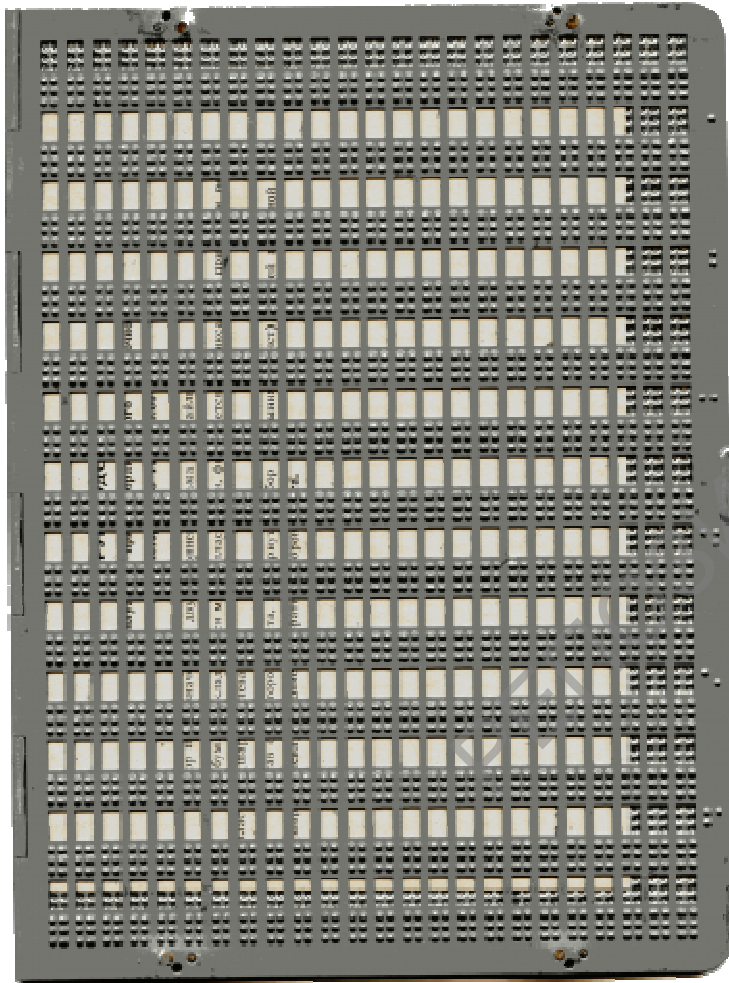


# Tiflotekhnika in training of children with visual impairments



*Teacher of department of typhlopedagogy  
Parshonok E.V.*

## Device for writing on Braille, 27 lines

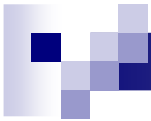


A device is intended for the record of texts by system of Braille on the standard sheet of format of A4. Consists of 27 lines, in each - for 30 cells.



A slate-pencil for a letter on Braille is intended for the record of texts by a relief-point type and is a sharp metallic bar with a plastic handle.

## Slate-pencil for a letter on Braille



## Block-letter Braille



Block-letter intended for educating of blind people to the system of Braille. By means of three movable elements on that relief points are placed, it is possible to make a letter or sign by system of Braille.

Material is a plastic  
Size of relief point - 3x1.5mm  
Distance between relief  
точками-10mm  
Overall sizes - 34x34x30mm

## Talking manual for self-tuition of the Braille type

A device is intended for educating or independent study of type of Braille. Information is given as speech reports through a built-in loud speaker. Six-point of Braille is executed in a megascopic scale as 6 round dispersers. Every disperser can be sunk, or to come forward on a 1 mm above the surface of facial panel of device. The symbols of Braille are set by means of pressure of different combinations of dispersers. After setting of symbol on short pressure on the starting button (button the haptic is distinguished well).

Two modes of pronouncing are envisaged:  
pronouncing of in letters symbols and signs of punctuation;  
pronouncing of digital symbols and mathematical signs.

Sizes of corps : a 13,5×6,5×2,3 cm

Size of шеститочия : a 3,5×2,0 cm

Material: plastic

Feed: 2 batteries of type of AA.



## DraftsMan - high-quality plane-table for drawing



DraftsMan helps to meet with an alphabet, numbers and other symbols, train the signature or even prepare a technological draft, maps etc. Work with DraftsMan develops creative flairs of user, adroitness and abstract imagination.

Sizes: 321x261x16 мм.

In a complete set: DraftsMan; 25 folias of paper; pins; set of plastic lines : protractor, 2 triangles; кейс for carrying from place to place.

## Talking calculator



A talking electronic calculator is intended for implementation of mathematical calculations. A compact calculator with a speech exit has support for pens or pencils.

Basic descriptions:

- to 8th digits on a display;
- pronouncing of the collected numbers, arithmetic operations and results of calculations by clear woman voice in Russian language;
- internal timers with the 12-sentinel format of time (represented on a display);
- built-in alarm clock;
- possibility of disconnecting of sound;
- feed: 2 batteries of type of AA.



## Calculator with the large buttons



Calculator 12-bit настольный with the large contrasting buttons.  
Comfortable for people with weak sight.

## Display of Braille



The portable display of Braille is united in itself by flexibility and functionality in the use. Good is connected by means of USB- of cable to PC, notebooks.

Has a speech conclusion and 40-cellular renewed display of Braille. The construction of display provides the comfortable use: a navigation is organized through the casters located for the left and right side of display, also there is an overhead row of the buttons of user facilities.

All tuning of display is easily accessible through hotkeys. A device can be synchronized with the program of reading of screen.



## Typewriter of Perkins Brailier



A typewriter of Perkins is the most widespread in the world mechanical means for writing of texts on Braille. She was worked out as early as 1951 at School of Perkins for the blind.

Basic descriptions: It is a device with hand control for educating to Braille and writing of Braille texts. Provides the spatial orientation of text and formatting of printing to the page. High durability. The field terminators can be moved to the right and to the left depending on the format of sheet. The round handles of the prolonged mechanism facilitate priming and delivery of sheet. Metallic pen for carrying from place to place. Maximal sizes of paper : 29,21\*35,56 cm.

## Electronic typewriter Perkins SMART Brailer



ELT of Perkins SMART Brailer will do educating to the letter on Braille easy and enthralling! Combination of conclusion of information on a display with an audiofeed-back converts educating into an interesting game. A sliding dinner-wagon on the back-end of typewriter will help with lightness to read the already printed text, and possibility to wipe a symbol - to correct errors. USB- port allows to save and edit files in a text format on an external carrier. The presence of built-in memory in a device helps to keep necessary files in near availability.

## Printer of Braille ViewPlus® Emprint



Universal printer, combining printing the relief-point type of Braille and the coloured printing. The printed documents are visually identical printed to the ink-jet printer, and haptic - possess relief and contain Braille text.

Basic descriptions:

Creates the tactile coloured pictures and diagrams.

Prints relief text and mathematical signs.

Braille translates and prints.

## Device for printing of haptic graphic arts PIAF



A device for printing of haptic graphic arts of Piaf will allow to create you and print tangible by touch pictures to the paper. Principle of action of device consists of the following: Piaf heats a paper and image becomes protuberant. This device provides possibility to obtain information by an accessible for them method to the cecutient and blind users. Piaf mostly used for creation of haptic diagrams, maps, images. A device for printing of haptic graphic arts is equipped by temperature-control with possibility of the hand tuning.

# Tiflotekhnika in training of children with visual impairments



*Teacher of department of typhlopedagogy  
Parshonok E.V.*