Analysis of sale market of cartographic production showed, that demand for reproductions of ancient maps and atlases increased at last time. In presented report technology of reproduction of ancient atlas “Drawing book of Siberia” is explained. Ancient maps and drawings demanding fax reproduction (that is to say, maximal possible accuracy of transmission of background and hachure elements and accuracy of transmission of material’s texture) are most complicated for reproduction. As rule, these maps have got yellowed margins and great black and colour hachure load. Colours of these maps do not lie in colour spread of existing set of color usually. Reproduction is complicated by presence of technical defects and cracks. That is why we need to define necessary degree of accuracy of reproduction at first of all. We should define, if usual set of color is sufficient or it is necessary to use some additional colours. We must also take into consideration subsequent technologic process, quality features of the paper and the paints. We fulfilled complete analysis of presented original. Analysis includes appraising of original’s condition and picture’s condition with usage of the devices of technical control. The next stage is measuring of colour characteristics of the original. I give review of scanning systems fit for executing of such work in this report. Analysis of tablet and drum scanners form various producers is given. Separate part of report is dedicated to alterations of geometric characteristics by scanning of the originals of low density, recommendations and formulas for counting of geometric errors are given. Particular attention is paid to problems of color separation and color correction, recommendations for setting and regulating of gradational characteristics. Proposed technology of reproduction of the ancient maps and atlases differ from traditional technologies, but it lets to receive copies most approximate to originals.