

TEXT DETECTION FOR SEGMENTATION-FREE WORDSPOTTING

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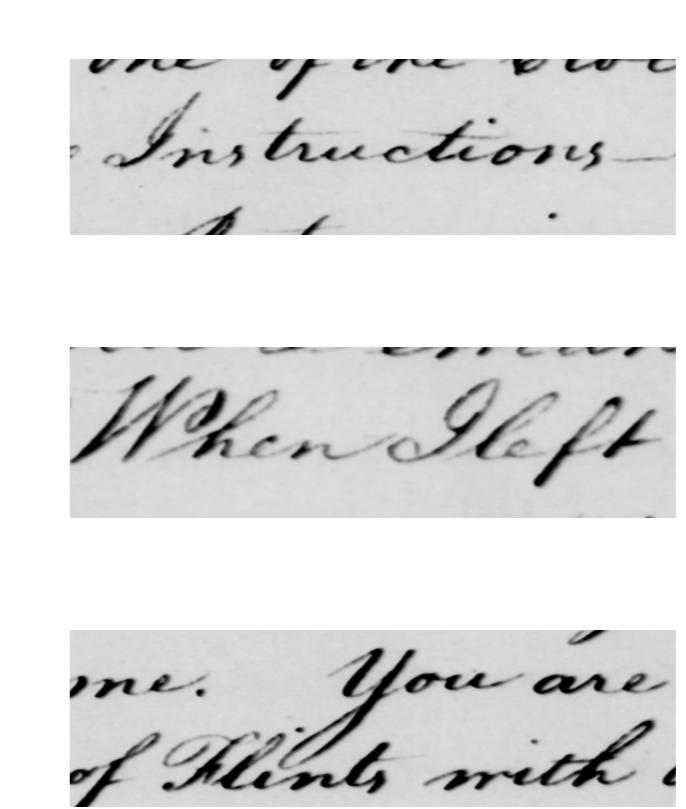
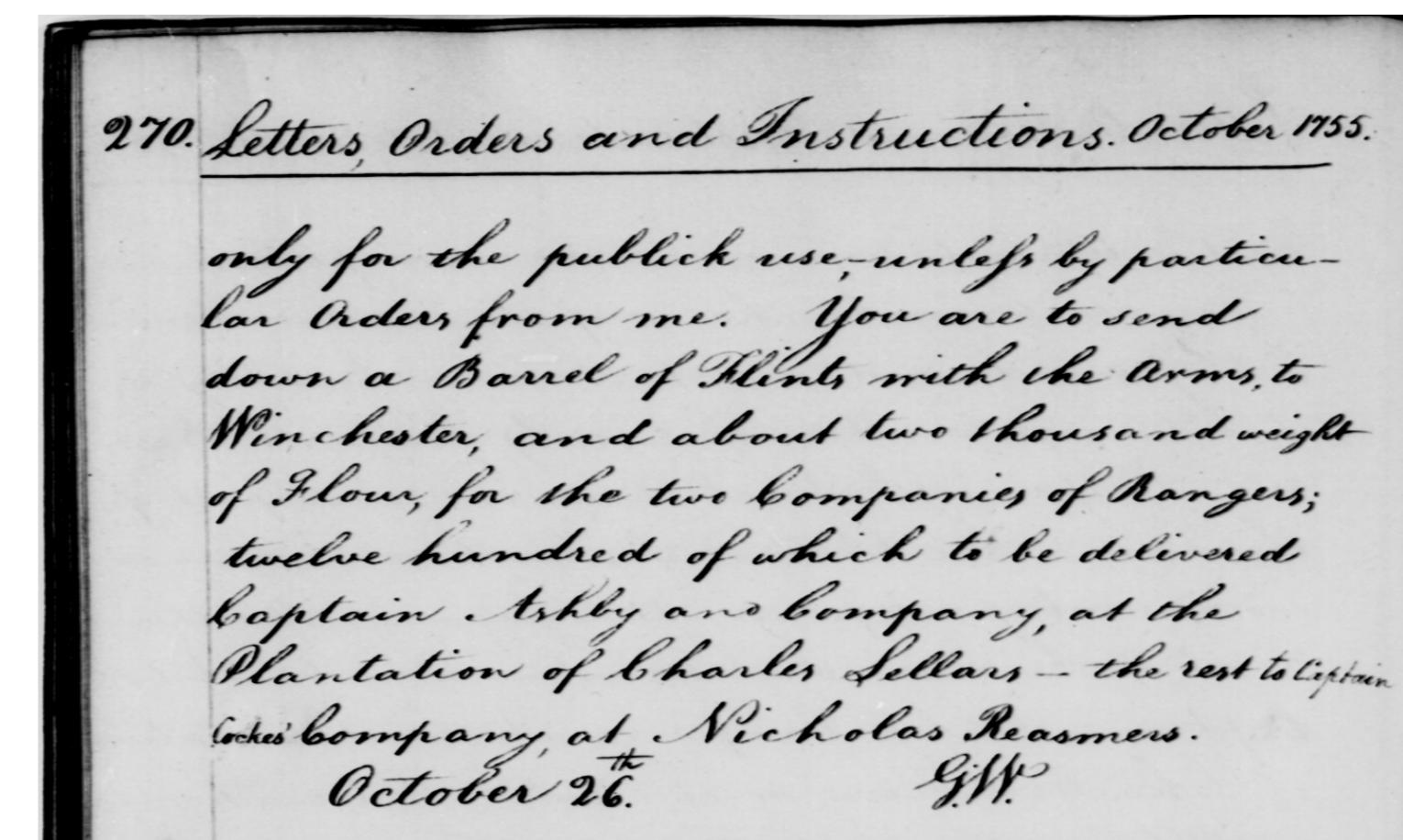
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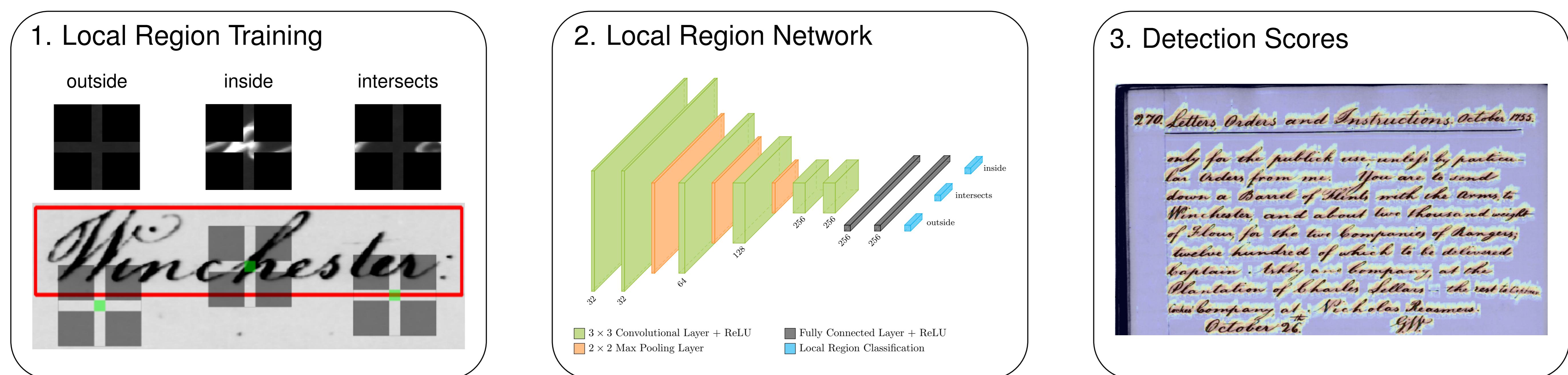
Abstract

The generation of word hypotheses for segmentation-free word spotting on document level is usually subject to heuristic expert design. This involves strong assumptions about the visual appearance of text in the document images. The local region classifier generates detection scores, which are processed by a extremal region approach to generate hypotheses. Afterwards the Query is matched with the most similar hypotheses classified by the PHOCNet [1].

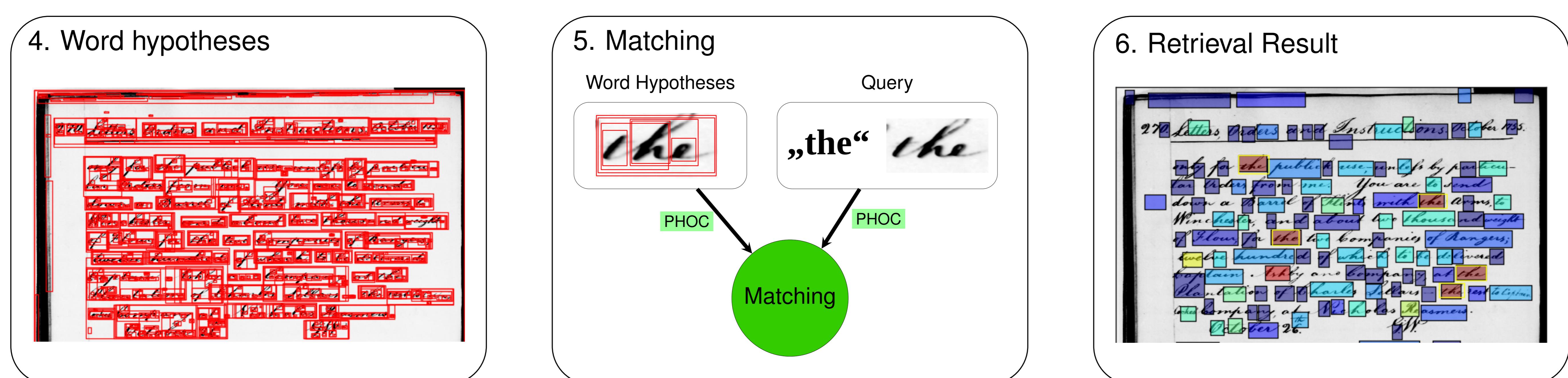
Historical Documents



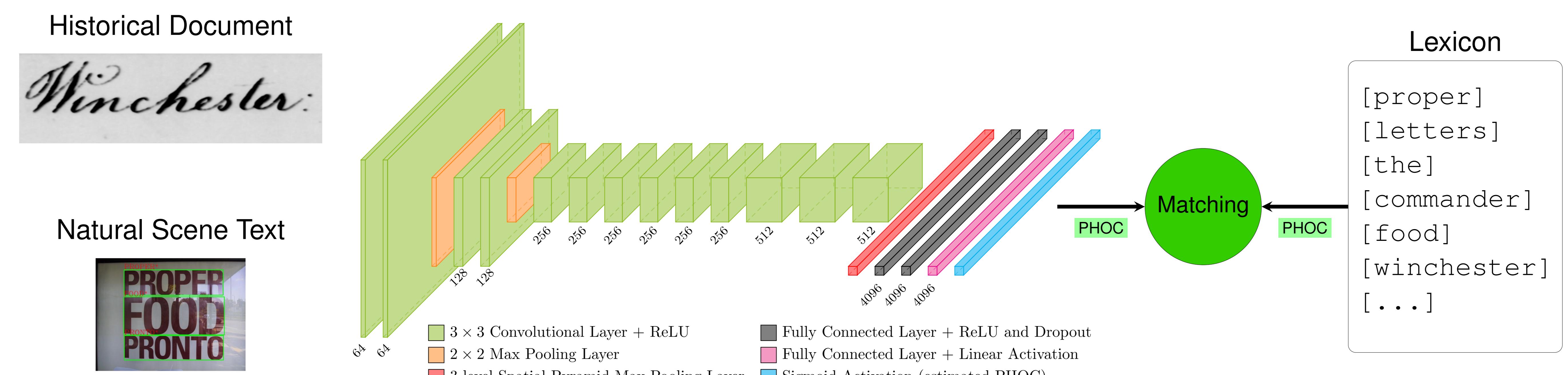
Method



System Context



Future Research



References

- [1] L. Rothacker, S. Sudholt, E. Rusakov, M. Kasperidus and G. A. Fink, "Word Hypotheses for Segmentation-free Word Spotting in Historic Document Images", in *Document Analysis and Recognition (ICDAR)*, 2017
- [2] S. Sudholt and G. A. Fink, "PHOCNet: A Deep Convolutional Neural Network for Word Spotting in Handwritten Documents", in *International Conference on Frontiers in Handwriting Recognition*, 2016, pp. 277-282