Lucien Tesnière (1893-1954), a French Linguist, is considered to be the father of Dependency grammars. Many central concepts the modern Linguistics uses were presented and developed in the *Elements de syntaxe structurale* (Elements of Structural Syntax). Recently this book was translated into English, and thus the original work became accessible. In this talk, I would present Tesnière’s main contribution towards the development of various concepts such as valency, dependence, arguments (actants) and adjuncts (circumstants), the language typology in terms of centripetal and centrifugal structures, stemmas, real and virtual stemmas, the concept of hierarchy in dependency structure, the verb centrality, node of nodes, the treatment of conjunctions, and finally the important concept of transfer explaining the variance divergences in the translation process. I would also compare the treatment of Tesnière and Pāṇinian school, and highlight the similarities and differences between the two.