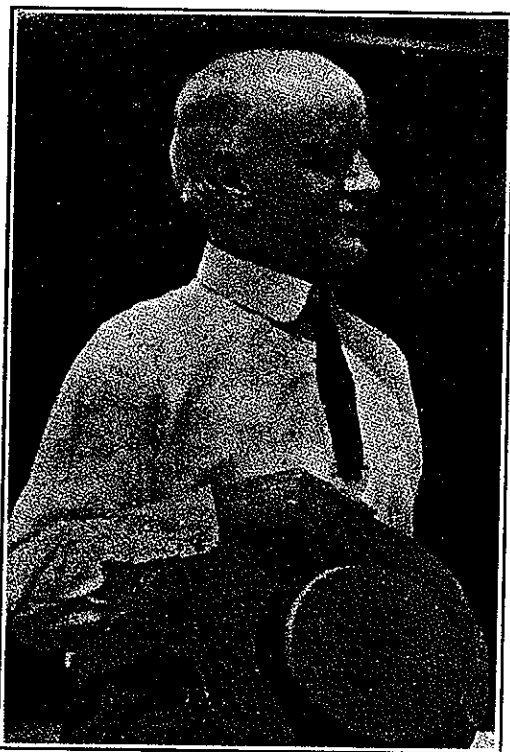


## HARGREAVES KIPPAX



Robert Kippax and his wife, Mary Hargreaves, came to Canada from near Colne, in Lancashire, England, and settled near Brantford, Canada West. Their eldest child, Hargreaves, was born in England on July 21st, 1845. They had three additional sons.

John, born Nov. 5th, 1849, who graduated in Medicine, and practised in Chicago. For some years he was President of the Homeopathic College, and wrote several works on medicine, also on astronomy. He died on June 27th, 1922, without children.

George, the third son, was born on August 12th, 1853. He had two children, one of whom, Jessie C., married Mr. Stedman, now living in Brantford. Helen, another daughter of George, unmarried, is also living in Brantford.

Alfred, the youngest son, died when a young man about 1882.

Hargreaves Kippax qualified as a Provincial Land Surveyor on July 7th, 1877. For a time he was engaged on the proposed railway line between Toronto and North Bay—afterwards a part of the G.T.R., now a part of the Canadian National Railway System. He was later employed on the G.T.R. line between Sarnia and Toronto and on the Chicago and Grand Trunk.

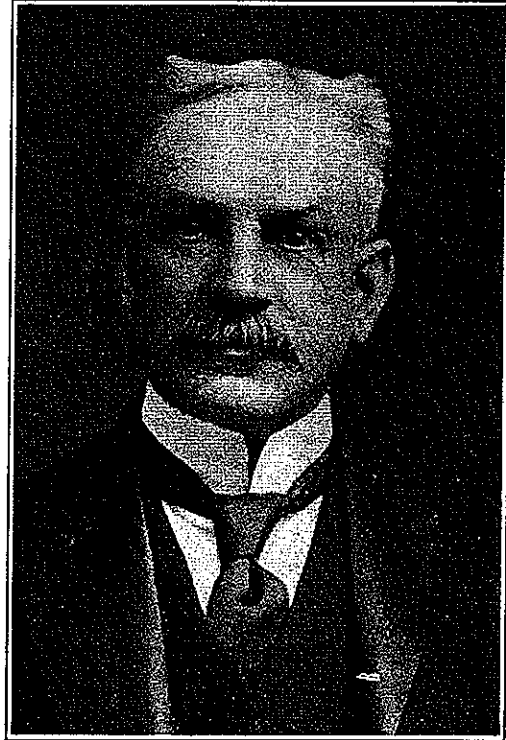
In the Report of the Association of Ontario Land Surveyors for 1893, his name first appears in the list of members, and his address is given as Huron, South Dakota. He accepted a position as chief draughtsman to the Surveyor-General of

South Dakota in 1881, where he remained until he received an appointment with the Department of the Interior, Washington, D.C., which position he held until his death, which occurred on April 30th, 1922.

Hargreaves Kippax married Miss Hulda Miller, who was born on January 3rd, 1862. She is now living at Long Beach, California. They had no children.

**CHARLES ALBERT BIGGER**

“On the afternoon of Friday, Nov. 9th, 1923, in his office at the Geodetic Survey Building at Ottawa, Mr. Chas. A. Bigger, the Assistant Superintendent of the Survey, suddenly passed away. Mr. Bigger, up to the very moment of his death, was actively engaged in the work of the Survey, and apparently in fair health. A year or so ago he had suffered a severe illness, but he had regained much of his former vigor, and his friends looked for many years of usefulness in his chosen profession.”



His paternal grandfather was a U.E. Loyalist. His father, James Smith Bigger, was born Oct. 27th, 1816, died May 12th, 1893. His mother, Amelia Kenny, was born March 1st, 1820, died May 12th, 1903. Charles Albert was born near Paris, Ontario, on Aug. 15th, 1853. He obtained his primary education at the Public School in his native town, and at the Normal School, Toronto. He also attended