

**Charles Eisler, 89, Holder
Of Patents for Glass Items**

Special to The New York Times

EAST ORANGE, Oct. 10 — Charles Eisler, president of the Eisler Engineering Company, which he founded in Newark 53 years ago, died Monday at his home here. His age was 89.

Mr. Eisler was a pioneer in the design and manufacture of glass vacuum lamps, radio tubes and pharmaceutical glassware such as thermometers. He held more than 50 patents for the mass production of glass articles that had been made solely by hand. He was the author of a technical textbook, "Million Dollar Bend," that described a lamp-making process he had perfected.

Surviving are his son, Charles Jr.; three daughters, Mrs. Martha Leff, Mrs. Ruth Forrest and Mrs. Constance Smith; a brother, Louis, 12 grandchildren and 9 great-grandchildren.

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