

OBITUARY NOTICES.

WE record with very great regret the death of two members of outstanding reputation in the silica and glass industries :

JAMES FRANCIS BOTTOMLEY, PH.D.

Dr. Bottomley was one of the early members of the Society, having been elected in June, 1917. He is best known for his work in the development of the fused silica ware industries in connection with which his researches began twenty years ago. It was from these researches that the electrically fused silica glass, best known under the trade term of "vitreosil," was developed, and is nowadays being used for many different types of vessel, large and small, in which freedom from corrosion by acids is its main feature. In several ways this silica ware, through Dr. Bottomley's efforts, is becoming a rival to glass, one of the newest developments being its use for manufacturing incandescent globes and chimneys for gas lighting purposes.

Dr. Bottomley was Managing Director of the Thermal Syndicate, Ltd., at Wallsend-on-Tyne, and was the Director also of a number of other technical companies.

MAJOR AUGUSTUS H. HEISEY.

Major A. H. Heisey, of the firm of Messrs. A. H. Heisey & Co., Newark, Ohio, was a prominent figure in the glass industry of the United States and was by no means unknown to members of the industry in this country. The writer recalls with much pleasure a visit paid, in company with another member of the Council, to Newark in 1919. Major Heisey was then actively engaged in business, despite his seventy-seven years, and he looked as physically fit as many men ten to fifteen years his junior.

The following information is taken from the *Newark Advocate* of February 14th, 1922 :

Major Heisey at the time of his death was seventy-nine years of age. His military service covered practically the whole of the Civil War, in which he rose from the rank of Private to Major, was wounded at the battle of Gettysburg, 1863, and was cited in orders

for his gallantry in action. Except for short periods, practically his life had been spent in the glass industry, being engaged in succession with the King Glass Co. of Pittsburgh, the Ripley Glass Co. of Pittsburgh, and the George Duncan & Sons Glass Co., Pittsburgh, up to 1889. His own glass business now so well-known throughout the States was founded in 1895. In addition to his activities as a glass manufacturer he was for thirty years President of the Pittsburgh Clay Pot Co., President of the American Protective Tariff League, and served also as Director, and in some cases as founder, of a number of other undertakings. He gave constantly and generously to philanthropic undertakings.