REPORTS on the registration of improved cotton varieties were published in this Journal in December, 1936, and in January, 1940. An application for the registration of Bobshaw cotton was received in July, 1941, but due to the fact that the registration was to be based largely on fiber quality the Cotton Sub-committee felt that it should make a careful study of the fiber qualities of this cotton before approval of its registration. Results from additional studies made by the Committee substantiated claims made by the applicant so the application was approved, the variety to be known as Bobshaw and given registration No. 36. Below is a brief history and description of the variety.

BOBSHAW, REG. NO. 36

Bobshaw, formerly known as Stoneville A-64-7, originated from a plant selection made at Heathman, Miss., in 1936 by John W. Oakley, cotton breeder for the Robertshaw Company, Heathman, Miss., in a field of Stoneville cotton. Following the selection, the strain was tested by the breeder and by experiment stations in several states for 5 years. Experiment station tests showed that the proposed new variety ranked high in production and fiber analyses showed superior fiber qualities. The tensile strength ranged from 840 to 864 units (Pressley machine); fineness, 2,500 to 2,800 units (Hertel machine); and uniformity, 83 to 86 (Hertel machine).

Under average growing conditions, the plants are 3 to 4 feet tall, symmetrical, and moderately open. There are from one to three small vegetative branches and numerous, well-developed, well-distributed fruiting branches. Stems are slightly pubescent; leaves medium sized, medium dark green, and slightly pubescent. Flowers are medium sized and pale cream to white in color; bolls are medium sized, ovate, short pointed, 70 to 85 per pound of seed cotton; staple length 1 to 1 3/8 inches; lint percentage 35 to 38. Seeds are moderately small, fuzzy, and light gray in color; seed index, 11.1 grams for 100 seeds. Wilt resistance is but medium. It is a medium early cotton with fluffy, open bolls that pick well.

1Registered under a cooperative agreement between the Bureau of Plant Industry, U. S. Dept. of Agriculture, and the American Society of Agronomy. Received for publication December 14, 1942.

2Agronomist, Louisiana Agricultural Experiment Station, Baton Rouge, La., and a member of the 1942 Committee on Varietal Standardization and Registration, charged with the registration of cotton varieties.