

Know Your Plant. . . .

Quality Control Tests and Inspects To Uphold High Production Standards

A crew of 50 people including inspectors, testing clerks, trouble shooters, and strobotac operators are the guardians of quality at Firestone Textiles. They work in the Quality Control Department under the direction of Quality Control Manager Clyde Moss.

This department has a double function: (1) To test materials in the laboratory, and (2) to inspect materials as they are being produced within the plant. These jobs are sufficiently large and important to require the assistance of five supervisors in addition to Mr. Moss. They are: Sam Honeycutt, Carl Guffey, Charlie Hipps, Alvin Riley, and Miss Leona Dameron.

Before cotton, for example, is entered into the production channels, its fibers are tested in the laboratory for tensile strength and fineness. Extremely sensitive instruments are used to determine these factors, and to record permanently their findings.

After the cotton goes into production samples are taken at each step and tested as follows:

- Picker laps—tested for evenness and weight per yard.
- Card sliver—tested for evenness and weight per yard.
- Roving—tested for hank size, evenness and twist.
- Yarn—tested for breaking strength, yarn size, twist, evenness, and general appearance.

Inspectors take over at the Warping and Twisting stages and make on the spot checks for imperfect work.

Synthetic fibers enter production at Firestone Textiles in the Twisting Department. From that point on through Weaving these fibers in the forms of cable cord and cord fabric are subjected to the same sort of rigid control through testing that cotton receives. Weaving samples, both synthetic cord fabric and cotton chafer fabric, are tested for strength, stretch, weight per yard, thread count, gauge, and moisture regain.

In addition to the routine functions of testing and inspecting the Quality Control Department has over-all responsibility for the quality of the product that leaves the plant. That is to say that they must see that it measures up to an established standard in all respects. Other important assignments for this department are: (1) product development, (2) Improved methods development, (3) Improved machinery design.

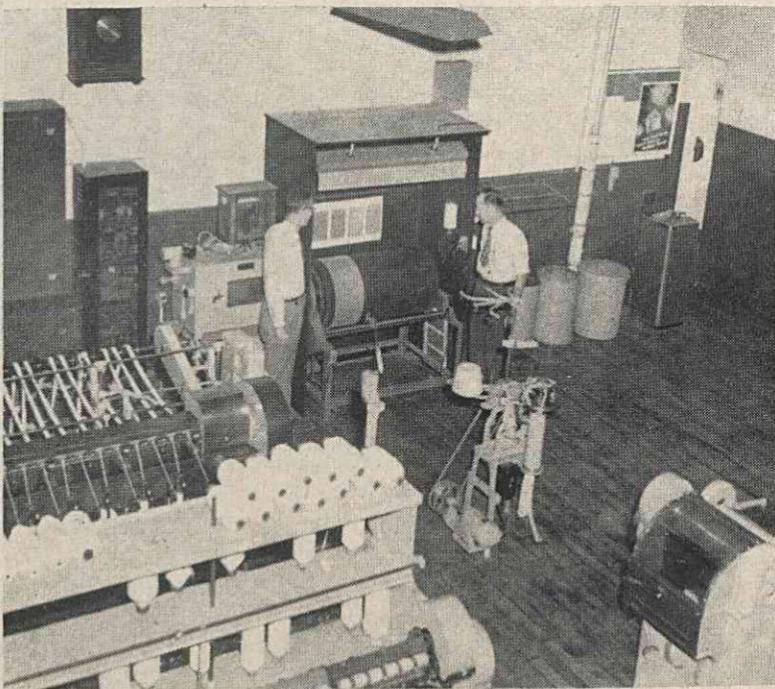
From a very practical viewpoint QC's job is to detect potential trouble and forestall it, by making remedies before quality standards are affected.

Girl Basketballers To Meet December 8

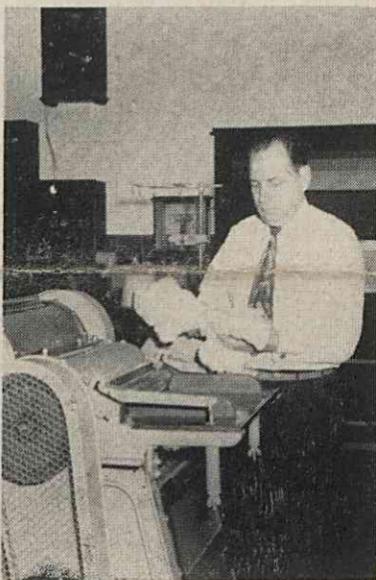
All girls who are interested in playing basketball this season with the Firestone Girls Basketball team are invited to meet in the Recreation Office at 5:00 p. m., December 8. This team will play in the Gaston County Girls Basketball League.

BINGO PARTY

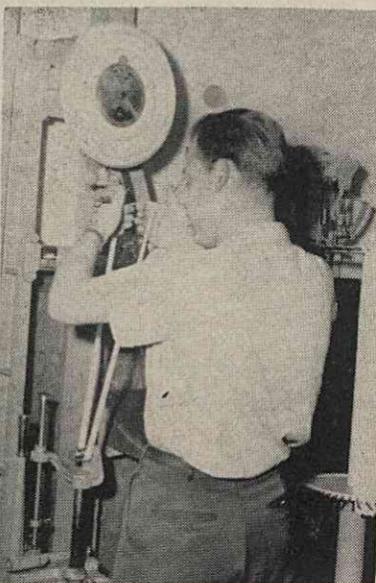
Thursday December 11
Second Shift 10:00 A. M.
First and Third Shift 7:00 P. M.



THE Quality Control Department operates a pilot plant, above, complete with abbreviated spinning, roving, and twisting frames. With this equipment samples of yarn can be produced to meet experimental specifications. In the background for men Sam Honeycutt, left, and Alvin Riley, right, look at the Yarn Standards Evaluator, a device that makes possible a comparison of a sample lot of yarn with specimens of yarn that meet United States Government Standards.



QUALITY Control Manager Clyde Moss stands beside the Shirley Analyzer—a machine that separates foreign matter from raw cotton.



JIMMY MOSS operates the Scott Skein Breaking Machine, testing skeins of yarn for tensile strength. The tensile or breaking strength of yarn is of paramount importance in the manufacture of tire fabric, inasmuch as the more uniformly strong the yarn in the fabric—other things being equal—the stronger the tire made from that fabric.



TESTING Clerk Vernon Brockman, above, checks a sample of roving on the Uster Evenness Tester to determine variations in roving size. As the roving goes through the machine a pen-and-ink recorder automatically draws a line on a chart to indicate variations. This recording mechanism is to the right of the tester in the picture.

News In Brief Continued From Page 3

CLOTH ROOM

Mrs. Margaret Davis, inspector, her husband, and daughter had a wonderful Thanksgiving with Mr. and Mrs. Lon Davis.

Emory Johnson, Cloth Room, and Mrs. Johnson had as guests recently, Mr. and Mrs. Bill Ayers and family from Charlotte.

COTTON DEPARTMENT

Mr. and Mrs. Frank Davis have returned from a three-weeks vacation trip which took them through Panama Canal and to California. They visited San Francisco and Los Angeles while in California and returned home by-way-of Dallas, Texas, where they visited their son, Frank Davis, Jr., and his wife. They reported a wonderful trip.

Bobby Smith of Clover, S. C. has accepted a position in the Cotton Department as secretary to Mr. Davis. He is a recent graduate of the University of South Carolina. This department welcomes Bobby to his new position and hopes that he will enjoy his work.

SHOP

Gear Machine Operator Jerry Howie and Mrs. Howie announce the birth of a son, Jerry Michael, on November 16 at Mercy Hospital in Charlotte.

Painter Roy Chastain and Mrs. Chastain, respooler, announce the birth of a daughter, Judy Carolyn, at Gaston Memorial Hospital.

S/A Robert Ward, former em-

ployee of the Shop, was home recently on a ten day leave and also was a visitor to the Shop on November 24. He will report back to San Diego, Calif.

Dewitt Jenkins has resigned his job as carpenter foreman to accept work in Virginia.

MAIN OFFICE

Miss Betty Moss, main office, and Miss Frances Smith, daughter of John Smith, laboratory, spent Sunday, November 16 in Florence, S. C. visiting Rev. and Mrs. R. M. Fisher. Mrs. Fisher is the former Miss Dixie Ruth Hawkins of Gastonia. Rev. Fisher is Chaplain of the South Carolina Industrial School for Boys.

Mr. J. V. Darwin, main office, and Mrs. Darwin returned to Gastonia November 21 from a trip to Bermuda. Mr. Darwin with members of "The Carded Yarn Association" and "The Southern Combed Yarn Spinners", held their annual convention with the cruise on the Ocean Monarch. The group traveled by automobile to Norfolk, Va., Friday, November 14, sailed from Norfolk, Saturday, November 15, and arrived in Bermuda, Monday, November 17. The Ocean Monarch was used as hotel facilities while the group enjoyed two days of sightseeing and shopping. Leaving Bermuda, Wednesday, November 19, the ship docked at Norfolk, November 21. The business sessions of the convention were held on board ship on the return trip. The Darwins report a delightful trip.

Standings Continued From Page 2

Girls Bowling League			
Team	W	L	Pct.
Main Office	7	2	.778
Spooling	7	2	.778
Spinning-Gen.	3	6	.333
Weaving-Twisting	1	8	.111

(Games thru Nov. 22)

SCHEDULES

SECOND SHIFT BILLIARD
Mon., Dec. 8, Weaving-Carding
Fri., Dec. 12, Twisting-Spinning
Mon., Dec. 15, Weaving-Spinning
Fri., Dec. 19, Carding-Twisting

GIRLS BOWLING LEAGUE
Tues., Dec. 9, Main Office vs Spinning-General
Thurs., Dec. 11, Weaving-Twisting vs Spooling
Tues., Dec. 16, Weaving-Twisting vs Main Office
Thurs., Dec. 18, Spinning-General vs Spooling

FIRST SHIFT BILLIARD
Mon., Dec. 8, Spinning vs Weaving-Shop
Tues., Dec. 9, Twisting vs General
Mon., Dec. 15, Twisting vs Weaving-Shop
Tues., Dec. 16, Spinning vs General

FIRST SHIFT DUCK PINS
Mon., Dec. 8, Twisting vs Carding
Wed., Dec. 10, Spinning vs Weaving-Shop
Mon., Dec. 15, Spinning vs Carding
Wed., Dec. 17, Twisting vs Weaving-Shop

AMERICAN BOWLING LEAGUE
Thurs., Dec. 11, Firestone vs Yankees
Thurs., Dec. 18, Firestone vs Knox Sandwich
8:00 P. M.

LADIES PIONEER BOWLING LEAGUE
Wed., Dec. 10, Firestone vs Cohens
Wed., Dec. 17, Firestone vs Thread Rebels
6:00 P. M.

LITTLE LEAGUE BOWLING
Sat., Dec. 13, Firestone vs Red Shield

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