



Cutaway view of the Lukenweld packaged process cottonseed oil extraction plant

Packaged Plants for Solvent Extraction of Cottonseed Oil

A new development in cottonseed processing is the series of "package plants" for the solvent extraction of cottonseed oil. The plants are designed and engineered by the Lukenweld Division of the Lukens Steel Co. The designers claim that the process is cheaper than other oil extraction methods because it eliminates the costly prepressing operations.

The process is based on a filtration extraction system developed by the Southern Regional Research Laboratory of the US Department of Agriculture.

The Lukenweld solvent plant is made of standardized components, and is available with capacities from 75 to 150 tons, or larger. Lukenweld claims that their packaged plants reduce labor costs in oil extraction up to 75%, because of simplified operation which is continuous and automatic. **PE8**

Vibrating Feeder with Flexible Feed Rates

A vibrating solids feeder with a wide range of out put rate is being marketed by the Richardson Scale Co. The feeder can be regulated to deliver from 0.1 to 20 cubic feet of material a minute. It is designed to handle a wide range of solid materials including grain, feed, rock and other chemicals.

The feeder is powered by a 1/8 horsepower motor. The motor gives a vibration frequency of 1850 vibrations per minute, at maximum amplitude. The conveying rate is 50 feet per minute. Feed rate, controlled by a handle at the side of the machine, can be adjusted while the feeder is operating.

Normal angle of feed is 5 degrees downhill. Richardson claims that the feeder will deliver at an angle of 5 degrees uphill, with somewhat decreased output. **PE9**

LITERATURE AVAILABLE

Antioxidant. Technical bulletin gives advantages and applications of antioxidant to the dairy products industry, includes a bibliography of research in the field. CHERRY-BURRELL CORP. **L1**

Bag Closer. Brochure on a portable bag closer, which operates on 110 volt AC current and closes up to 200 bags per hour. DAVE FISCHBEIN CO. **L2**

Biochemical Catalog. Price list of special products for research includes biochemical and nutritional preparations. GENERAL BIOCHEMICALS INC. **L3**

Bulk Delivery Equipment. Bulletin outlines the advantages of bulk material transport, also pictures some bulk feed bodies which can be installed on various trucks. HIGHWAY EQUIPMENT INC. **L4**

Bulk Materials Handling. Bulletin describes a line of bulk storage bins with suspension discs which prevent bridging and packing of the stored product. THE DAY CO. **L5**

Chlordan. Technical bulletin, contains a table of pests controlled by chlordan and recommended concentrations of the insecticide for effective control. VELSICOL CORP. **L6**

Corrosion of Cement. Comprehensive chart shows resistance of 7 classes of corrosion resistant cement to 297 of the most generally used corrosive chemicals. PENNSYLVANIA SALT MANUFACTURING CO. **L7**

Dispersants. Technical bulletin gives characteristics and properties of a group of dispersants for deflocculation and dispersion of insoluble particles in aqueous media. MARATHON CORP. **L8**

Dust Filters. Bulletin presents performance characteristics, dimensions, and performance data on a line of air filters for industrial application. THE DAY CO. **L9**

Electric Heating Devices and Controls. Catalog describes a line of electric heating devices and controls for industrial, laboratory and processing op-

erations. WAAGE ELECTRIC INC. **L10**

Exhaust Fans. Features of a line of exhaust fans are described. Performance tables, characteristics and dimensions are given. THE DAY CO. **L11**

Household Insect Control. Technical bulletin recommends various methods of application chlordane for the control of different household insects. VELSICOL CORP. **L12**

Lawn Insects. Booklet describes the more common lawn insects and recommendations for control of these insects with chlordane. VELSICOL CORP. **L13**

Metal Detectors. Technical bulletin on an electronic metal detector which detects and culls out products which have been contaminated with metal particles. E. W. BRILMAYER LABORATORIES **L14**

Mosquito Control. Technical bulletin outlines the life history of the mosquito and the recommended practices for control of the mosquitoes with Heptachlor, a chlorinated hydrocarbon insecticide. VELSICOL CORP. **L15**

Pulverizer. Describes the principle of pulverization by air attrition and impact, with simultaneous classification. SCHUTZ-O'NEILL CO. **L16**

Sealing Ribbon. Technical data sheet featuring specifications application methods and test results on a new weather-proof, watertight, fabric reinforced sealing ribbon. MINNESOTA MINING AND MANUFACTURING CO. **L17**

Tubular Couplers. Catalog gives sizes, dimensions, unit weights and capacity of a line of tubular couplers. SNAP TITE, INC. **L18**

X-Ray School. Folder on X-Ray diffraction school, gives the history, schedule and names of lecturers for a week long school in X-ray diffraction. The folder contains a mailing card for those who wish to register for the course in the fall of 1953. NORTH AMERICAN PHILIPS CO. **L19**

FOR ADDITIONAL INFORMATION — CIRCLE DESIRED ITEMS, CLIP COUPON, AND MAIL TO

Readers' Information Service
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY
330 West 42nd St.
New York 36, N. Y.

July 22, 1953

New Products and Equipment 1 2 3 4 5 6 7 8 9

Literature 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
16 17 18 19

Name _____ Position _____

Company _____

Street _____

City _____ Zone _____ State _____

(PLEASE PRINT OR TYPE)