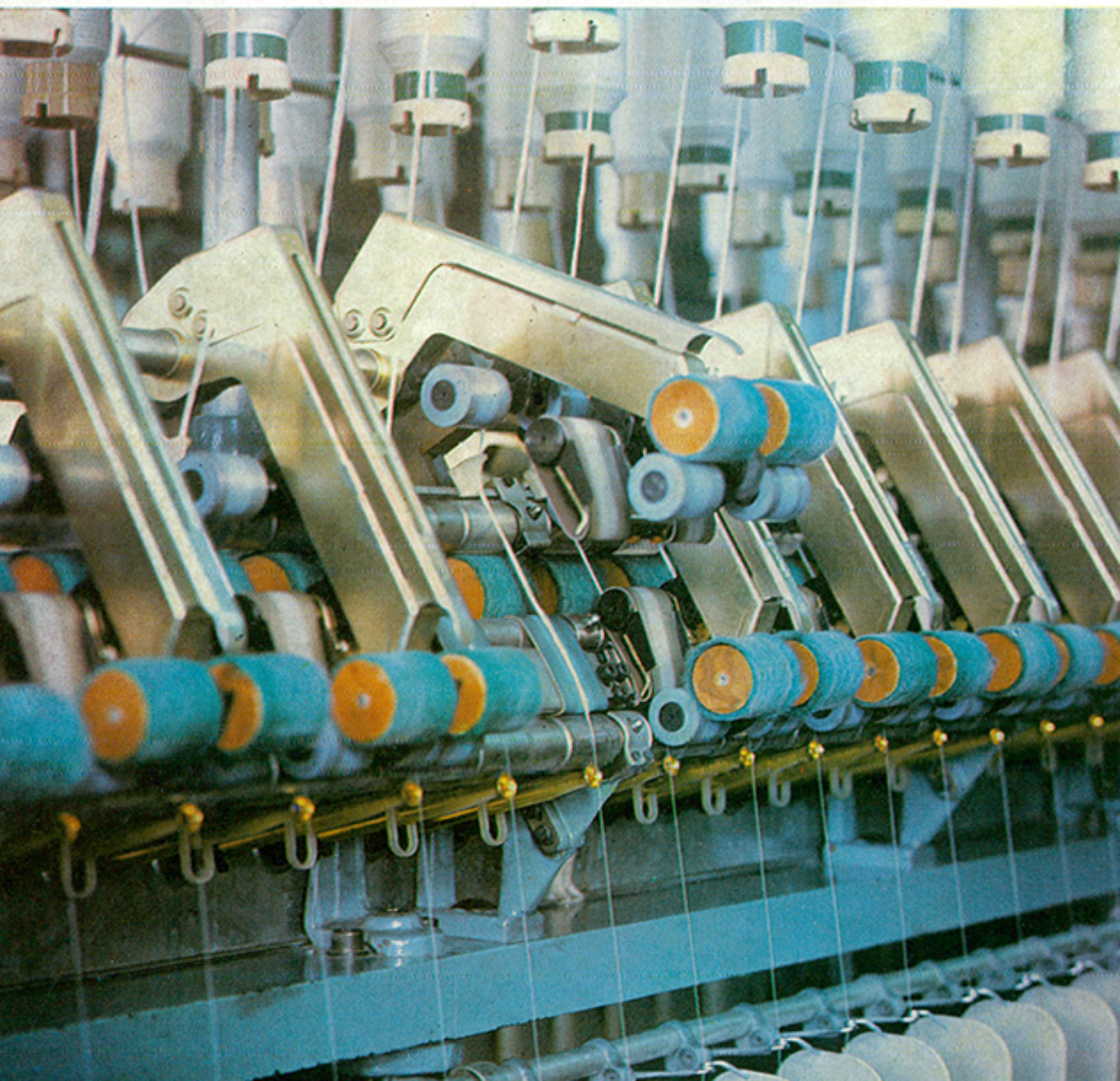




POLISH TECHNICAL REVIEW



8

72/1975



POLISH TECHNICAL REVIEW

PUBLISHERS OF TECHNICAL PERIODICALS FOR THE CENTRAL TECHNICAL ORGANIZATION (NOT)
00-950 Warsaw, Czackiego 3/5, P.O.B. 1004, Tel. 39.11.34. Issued in English, French and German

CONTENTS

TEXTILE MACHINERY

Standardization of finishing machine elements	2
Electronic equipment for consumer goods industry	3
Cotton ring spinning frames	6
Warping machine, type CL-4	7
Water-free processing of textiles	9

FOOD INDUSTRY

Sugar juice purification by coagulation	11
Decoloration of juice by means of granulated active carbon	13
Potato harvester	15

EQUIPMENT FOR GENERAL USE

Electronic equipment for general use	16
Sewing machines	17
Typewriters	19
Bicycles and mopeds	20
International Congresses in Poland	21
PATENTS	22
NEW BOOKS	22
ECONOMIC SURVEY	23
SCIENTIFIC AND TECHNICAL NEWS IN BRIEF	5, 10, 14, 15, 18

TEXTILE MACHINERY

The electronic equipment (page 3) finds wider and wider use in textile, leather and clothing industries. This equipment includes particularly the electrostatic charge neutralizers, detectors of metal inclusions, temperature programmers etc.

The WIFAMA Textile Machinery Factory has launched the new, modified cotton ring spinning frames, type PJ (page 6) highly automated, featuring higher speed of spindles, enabling to process the chemical fibres longer than cotton ones. The same factory manufactures also, to the licence of North-American firm Rockwell, the machines, type CL-4 for producing of knitted fabrics for outer wear (page 7).

EQUIPMENT FOR GENERAL USE

The production of sewing machines has a long tradition in Poland. New developments in this branch (page 17) cover the household straight-stitch and automatic sewing machines.

Standard and electrical typewriters manufactured in ten or so models according to the licence of Swedish firm FACIT feature a modern, light structure, very good functionality and aesthetic look.

All over the world the bicycles are increasingly popular among outdoor enthusiasts. The PREDOM-ROMET Factory of Bydgoszcz supply the market with new models (page 20) which meet the up-to-date trends and fashions.

FOOD INDUSTRY

Two articles by scientists of Łódź Technological University presents two original methods of processing raw juice. Stanisław Zagrodzki describes the coagulation method of juice purification which ensures full coagulation of colloids and precipitation of all so called non-harmful nonsugars. This method applied recently in Polish sugar factories increases the efficiency of juice purification more than 40% and the coefficient of purity by 0.6 of the unit.

Furthermore the thin juice colourification is reduced and the processing output of the sugar factories is increased. Helena Zaorska describes the decoloration of juice by means of activated carbon.

Editorial Board:

B. Dowejko, L. Drecki, S. Gruzewski (Chairman),
S. Katarzyński, F. Kubiczek, Z. Makomski,
C. Myczkowski, J. Niegowski, B. Perkowski,
A. Hanftwurel.

Editorial Staff:

A. Hanftwurel (Editor-in-chief), J. L. Toeplitz
(Assistant Editor), S. Hilscher, E. Karska,
Z. Schellenberg, A. Witkowski (Editors), S. Zalewski
(Editor of the English version)

Translations: P. Dytko, W. Iwiński, H. Stepień

Advertising Section: T. Pachnowski

Graphic Layout: F. Baracz

Technical Editor: A. Dziewulska

Subscription orders should be addressed to the "Ars Polona - Ruch",
00-950 Warsaw, P.O.B. 1001, Krakowskie Przedmieście 7 or to one of the
representatives of this firm abroad.

The annual subscription rate (12 issues) amounts to US \$12,- or the
equivalent in other currencies. In the socialist countries catalogue prices
of the local distribution centres apply.

Cover photo: Fragmentary view of the UT 600-200 expanding device with
pressing arms for the PJ36 cotton ring spinning frame.

Printing Office: Zakłady Typograficzne Łódź, zam. 295/75.

INDEX Nr. 37325/36925