

PRINTECH

A SERVICE JOURNAL IN PRINTING & PUBLISHING

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FEBRUARY 1960

No. 7

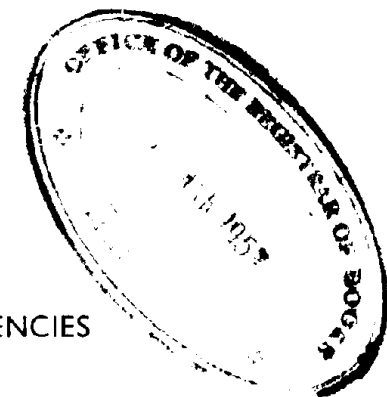
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Fifth State Awards for Excellence in Printing and Designing of Books and other Publications 1959

The State award for excellence in printing and designing of books and other publications were instituted by the Ministry of Information and Broadcasting of the Government of India in '55 in recognition of the rapid progress made by the printing industry and other graphic arts in India, and as a measure of encouragement for further improvement in technique and workmanship.

The first competition, held in November 1955, took into consideration production in different categories since Independence. Since then, the entries each year have been limited to the productions brought out in India during the 12 months ending 15th August of the year for which the Awards are made. Government's recognition of printing and designing has been widely welcomed by Printers, Advertisers, Advertising Agencies, Publishers etc.

Two sets of prizes are awarded in each category-one to the Printer and the other to the Publisher or Designer or Advertiser. For each category, there are three Prizes. The First and Second Prizes are the traditional 'tamra patrag, a copper plaque carrying the emblem of the State (Ashoka Lions) with the words "Satyameva Jayate", and the emblem

and embossed. The plaque also carries, in



Sri P. M. Antony, Secretary, Associated Printers Private Ltd., Madras receiving the award from President Rajendra Prasad.

FEBRUARY 1960

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Hindi, particulars of the Award, name of the of the State Awards, with the motto "Bahujana Hitaya Bahujana Sukhaya", both silver-plated winner and the category for which the Award



Sri S. S. Murthy, Prop. Murthy Publicity Service, Madras receiving the award.

is made. The Third Prize is a Certificate of Merit giving similar details.

This year President Rajendra Prasad distributed the State Awards for excellence in printing and designing at a special ceremony held on 21.12.'59.

Handing over the prizes to the representatives of 92 printing and designing establishments, chosen out 5,000 entrants from various parts of the country, he commended the advance made by the printing industry during the last few years, but deplored the absence of sufficient improvement in the production of text books.

The President suggested that the printers and publishers who were adjudged as best, and were given State awards, might be given precedence over others for purposes of undertaking the printing of text books.

The President sat by the side of Dr. B. V. Keskar, Union Minister for Information and Broadcasting, on the flood-lit dais of Vigyan Bhavan, the award winners, each wearing a multicoloured silk badge, signifying the occasion, occupying a row of chairs behind. Dr. Prasad greeted the award winners with folded hands, as they walked up to him for receiving the prizes.

Earlier, requesting the President to give away the awards, Dr. Keskar stressed the need for India keeping pace with other countries, of the world in the sphere of printing and publication of books.

An exhibition of prize-winning entries was also held on the occasion. ★

BOOK REVIEW

(Continued from Page 13)

Thirdly, Adsans has particularly plain, clear figures, possessing a high degree of 'unmistakability' essential when addresses, box numbers, prices, and telephone numbers appear so frequently. Linotype Adsans with Bold has been produced in close co-operation

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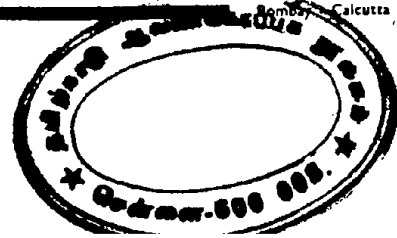
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PRINTECH

FIFTH STATE AWARDS

FOR EXCELLENCE
IN PRINTING AND DESIGNING
OF BOOKS AND OTHER PUBLICATIONS, 1959.

	Title of the Entry	Name of the Printer	Name of the Publisher
CATEGORY No. 1—Children's Books (for children below 10 years)			
First Prize	Tamil Alphabetical Book	M/s Associated Printers (Madras) (Madras) Private Limited, Madras	M/s Associated Printers (Madras) Private Ltd., Madras—Only one Prize.
Second Prize	Bichhu Bander Bachoo (Bengali)	M/s Art Union Printing Works Private Limited, Calcutta	M/s Art Union Printing Works Pvt. Ltd., Calcutta—Only one Prize
Certificate of Merit	(1) Hindi Akshra Bodhini (2) Manushyelo Kotha Hothe (Evolution of Man— Bengali)	M/s Associated Printers (Madras) Private Limited, Madras M/s Eagle Lithographing Co. Private Limited, Calcutta	M/s Associated Printers (Madras) Private Limited, Madras—Only one Prize. M/s Chandy Charan Das & Co. Private Limited, Calcutta.
CATEGORY No. 2—Children's Books (for children above 10 years)			
First Prize	NOT AWARDED		
Second Prize	NOT AWARDED		
Certificate of Merit	(1) Hamare Pakshi (Our Birds) (2) Baner Dak (Bengali)	Government of India Press, Faridabad M/s Navana Printing Works Private Ltd., Calcutta	Publications Division, Ministry of Information & Broadcasting. Shri Arun Kumar Dey, Calcutta.
CATEGORY No. 3—Illustrated Books			
First Prize	Poultry Keeping in India	Sree Saraswaty Press, Ltd., Calcutta	Indian Council of Agricultural Research, New Delhi.
Second Prize	Alaknanda (Hindi)	The Times of India Press, Bombay	Information Department, Govt. of Uttar Pradesh, Lucknow.
Certificate of Merit	India's New Horizons	Albion Press, Delhi	United States Information Services, India.

Title of the Entry		Name of the Printer/Advertiser	Name of the Publisher/Designer
CATEGORY No. 4—Arts Books			
First Prize	<i>Kishangarh Painting</i>	M/s Vakil & Sons (Private) Limited, Bombay	Lalit Kala Akademi, India.
Second Prize	<i>Birbhum Terracottas</i>	M/s Vakil & Sons, (Private) Limited, Bombay	Lalit Kala Akademi, India.
Certificate of Merit	(1) <i>Raza</i>	M/s Vakil & Sons (Private) Limited, Bombay	Sadanga Publications, Bombay.
	(2) <i>Asian Photography</i>	M/s Gossain & Co. Printers (Private) Ltd., Calcutta	Publications Division, Federation of Indian Photography, Pondicherry.
CATEGORY No. 5—Book Production (English)			
First Prize	<i>Poems and Epigrams</i>	Sree Saraswaty Press Ltd., Calcutta	Messrs Rupa & Co., Calcutta.
Second Prize	NOT AWARDED		
Certificate of Merit	<i>The Village had no walls</i>	Bombay National Printers (Private) Ltd., Bombay	Asia Publishing House, Bombay.
CATEGORY No. 6—Book Production (Indian Languages)			
First Prize	<i>Divan-e-Ghalib</i>	Adabi Printing Press, Bombay	Hindustani Book Trust, Bombay.
Second Prize	<i>Holy Bible (Tamil)</i> (<i>Parisuddha Vedagamam</i>)	C.L.S. Press, Bangalore	Bible Society of India & Ceylon, Bangalore.
Certificate of Merit	(1) <i>Ekottarasali (Hindi)</i>	Sree Saraswaty Press, Calcutta	Sahitya Akademi, New Delhi.
	(2) <i>Alasia (Panjabi)</i>	Nav Yug Press, Delhi	Arsec Parkashan, Delhi (Only one Prize).
CATEGORY No. 7—Daily Newspapers—(English)			
First Prize	The Statesman, Calcutta		The Statesman Printing Press, Calcutta
Second Prize	(1) The Hindustan Times, New Delhi		Hindustan Times Press, New Delhi.
	(2) The Tribune, Ambala		The Tribune Press, Ambala.
Certificate of Merit	(1) The Hindu, Madras		National Press, Madras.
	(2) The Times of India, Bombay		The Times of India Press, Bombay.
CATEGORY No. 8—Daily Newspapers—(Indian Languages)			
First Prize	Hindustan (Hindi) New Delhi		Hindustan Times Press, New Delhi.
Second Prize	Prajavani (Kannada) Bangalore		Deccan Herald Press, Bangalore.
Certificate of Merit	Loksatta (Marathi) Bombay		Krishnan Yani Standard Press, Bombay.

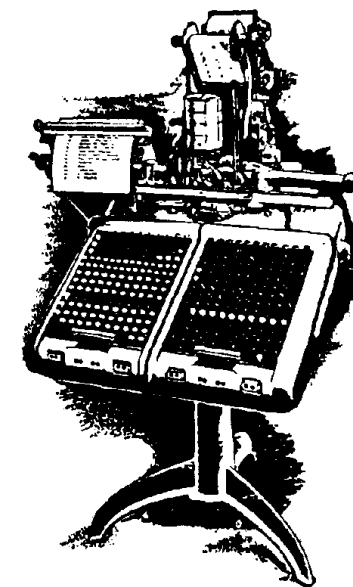
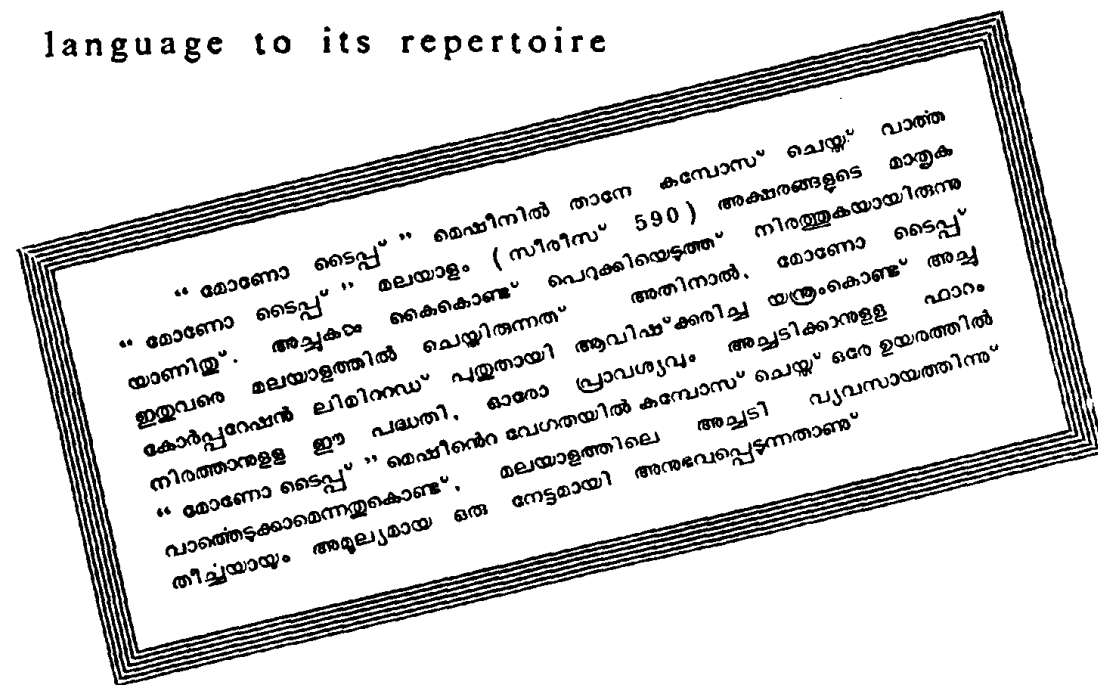
Title of the Entry		Name of the Printer/Advertiser	Name of the Publisher/Designer
CATEGORY No. 9—Display Advertisement Layouts			
First Prize	<i>Shopping for the Festive occasion (Handloom House)</i>	All India Handloom Fabrics Marketing Co-operative Society Ltd., Bombay (ADVERTISER)	Shilpi Advertising Private Ltd., Bombay (DESIGNER).
Second Prize	<i>The finest mouldings (Alkathene)</i>	Imperial Chemical Industries Ltd., Calcutta (ADVERTISER)	Clarion Advertising Service (P) Ltd., Calcutta (DESIGNER).
Certificate of Merit	<i>Triplets Now 3 flights a week to Tokyo</i>	Air India International, Bombay (ADVERTISER)	M/s J. Walter Thompson & Co. Bombay (DESIGNER).
CATEGORY No. 10—Art Magazines and Annuals			
First Prize	<i>Lalit Kala</i>	M/s Vakil & Sons (P) Ltd., Bombay	Lalit Kala Akademi, India
Second Prize	<i>Marg, Bombay</i>	Commercial Printing Press (P) Ltd.,—Tata Press, Bombay	Marg Publications, Bombay
Certificate of Merit	(1) <i>Design</i>	M/s G. Claridge & Co. Ltd., Bombay	Builders Publications of India (P) Ltd., Bombay
	(2) <i>The Times of India Annual—1959</i>	The Times of India Press, Bombay	The Times of India Press, Bombay (Only one Prize).
CATEGORY No. 11—House Journals			
First Prize	<i>The Link</i>	Navana Printing Works (P) Ltd. Calcutta	Indian Aluminium Co. Ltd., Calcutta.
Second Prize	<i>Dunlop Gazette</i>	Gossain & Co. (Printers) Private Ltd., Calcutta	Clarion Advertising Services (P) Ltd., Calcutta
Certificate of Merit	<i>A.C.C. Sandesh (Hindi)</i>	Thackers Press, Bombay	Publicity Dept., Associated Cement Companies Ltd., Bombay
CATEGORY No. 12—Periodicals (other than Annuals)—(English)			
First Prize	NOT AWARDED		
Second Prize	NOT AWARDED		
Certificate of Merit	<i>Research & Industry</i>	Catholic Press, Ranchi	Council of Scientific & Industrial Research, Old Mill Road, New Delhi

Title of the Entry		Name of the Printer/Advertiser	Name of the Publisher/Designer
CATEGORY No. 13—Periodicals (other than Annuals)—(Indian Languages)			
First Prize	NOT AWARDED		
Second Prize	NOT AWARDED		
Certificate of Merit	(1) <i>Khatu (Hindi)</i>	National Printing Works, Delhi	Indian Council of Agricultural Research, New Delhi
	(2) <i>Sanskrita Pratibha</i>	Vasantha Press, Madras	Sahitya Akademi, New Delhi.
	(3) <i>Sainik Samachar (Telugu)</i>	Union Printers Cooperative Industrial Society Ltd., Delhi	Armed Forces Information Officer, Ministry of Defence, New Delhi.
CATEGORY No. 14—Posters			
First Prize	<i>Apur Sansar</i>	Imperial Art Cottage, Calcutta	Sri Satyajit Roy, Calcutta.
Second Prize	<i>New Designs in Indian Handicrafts</i>	Gulabsons Offset Works, Delhi	All India Handicrafts Board, New Delhi
Certificate of Merit	(1) <i>Bhangra Dance (India)</i>	M/s Eagle Lithographing Co. Private Ltd., Calcutta	Directorate of Advtg. & Visual Publicity, New Delhi.
	(2) <i>National Design Competition of Handicrafts</i>	India Offset Press, Delhi	All India Handicrafts Board, New Delhi
CATEGORY No. 15—Folders—Offset/Photogravure			
First Prize	<i>Mystectin V</i>	M/s Bolton Fine Arts Litho Works, Bombay	Sarabhai Chemicals, Bombay.
Second Prize	<i>Guide Map of Mysore</i>	Eagle Lithographing Co. (P) Ltd., Calcutta	Directorate of Advertising & Visual Publicity, New Delhi.
Certificate of Merit	(1) <i>Medical Anthropology (Adbec drops)</i>	G. Claridge & Co. Ltd., Bombay	M/s Parke Davis (India) (Private) Ltd. Bombay.
	(2) <i>Quality marking scheme (Handloom fabrics)</i>	Sree Saraswati Press Ltd., Calcutta	Directorate of Advertising & Visual Publicity.
CATEGORY No. 16—Folders—Letterpress			
First Prize	<i>Godrej—Steel windows, doors & ventilators</i>	M/s Vakil & Sons (P) Ltd., Bombay	M/s. Godrej & Boyce Manufacturing Co. (P) Ltd., Bombay.
Second Prize	<i>Handloom renaissance</i>	G. Claridge & Co. Ltd., Bombay	All India Handloom Fabrics Marketing Co-operative Society Ltd., Bombay.
Certificate of Merit	(1) <i>Vitamycetin</i>	M/s Vakil & Sons (P) Ltd., Bombay	Geoffrey Manners (P) Ltd., Bombay.
	(2) <i>Nebasulf</i>	The Everest Press, Bombay	Dumex Private Ltd., Bombay.

Title of the Entry		Name of the Printer/Advertiser	Name of the Publisher/Designer
CATEGORY No. 17—Calendar & Offset/Photogravure			
First Prize	<i>Air India International 1959 Calendar</i>	Times of India Press, Bombay	Air India International, Bombay
Second Prize	<i>National Tobacco Ltd. Calendar—1959</i>	National Lithographic & Printing Press, Kamarhati (West Bengal)	Advertising Corporation of India, Calcutta (DESIGNER).
Certificate of Merit	<i>India 1959 Calendar</i>	Glassgow Printing Co. Howrah	Directorate of Advertising & Visual Publicity, New Delhi.
CATEGORY No. 18—Calendars—Letterpress			
First Prize	<i>An album of paintings by contemporary Indian Artists (Tata Calendar 1959)</i>	Commercial Printing Press (P) Ltd.—Tata Press, Bombay	M/s J. Walter Thompson & Co. Ltd., Bombay.
Second Prize	<i>Burmahshell 1959 Calendar</i>	Times of India Press, Bombay	M/s Burmah Shell, Bombay.
Certificate of Merit	<i>All India Handicrafts Board Calendar 1959</i>	M/s Associated Printers (Madras) Private Limited, Madras	Directorate of Advertising & Visual Publicity.
CATEGORY No. 19—Diaries			
First Prize	<i>India 1959—Prestige Diary</i>	Sree Saraswati Press Ltd. Calcutta	Directorate of Advertising & Visual Publicity.
Second Prize	<i>Marf Desk Diary 1960 (Leather bound)</i>	M/s Marf & Co., Bombay	M/s Marf & Co. Bombay (Only one Prize).
Certificate of Merit	(1) <i>Siemens Pocket Diary 1959</i>	Thackers Press, Bombay	M/s Siemens Engineer & Mfg. Co. of India Private Ltd., Bombay.
	(2) <i>Marf Pocket Diary 1960 (Plastic cover)</i>	M/s Marf & Co., Bombay	M/s Marf & Co., Bombay (Only one Prize).
CATEGORY No. 20—Devnagri Type Faces			
First Prize	<i>36 Pt. Savaree (Inlined)</i>	Shri J. C. Hin, Sree Type Foundry, Calcutta.	
Second Prize	(1) <i>18 Pt. Bharatree</i>	—do—	
Certificate of Merit	(2) <i>32 Pt. Mita Bold</i>	Shri Nanda Lal Roy, Friends Type Foundry, Calcutta.	
		NOT AWARDED	
CATEGORY No. 21—Publicity Booklets			
First Prize	<i>Devidayal Stainless Steel</i>	M/s G. Claridge & Co. Ltd., Bombay	M/s Devidayal Stainless Steel Industries (P) Ltd., Bombay
Second Prize	<i>Sixty years of Motor Transport in India</i>	M/s Gossain & Co. (Printers) Ltd. Calcutta	The Dunlop Rubber Co. (India) Ltd., Calcutta
Certificate of Merit	<i>Kandar Silver Jubilee Souvenir 1934-59</i>	Times of India Press, Bombay	Kandar Private Ltd., Bombay.

CATEGORY No. 22—Labels		
Title of the Entry	Name of the Printer/Advertiser	Name of the Publisher/Designer
First Prize	<i>Lily Carbon Paper B.C.R.</i>	Hind Union Press, New Delhi
Second Prize	<i>Choco Tomato Ketchup</i>	Shiv Raj Fine Art Litho Works Bombay
Certificate of Merit	<i>Polson's Pure Indian Coffee</i>	Shiva Raj Fine Art Litho Works, Bombay
CATEGORY No. 23—Best Bound Book		
First Prize	<i>Hindi Viswa Bharati—Vol. 2</i>	Northern Regional School of Printing, Binding, Technology, Allahabad
Second Prize	<i>The art of the North East Frontier of India</i>	Basanti Binding Works, Calcutta
Certificate of Merit	(1) <i>Indian Primitive Art</i> (2) <i>Sarkar's Law of Evidence</i>	Swapna Brining & Rinding Works, Calcutta. Basanti Binding Works, Calcutta.
CATEGORY No. 24—Packaging		
First Prize	<i>Sapolex</i>	M/s G. Claridge & Co. Bombay
Second Prize	<i>Det</i>	M/s G. Claridge & Co. Bombay
Certificate of Merit	(1) <i>Klik—41 6 lever padlock</i> (2) <i>Malaya, the Indian Santalwood Soap (Box)</i>	Colour Cartons (P) Ltd., Bombay Great Bengal Cardboard Manufacturing Co., Calcutta
CATEGORY No. 25—Point of Sales (Counter & Display Material)		
First Prize	<i>Savlon—Liquid Antiseptic</i>	Great Bengal Cardboard Mfg. Co., Calcutta
Second Prize	<i>Polson's Coffee & Butter</i>	Murthy Publicity Service, Madras
Certificate of Merit	<i>Mobiloil Special</i>	Murthy Publicity Service, Madras

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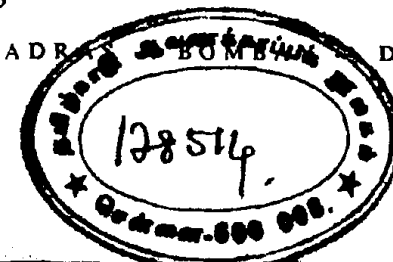
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சூழ வந்திருந்து உயரான காட்சியைக் கண்கூடாகக்
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BOOK REVIEW

" KAVIN ACHUKALAI "

by

P. DHARMAR, B.A., M. S. Street, Sivakasi.
Rs. 9/- Pages Part I 147, Part II 125.

This is the first book in Tamil on Printing Technology. The first part deals with Stone Lithography and the second part deals with Process Camera Work and Photo Lithography and offset. Being a translation of David Cumming's Hand book of Lithography, it closely follows the original in the arrangement of the chapters etc., tracing the early beginnings of Stone Lithography leading to modern Photo offset techniques.

The book contains detailed explanations of the various processes for printing by the planographic method. Charts, tables, pictures, formulae etc. supplement the useful text. Written in simple and understandable Tamil Kavin Achukalai will be found very useful to students of lithography, craftsmen and others interested in the art and craft of printing. Many day to day technical problems and difficulties could be solved with the help of the hints given in this very useful work.

Many learned Tamil linguists have written forewords to this work, which is the first Tamil venture and the book may well run into many editions, filling as it does the gap between oral knowledge and practical work.

The author is a partner of the well known National Litho Works, Sivakasi and has drawn much from his practical experience for writing this useful work. Copies can be had from the author's address given above. (Ed.)

A NEW SANSEIF TYPE FACE

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ADSANS is an entirely new and original sans-serif face made by Linotype and Machinery

Limited specially for classified advertisements. Hence the title "ADSANS".

It is 4½-pt size and thus gives 15 lines to the column inch; the medium and bold versions being duplexed in the same fount.

Exceptional qualities are required in type intended for use in 'small ads' especially when they are printed on newsprint by a high-speed rotary press and stereotyped many times during the course of successive editions. Three essential virtues are claimed for Adsans :—

First, Adsans is highly legible. Moreover, it has the kind of legibility (as distinct from

PERSONAL SECRETARY required. No shorthand is required but previous secretarial experience is essential for this responsible post. Accurate typing of French/Spanish/German would be an additional qualification which would be recognised in the salary paid. 5-day week. Staff Canteen. Apply Personnel Officer, Box 1459.

PLANNING ENGINEER required by engineering company. Experience of assembly and fabricating planning in medium/heavy engineering essential. Contributory pension scheme. Salary will be commensurate with qualifications and experience. Reply in confidence to Box 4567.

PLUMBER, experienced, required for maintenance and new work. Rate Rs. 60. per hour. Good prospects. Write Box 1234.

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PROGRESS CHASER for expanding organisation. Must have engineering experience. Age 25-35. 5½-day week. Pension scheme. Salary according to ability. Write Box 3579.

RECEPTIONIST with previous motor trade experience for lively garage. Good knowledge of costing and workshop management. Licence and references essential. A conscientious hard worker aged over 30 will be well rewarded. Box 4444.

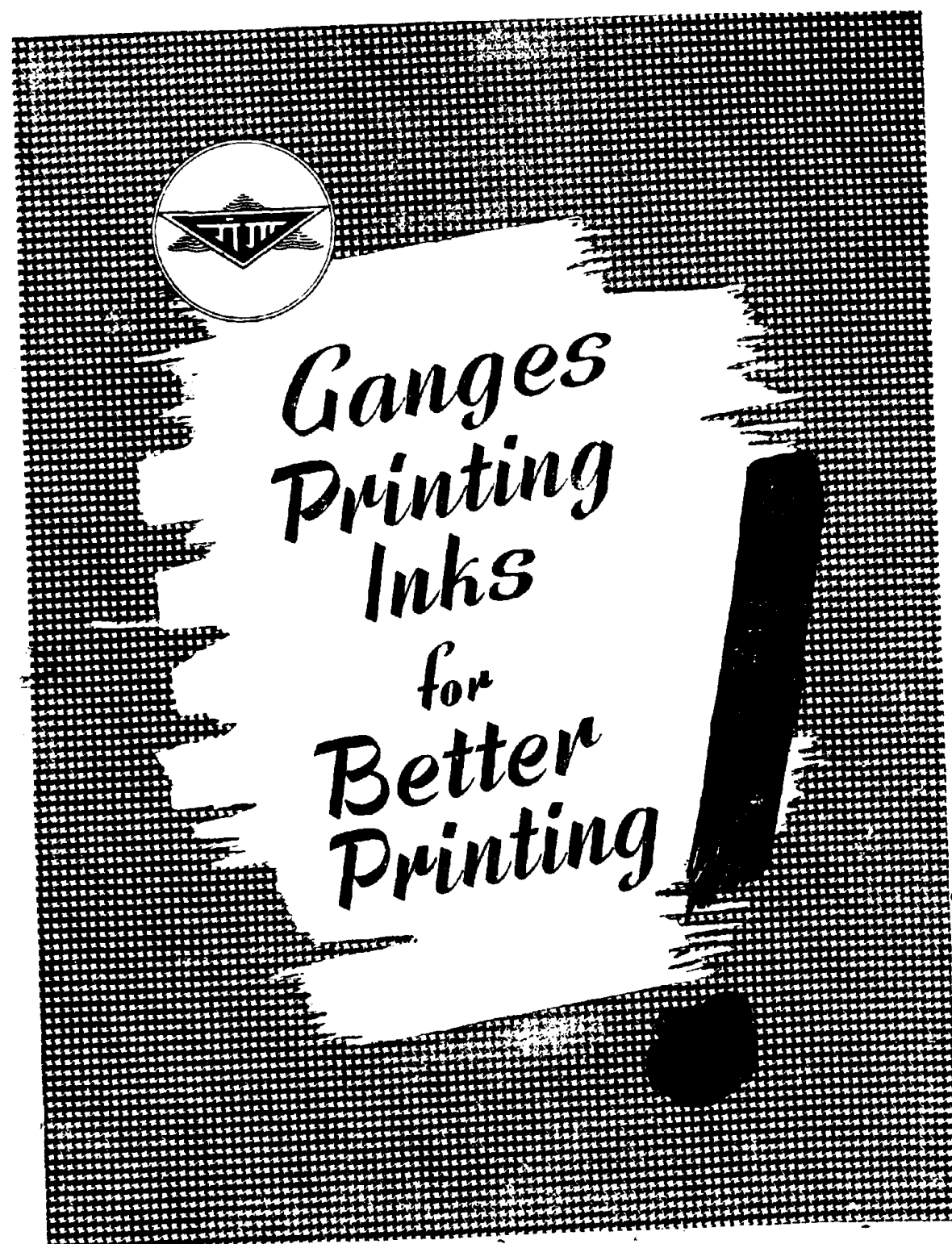
RECORD CLERK. An important converting company requires an experienced lady clerk to operate material control records. Good handwriting, accuracy with figures & ability to make calculations essential. Pleasant working conditions in new office. Hours 9.30-5.30. No Saturdays. Superannuation scheme. Salary approx £500 p.a. Write details to Box 2211.

Set in 4½ pt. Adsans with Bold
on 5 pt. body.

readability) that is appropriate to short passages of text. This legibility has been achieved by making the 'x' height as large as possible and ensuring that all characters are round and open.

Secondly, Adsans is very durable. Good stereotyping qualities have been ensured by the absence of thin elements from the design and keeping the strokes firm and strong.

(Continued on Page 3)



THE IMPROVED ROMAYOR OFFSET MACHINE

Guided by an endeavour to perfect the Romayor 30 offset printing machine in such a way as to achieve a higher quality of printing, Czechoslovakia designers have made a number of alterations in both machine itself and in the form of special accessory equipment intended to facilitate the operation of the machine and to produce better prints.

The incorporation of these changes place the Romayor 30 machine among the most modern in the world while in some respects it actually surpasses them. This article gives a brief survey of the most interesting advantages of the machine.

They include in the first place the machine's small dimension and light weight (550 kgs.), which facilitate its erection in the printing shop and its subsequent transfer, if this becomes necessary.

The machine is simple to operate, requiring a minimum of skill on the part of the operator, while achieving high runs and good quality prints.

The make-ready for printing is extremely short. Thanks to the use of a newly-designed Czechoslovak washing-up device the exchange of colours in the ink duct can also be carried out in an incredibly short time, while the former long and arduous preparation of the metal foil is almost entirely done away with. The preparation of the metal foil is simplified by the fact that the image upon it is executed the right way up and not inverted mirror-like. To make the image upon and the metal foil it is possible to use either an autographic ink, a pen or a typewriter, using autographic pencil or autographic ribbon, to print from type with the aid of transfer ink, or to employ the photo mechanical transfer method.

Greater possibilities of use :

The soft rubber cover on the offset roller enables all kinds of paper from the 30 g Ait Mail to 350 G cardboard to be used. The paper surface may be coarse or fine, its structure will not change. This makes impossible to print also on the paper, thus giving the offset print its characteristic blending and opaque (soft), appearance. The effect is not unlike a water-colour painting, pleases the eye and is preferable to the greasy shine of some prints from metal blocks. The inks dry more quickly in coarse paper which makes offset printing speedier and thus also cheaper. The use of bi-metal foils provide an opportunity to achieve hundreds of thousands of fine quality prints. Below a description is given of the more significant improvements made on the improved Czechoslovak Romayor 30 offset machine.

The Foil Retaining Ledge :

In order to be able to use aluminium foils (0.1mm thick) even for larger runs of several thousand copies, while maintaining perfect hair-line register in multi-colour printing, the aluminium foil is held by a ledge attached by means of four screws with cylindrical heads. The suspension of the foil by hooks remains as before, the only difference being that the four lenticular screws are replaced by screws with cylindrical heads.

Additional Ink Duct Rollers :

Are intended to serve for perfect distributing of ink and thus also the uniform inking of the foil. This equipment will be found especially useful when printing large areas. In between two side plates, connected by a distance rod, are at the bottom mounted two rubber rollers of varying diameters, running upon the rubber inking rollers of the ink duct in an oppo-



showmanship in words and pictures

COLOURFUL pictures on a cave wall, graceful hieroglyphs on a crumbling pillar—ideas handed down the centuries through a variety of significant symbols and media—all express, interpret and present the thoughts of some memorable civilization.

Today, the heritage of India's tradition and culture has gained a new meaning through her own printing skill. The printed word and picture offer a wider scope of expression through an eloquent range of typography and colour reproductions, opening the minds of people to the past, present and future.

With her own words and pictures, India impresses her ideas at home and abroad through the showmanship of good printing.



• BHARHUT STUPA, BALUSTRADE RELIEF, Early 1 century B.C.

good printing
tells a
better story



Sree Saraswaty Press Ltd.

32 UPPER CIRCULAR ROAD, CALCUTTA

site direction. The upper metal roller which runs upon the rubber by its own weight also acts as a distribution roller i.e. it has an axial motion. By inserting the additional rollers on to the ink duct distance rod and securing them by means of two threaded pins under the distance rod, the equipment is ready for operation.

Washing up Apparatus :

One of the best improvements effected recently on the Zetaprinton 30 offset machine is the ink duct and distribution rollers washing up apparatus. This consists fundamentally of a small tank with a rubber wiper, equipped at holders of damping rollers and two handles.

The equipment is put into operation by lifting the three rollers (i.e. the two rubber damping rollers and the metal pressure roller) inserting the washingup apparatus and securing it against dropping out i.e. by turning the ball handle with catch into the holder of the metal pressure roller.

When the machine is switched on and the cleansing agent allowed to drop on to the ink duct rubber rollers, the diluted ink is wiped off the large distribution roller by means of the rubber wiper, and into the tank.

This device is sure to be welcomed by all offset printers using the Romayor 30 machine, since it will cut down the time needed for washing up the rollers to a maximum of three minutes and will bring about a saving not only of the cleansing agents but in particular also of cotton waste used for cleaning purposes.

Illumination of Ink Duct :

In order to provide good visibility both of the ink in the duct and of the finished prints on the delivery table a lamp with a flexible armoured hose has been mounted on the machine's side plate. With its aid both the upper and rear parts of the machine can be illuminated.

The Ink Duct Cover :

As the tin cover of the ink duct prevents the printer from checking the correct ink distribu-

tion, he usually takes it off and thus permits duct and other impurities to get into the ink, which has a detrimental effect upon the quality of the printing. In order to avoid this, the ink duct cover on the new Romayor 30 machine is made of plexiglass. The permanent cover prevents impurities from penetrating into the ink, and enables the printer constantly to check the inking rollers.

Water Tank :

The former design of the water tank permitted the use of only a limited amount of water, which had to be supplemented in the course of the printing. To avoid this, the tank was made of plexiglass and into it was mounted another rectangular vessel also of plexiglass, serving as a water reservoir. An aperture closed up with a lever has been made at the bottom of the vessel side wall. When the lever is pressed, the aperture is left open and water flows into the tank, where it is maintained at a constant level. If the damping apparatus is well adjusted and the constant supply of fresh water is thus secured, the printer can give his attention to other work, as the 1.51 of water which the tank with reservoir takes is quite sufficient for a period of at least eight hours at maximum output.

Gripper Side Lay :

One of the important novelties incorporated in the new type of Romayor 30 offset machine is a gripper side lay. This innovation makes the machine universally serviceable, accurate register being ensured when printing several colours. It also makes it possible to print on any kind of paper stock.

The gripper itself consists of a device, drawn by means of a screw into the groove of the shaft, which drives its pendulum motion from a cam. The strength of the spring is adjusted according to the thickness of the paper used. A side lay is mounted at the side of the gripper to hold the paper after it is drawn in. The paper is drawn to the lay by means of a ledge, driving its motion from the side cam, and by

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MADRAS-17

means of a pulley which press against the paper sheet and pushes it towards the lay.

The cam is roughly adjusted by hand by loosening the screw, moving the lay to approximately the desired place and securing it with the same screw. A micro-matic screw located on the outside of the machine is used for the accurate adjustment of the side lay. This screw regulates both lays, the right as well as the left. This is necessary when printing on both sides of the paper. The side lays can be adjusted while the machine is in motion without it having to be switched off, so that the number of discards is negligible.

Together with the side lays also the front lay of the Romayor 30 machine was reconstructed in such a way as to permit its adjustment while the machine is running. This is done by adjusting screws with a fine thread, which with their cone-shaped ends press against the left or the right or against both ends of the

lays, thus ensuring extremely fine adjustment and consequently hair-line register.

The geared wheels of the hand lever are equipped with a safety cover in order to exclude any danger of injury when adjusting the front lay while the machine is in operation.

Side Air Spray :

A side air spray has been installed to help to separate the individual sheets and to prevent two sheets at a time from entering the machine. It is located at the top of the paper guide ledges on the feed table. Compressed air is supplied from a compressor or over a distributor mounted on the machine base.

The Adjustment of the Front Air Spray:

Was previously carried out by a split steel ring right next to the compressor cylinder. This has been replaced by a cone valve, combined with the under-pressure regulator in a single unit. While the adjustment was form-

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AHUJA TYPE FOUNDRY

Post Box 1240, Kothari Mansion, Opp. G.P.O., BOMBAY-1

ally badly accessible, it is now easily and readily accessible.

Flange Suction Feeders :

The former roller-shaped large and small suction feeders with a comparatively small contact area have been replaced by soft elastic flange suction feeders with a large contact area which accurately feed paper of every kind, quality and weight up to 350 G/m².

Closing the Suction Feeders :

This has been improved by prolonging each suction feeder extension at the top above the suction tube and equipping it with a pin. This makes it possible to open and shut, or if necessary partly to shut, any of the action feeders.

The Hand Lever :

The hand lever has been fitted out in such a way as to make the use of foot pedal unnecessary. A conical clutch has been amounted directly into the lever. When the lever is pushed towards the machine the printing rollers are set in motion while pulling out the lever result in their being switched off.

The special disc gear chain has been replaced with two normalo conical belts.

Regulation of pressure :

The difficulties that accompany printing upon various kinds of paper (Varying weight) have been completely removed by the installation of pressure adjustment. By applying the offset key to the protruding square and turning it in clockwise direction it is possible to increase the distance between the offset and counter pressure roller according to the thickness of the paper, while the distance between the offset and metal foil roller remains un-changed. It is possible to check the correct adjustment of the offset roller in relation to the counter

pressure roller on a scale placed at either side of the machine. With the aid of this device, pressure can be altered within a few seconds, so that papers of various thickness can be used.

Higher output of Compressor :

The output of the compressor has been increased owing to the greater consumption of compressed air as a result of the side air spray.

The Ventilator :

In the form of vanes sepewed on to the compressor belt serves both to cool the compressor cylinder and to provide exchange of air in the bottom part of the machine, which is completely covered in. Ventilation outlets have been made in the bottom half of the side plates to assist ventilation.

Weights :

Apart from the normal weights used for the paper pile special weights are delivered with the machine for heavier papers.

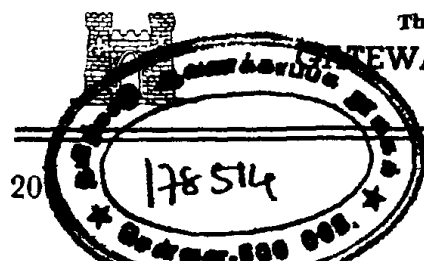
The Switch Box :

Is adapted to conform with all electricity regulations. The above-mentioned advantages of offset printing and of the make ready of metal foils, as well as the described improvements give the Romayer 30 machines all the necessary preconditions for it to rank with the best small size fully automatic offset printing machines, serving to raise the productivity of the printing shop and at the same time to reduce printing cost. The Czechoslovak fully automatic Romayor offset machine is giving reliable service in many printing works through out the world. Messrs. J. Mahabeer & Co. Private Ltd., Faiz Bazar, Darya Ganj, Delhi will gladly supply you with further technical literature.

The Cover of this issue is printed on

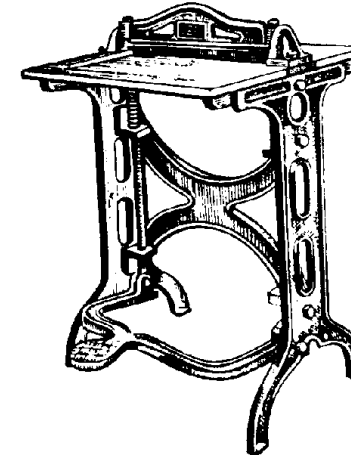
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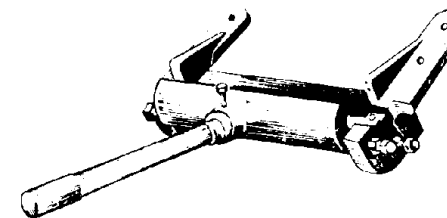


This is designed for efficient and neat working. All components are accurately machined. The machine is fitted with tempered English pins.

The tables of highly polished wood are provided with side and back guages.

CALENDAR RIMMING MACHINE

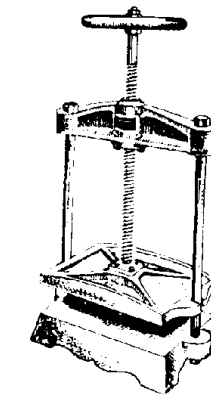
Sizes 18 and 24 inches



This machine is useful to Printers, Show Card and Calendar Makers etc. for fixing Metal Rims and Suspenders to Calendars, Maps etc. The Machine makes single and double folds.

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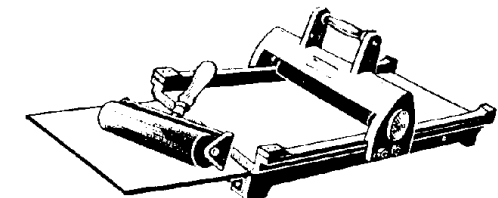
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