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OFFICIAL JOURNAL OF THE INDIAN FEDERATION OF PRINTING TECHNOLOGISTS

Vol. V

MARCH 1958

No. 8

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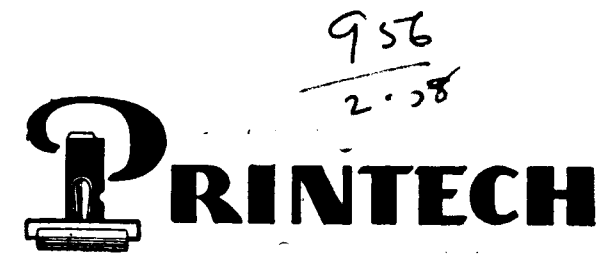
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The Official Monthly of The Indian Federation of Printing Technologists Madras

Hony. Secretary

S. SRINIVASA RAO, L.P.T.

Hony. Editor

V. R. SIVARAM, L.P.T.

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All correspondence regarding the Federation should be addressed to the Hony. Secretary.

Regarding matter for publication, subscription and advertisements should be addressed to the Hon. Editor.

All payments should be sent only by crossed postal order or cheque, made payable to the Indian Federation of Printing Technologists, Madras.

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1958

ALL INDIA PRINTERS' CONFERENCE AND EXHIBITION—SIXTH SESSION

ORGANISERS :

The Coimbatore & Nilgiris Districts Master Printers' Association, Coimbatore

The Sixth Session of the All India Printer's Conference and Exhibition will be held this year at Coimbatore from 19th April 1958 under the auspices of the Coimbatore and the Nilgiris Districts Master Printers' Association. The open session of the Conference will be held for three days from 19th April and the Exhibition will continue for three weeks.

Coimbatore being one of the most important cities in the South, the Conference is sure to attract a large number of delegates from all over the country. It is proposed to hold a day's session of the Conference at Ootacamund.

As in the previous sessions of the All India Printers' Conference, a competition in printing process-engraving, book binding, etc., will be held. A list of subjects for competition is given herebelow. Articles submitted for competition will be limited to production completed during and after 1957.

Letterpress Printing

1. Books-General
2. Books-Children
3. Magazines
4. Direct Mail Publicity

5. Calendars
6. Cartons and Packages
7. Labels
8. Letter-Heads.

Offset

1. Direct Mail Publicity
2. Calendars
3. Posters
4. Labels
5. Cartons

Binding

Well Bound Books

Die Embossing

Die Embossing Jobs

Process

Results of Blocks with Originals

S. C. Mazumdar Rolling Shield

(Instituted by the Association of Master Printers, West Bengal) for the best book printed on Indian Made Paper.

As usual, a Souvenir will be published at the inauguration of the Conference which will contain articles of interest to printing industry.

Intending exhibitors and advertisers in the souvenir are requested to contact very early the Hony. Secretary, The Coimbatore and Nilgiris Districts Master Printers' Association, 7/453, Cross-Cut Road, Coimbatore.

PROGRAMME

19th April 1958

... Inauguration of the Conference at "President's Building" Avanasshi Road, Coimbatore.

5 P.M. Opening of the Exhibition.

20th April 11 A.M.

... Conference Session at OOTY.

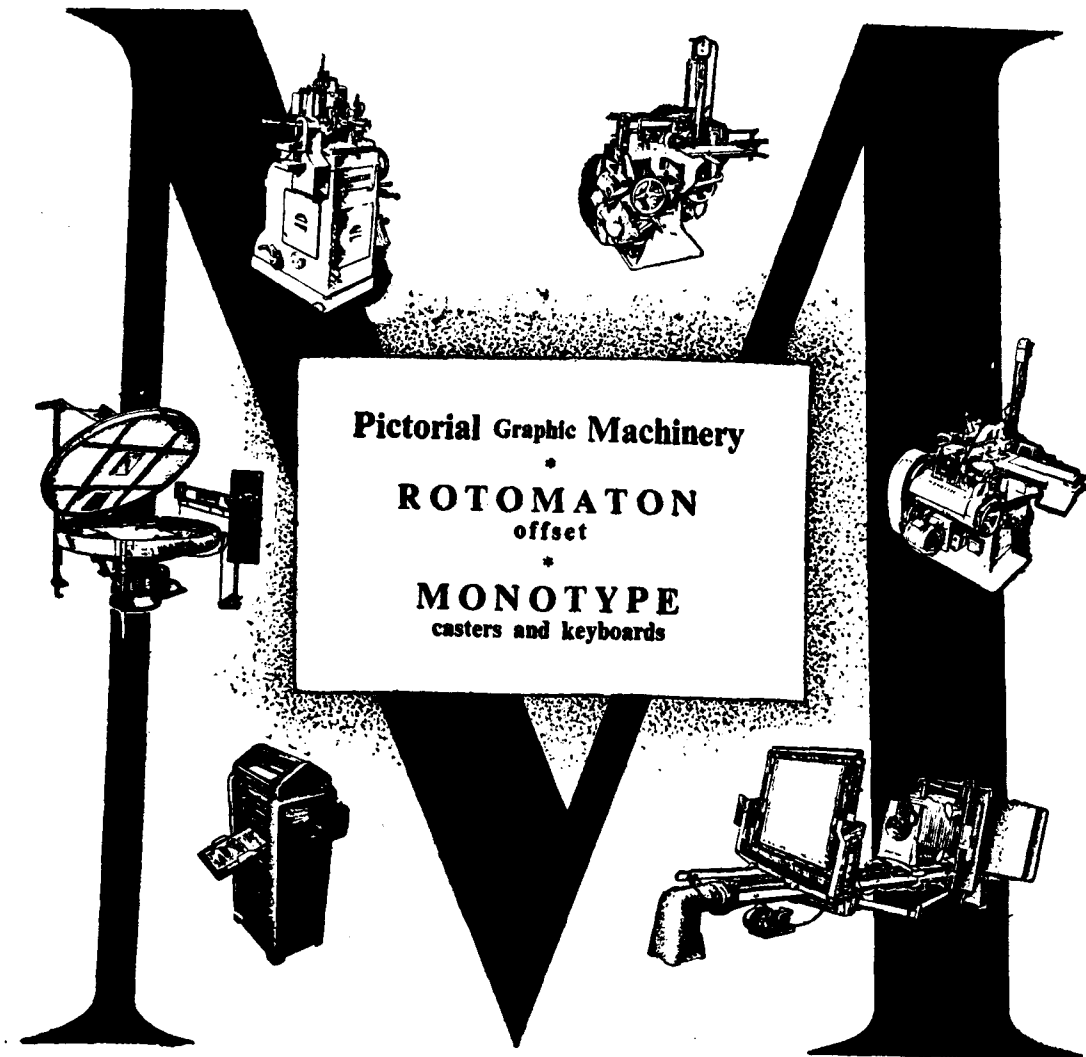
21st April 11 A.M.

... Conference Session at Coimbatore.

5 P.M.

... Prize Distribution.

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FOR OFFSET APPRENTICES (5)

Setting of Inking & Damping Rollers

by ERIC J. TONGUE

LAST month we discussed the care of the inkers and dampers, but for an offset press to function properly the rollers must be correctly set.

As a preliminary to roller settings the plate must be fitted to the plate cylinder and packed to the correct thickness.

On some machines the pressure adjusting arms are attached to the plate cylinder so that any alteration to the pressures will alter the position of the cylinder in relation to the inking rollers. In machines of this class the pressures must be set before setting the rollers.

Following this preliminary operation, begin the setting by cutting a number of one-and-a-half inch wide strips of very thin but strong paper. Use these strips to set the plate-inking rollers starting with one of the inside ones. Place three strips of paper about two inches from each end of the roller between the plate and roller surfaces.

The reason for using three strips of paper is that if only one strip is used the plate surface exerts a different pull on the one side of the paper from the roller's surface on the other side, which makes it difficult to obtain a fine

setting. By using three strips the same pull is exerted on each side of the centre strip making it easier to assess the setting.

At each end of the roller just beneath the roller cup or bracket will be found two adjusting screws or eccentrics. One of these moves the roller up and down, the other moves it in and around the cylinder direction.

By adjusting the roller in the up and down direction the roller may be set so that the centre paper may be drawn out with a normal pull. It should not be tight.

When this is done, this roller must then be set to the geared oscillation roller.

This is done by using the other adjustment previously described. Insert the papers between the geared oscillation roller and the inker and by means of the adjustment bring the roller up to the oscillating roller until the tension required to withdraw the paper is the same as on the previous setting. Set the second inker in the same way. When this is done go over the settings between plate and inkers again; this is necessary because in setting the inkers to the geared oscillator the setting to the plate is sometimes altered. The other pair of inkers and the corresponding oscillating roller can now be set in the same way. Now run the machine with the rollers down. By resting the fingers on the ends of the roller spindles any jump can be detected. Do not come to the conclusion that a jump is due to bad setting, it may be caused by wear in the inker brackets or by a bent spindle, recheck the roller with the paper strips before making any alteration.

Streaks when printing a solid are often caused by having the inker set so hard that the front edge of the plate ruptures the ink film as it strikes the rollers. This leaves a mark which shows itself on the sheet in a position corresponding to the commencement of the second revolution of the inkers.

Gear marks corresponding to the pitch of the roller gears are often caused by having set an inking roller so hard against the geared oscillating roller that it rises out of its sockets. The whole weight of the geared oscillator thus

IN THE MANUFACTURE OF PRINTING INKS

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falls on the inker and the gears are pushed out of their proper pitch line. The chatter which this sets up is transferred to the inking rollers in a series of streaks which are in turn transferred to the sheet.

It is important to check the setting of the inkers to the geared oscillators with the machine turned so that the rollers are adjacent to the gap of the cylinder.

If the rollers have not been properly set it may be found that they drop out of contact in this position. For similar reasons check the rollers in the up position.

Most of the remaining rollers drop into forks and obtain contact by their own weight, or by springs. If any are meant to be set by adjusting screws, work out the method of adjustment and set up using the paper strips to get an even contact. The last roller to be set is the inking vibrator, which transfers the ink from the fountain to the first drum. Its movement is usually controlled by an arm and cam roller contacting a cam, which pushes the roller in one direction, and springs which push it in the other direction. Set this roller first in the position which is controlled by the arm coming to highest spot on the cam by the paper strip method, then turn the machine until the springs push it the other direction where it can be set by adjusting the tension on the springs.

It is worth while spending a little extra time in making these settings, for once the rollers are properly set there should be no need to touch them again so far as adjusting is concerned. You will also feel confident that whatever is causing trouble on the machine it cannot be due to badly-set rollers.

When rollers have been carefully and lightly

set in this way it is essential that every plate which is put on is packed to the correct thickness to within .001 in. For this purpose the micrometer gauge must be used and in fact no apprentice should be without one.

When setting the rollers on the damping unit it will be found that on most machines the adjustments are similar in principle with those for setting the inking rollers so that setting can be done in the same way with the paper strips, first setting to the plate and then to the brass or chromium roller.

There are however, several rules which should be followed. The damping rollers should be set slightly harder to the plate than the inkers. This will ensure that the front edge of the plate is damped slightly farther forward of the point at which the inkers contact it, thus minimising the dirty edge which tends to develop. It also makes some allowance for the wear which is constantly taking place on these rollers. The damper which contacts the plate last should never be set harder than the first damper, for this causes the first damper to skid or jump out of contact with the brass or chromium roller. The last damper to contact the plate may be set a little lighter to the brass or chromium roller than the first damper. If set harder it will prevent the first damper from receiving a proper charge of water. Dampers or rollers which are heavily set result in excessive wear on the grain and image of the plate. Hard setting detracts from the sharpness of the print and increases wear. ★

The golden rule for roller setting is definite contact with a minimum of squeeze pressure.

Courtesy: The Modern Lithographer and Offset Printer

I. Q. Test

In course of an interview for a technical personnel an interesting question was presented to the candidates to test their ability in management.

The question was what would you do if you find one of your assistants coming late to the works very often.

Of course there were several answers: I would give him a warning, if he continues I would dismiss him.

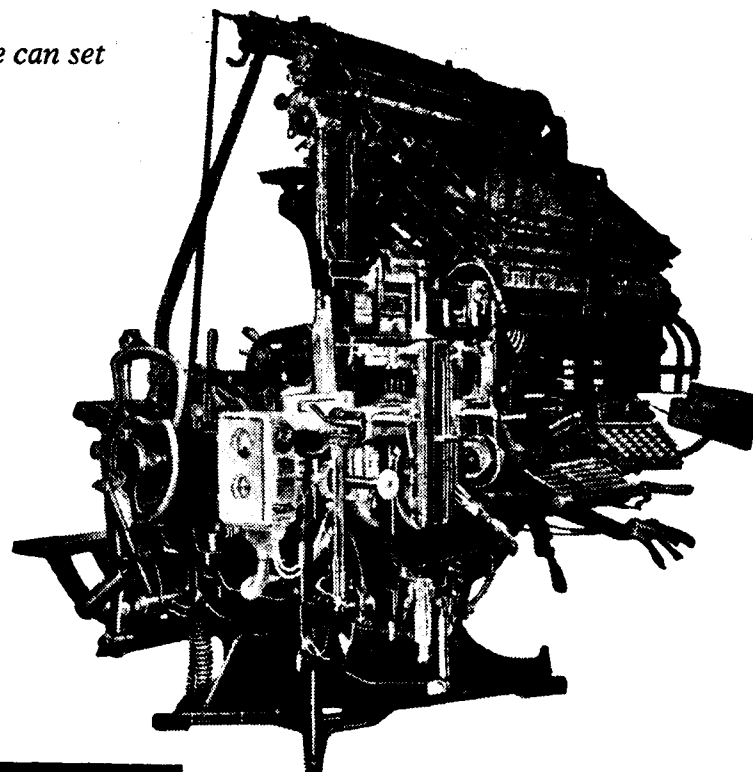
"I would bang him." "I would sack him." But there was one who said "I would enquire why he comes late very often."

MARCH 1958

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NEWS

PRINTECH Diary Page :
News of people, production and events in the Printing, Paper and Publishing World

India

The Andhra Pradesh Printers' Association

THE Fourth! Annual General Body Meeting of the Andhra Pradesh Printers' Association was held on Friday the 31st January 1958, at 4 p. m. at 'Neo Vasantha Vihar,' Abid Road, Hyderabad. Sri A. P. Nagan presided over the meeting.

The Managing committee members for the year 1958 were elected as below.

President

Sri A. P. Nagan, Osmania Printing Works.

Vice-President

Sri G. S. Rao, Mose & Co.

Hony. General Secretary

Sri Puli Mallikarjun, Mulki Press.

Joint Secretaries

Sri Ramanuja Chari, Ramanuja Press.

Sri B. V. Hemchander, B. V. R. Balreddy & Co.

Treasurer

Sri G. Narayan Rao, Lakshmi Art Press.

Members

Sri K. Narayan Rao, Venkatesh Press.

„ K. Shankerish, Premier Press.

„ S. Badey Saheb, Shivaji Press.

„ Balakrishna Lahoti, Marwadi Press Ltd.

„ Chandrabhushan, Chandragupta Press.

„ G. Lakshmiah, Jyothi Printing Press.

„ D. Ramaswamy, Bhagyanagar Press.

„ V. S. Radhakrishna, Venkateswara Printers.

„ P. Narayanaswamy, Ajanta Art Press.

The following names were recommended to represent on the A. I. F. M. P. Governing Council and General Body.

Governing Council Members

Sri A. P. Nagan

„ J. R. Bardapurkar

„ Puli Mallikarjun

„ S. Krishna Rao

„ B. V. Hemchander.

General Body Members

Sri A. P. Nagan

„ J. R. Bardapurkar

„ Puli Mallikarjun

„ S. Krishna Rao

„ B. V. Hemchander

„ N. Appa Rao

„ G. Narayan Rao

„ G. S. Rao

„ Konda Venkiah

„ Munidraji

England

British Museum Acquisition

THE British Museum has recently acquired the only surviving copy of Caxton's *Legendary Usum Sarum* which was printed for Caxton by Guillaume Maynal in 1488.

The museum authorities have described this as the most important of the three new Caxtons discovered in the past thirty years—it was found recently in the church of St. Mary's Warwick.

Courtesy: Process

W. Germany

DRUPA Exhibitors

650 Exhibitors will show their products at Drupa 1958 which will be held from May 3-16 in Dusseldorf 135 exhibitors are coming from 14 foreign countries. The range of exhibits from France, U. S. A. Great Britain, Switzerland and Italy will be most prominent. Total covered area amounts to 72,000 square metres which are, now already, completely taken and in addition to this 1,200 square metres of outside space.

New automatic setting machines expected

New Technical developments will be on show at the international printing exhibition DRUPA to be held in Dusseldorf. West German commentators expect that new type automatic setting machines will be exhibited and that American methods will be a feature of the show.

Innovations are also expected in the field of offset. They will include bimetallic and trimetallic blocks and new type reproduction cameras.

Some interesting developments in aniline printing are also likely to be demonstrated. Aniline rotary presses will be adapted for printing not only on paper but on plastics cellophane, metal foils, packaging and bags.

In the field of photogravure the accent will be on greater speed. Simplified cylinders will be a feature of new photogravure process.

For book binders the stress will be on mechanisation and particularly on more integrated processes.

Gutenberg Museum at Mainz

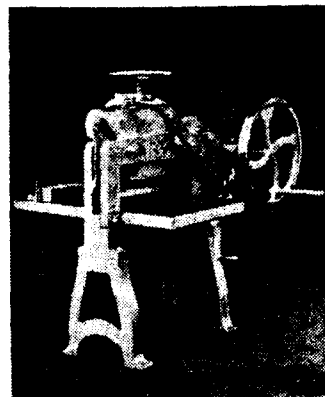
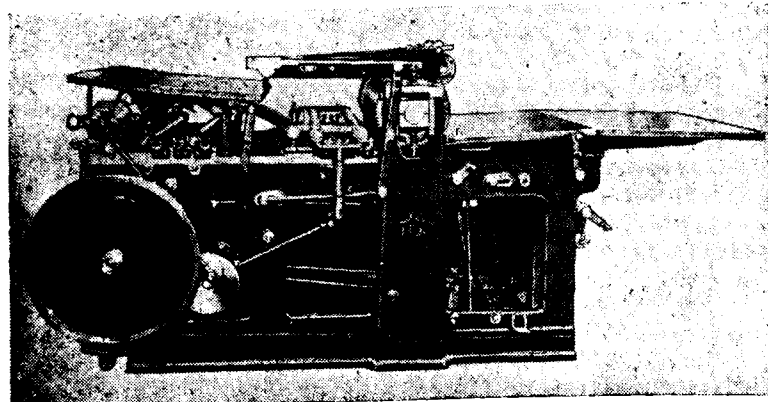
All donors to the rebuilding programme of the Gutenberg Museum in Mainz, which is expected to be completed by 1960, are to receive gifts in return.

MARCH 1958

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According to the value of their money gift they are to receive on loan pages printed on the old presses and with the old type in the possession of the Museum. Those giving large sums are to have their names engraved on a special tablet in the entrance hall of the new Museum. Apart from that, firms or whole branches of the printing industry who take an active part in the rebuilding of the Museum are to be given opportunities of displaying their printed products at exhibitions to be arranged from time to time.

Courtesy: Printing News

Japan

Japanese book exports reach new high level

JAPANESE book exports have reached total hardly considered possible a few years ago according to the *Japan Times*. In the last years they have risen by some 50 per cent and are now double that of cinema films—one of the major foreign Currency earners in the country. The U.S.A., Communist China and Australia are among the leading buyers. Japanese publishers are minded to improve the position even more with ten exhibitions planned to be seen in various parts of the World, including Europe.

Switzerland

THE Swiss printing Union paper Helvetische Typograhie pleads for the introduction of the so-called British working day. It points out that the industry and workers alike would profit from a lunch hour break reduced to

an hour or 30 minutes. At present the lunch time break in Switzerland is two hours. A shortening of this break together with introduction of the 44 hour week in the Swiss printing industry would enable workers to make better use of their leisure hours.

The Soviet Union

A NEW giant printing works for periodicals only will be set up at Tehekhov near Moscow. So far they have been printed in book printing works and thus their production tended to interrupt the smooth flow of the book production. It is intended to produce altogether 229 periodicals totalling 3,120 issues per year in the new works. Some 178 journals will be produced by letterpress, 10 by offset and 41 by photogravure. The new works will also be equipped with plant for colour processes. A special binding shop will be attached to the new works. This shop will be fully automated.

Vietnam

A PLAN for the erection of a paper mill, which is to produce some 7,000 to 10,000 tons per year, is being studied by various interested parties. It is not yet certain who is to finance the project. If the International Co-operative Administration of America undertakes to provide the capital, the mill will probably be built by Americans.

Holland

STICHTING Grafisch Export is the name of a new organisation that has been founded in order to boost exports of printed matter from Holland.

[Annual Statement under Rule 6 of the Registration of Newspapers (Central) Rules 1956]

FORM IV

- | | | |
|---|-----|--|
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| 2. Periodicity of its Publication | ... | Monthly |
| 3. Printer's Name | ... | Sri R. Surianarayanan |
| Nationality | ... | Indian |
| Address | ... | 11, Anderson Street, Madras-1 |
| 4. Publisher's Name | ... | The Indian Federation of Printing Technologists |
| Nationality | ... | — |
| Address | ... | 7, Kondi Chetty Street, Madras-1 |
| 5. Editor's Name | ... | Sri V. R. Sivaram, L.P.T. |
| Nationality | ... | Indian |
| Address | ... | 4, Bharatha Matha St., E. Tambaram, Chingleput Dt. |
| 6. Names and address of individuals who own the newspaper and partners or shareholders holding more than one percent of the total capital | ... | ... |

I, V. R. SIVARAM, hereby declare that the particulars given above are true to the best of my knowledge and belief.

Dated 1st March 1957

(Sd.) V. R. SIVARAM
Signature of Publisher



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12 பாயின்ட் பவானி ரோமன்

ஒருவன் தன்னைத்தான் நேசிப்பானாகில், அவன் தன்னையே கவனமாய்க் காத்துவரவேண்டும். இரவில் மூன்று யாமங்களில் ஒன்றிலாயினும் ஞானி விழிப்புடன் கவனமாயிருப்பானாக.

ஒவ்வொரு மனிதனும் முதலில் தான் நன்னெறியில் நிலை பெறவேண்டும்; பிறகுதான் மற்றவர்களுக்குப் போதிக்கவேண்டும். இத்தகைய ஞானி கிலேசமடைவதில்லை.

மற்றவர்களுக்குப் போதிக்கிறபடி ஒருவன் தன்னைப் பண்படுத்திக் கொள்ளட்டும். தன்னை நன்கு அடக்கியாண்ட பிறகு, பிறரை அடக்கியாள முடியும். ஏனெனில் தன்னை அடக்கிக் கொள்வதே கடினமான காரியம்.

ஒருவன் தானே தனக்குத் தலைவன். வேறு யார் தலைவனாயிருக்க முடியும்? தன்னை நன்கு அடக்கிவைத்துக் கொண்டால் ஒருவன் பெறுதற்கரிய தலைவனைப் பெற்றவனாவான்.

மூடனுடைய பாவம் அவனிடமே பிறந்தது, அவனே படைத்தது, வயிரம் மற்ற மணிகளை அறுப்பதுபோல், அவன் செய்த பாவமே அவனை அழித்துவிடும்.

மாலுவக் கொடி கடம்ப மரத்தைச் சுற்றிப் படர்ந்து மரத்தையே அழுக்கி விடுவதுபோல், ஒருவனுடைய தீவினையே அவனை அழுக்கிவிடுகிறது; பகைவர் செய்யவிரும்பும் தீமையை அவன் தானாகவே செய்துகொள்கிறான்.

ஷே பவானி ரோமன் எழுத்துக்கள்
18, 14, 12, 11, 10, 9 பாயிண்டுகளில் கிடைக்கும்

தயாரிப்போர்:

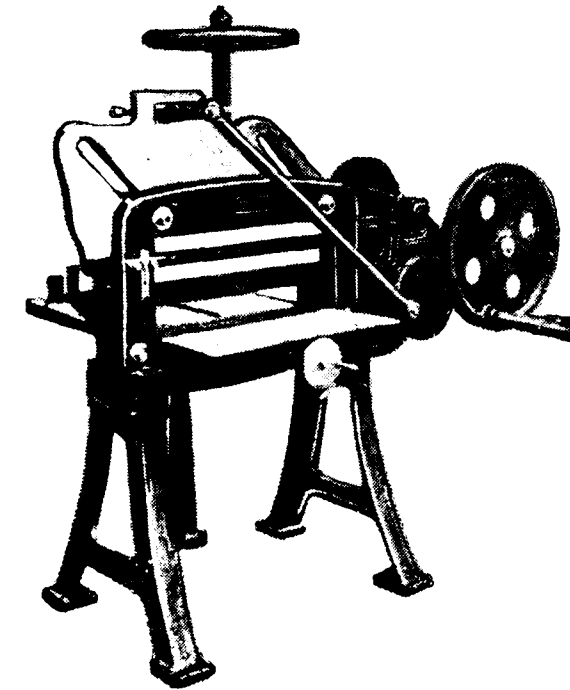
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