

“COLT'S ARMORY” and “LAUREATE”
PLATEN PRINTING PRESSES

MODELS C. J and T



Designed by
John Thomson, C. E., and John Edgar Thomson, M. E.

Constructed by
The John Thomson Press Company
Telephone 6349 Barclay 253 Broadway, New York Cable Address Thompresso, N.Y.
Factory: Nott and East Avenues, Long Island City, Phone 3611 Hunters Point

Catalogue of January, Nineteen Hundred and Thirteen
GENERAL CATALOGUE SENT ON REQUEST

JOHN THOMSON PRESS COMPANY

Copyright, 1913, by
John Thomson Press Company
New York

The Field



T he Cincinnati Cost Convention of 1912 there was a very fine exhibit of Hank Slug's print shop and office before and after his installation of a cost system. The pre-cost system part of this exhibit illustrated the aforesaid dignitary in a dark back room, with a single foot-power Gordon, a couple of fonts of type, and a sign advertising to do "cheap printing." The after-cost system part illustrated Mr. Slug in a fine office, with well-equipped press room in the rear, and an embossed placard advertising to do "High-class printing, engraving and commercial work." The progressive printer will readily see from the foregoing that prosperity is in some way directly connected with a knowledge of costs and a better grade of printing. Please bear this point in mind:

High-class Printing is the Key-note of the Successful Printer

This Is Why

A man desires to advertise; he determines to do so by a series of letters mailed directly to his customers. He takes his work to a printer, has it cheaply done, sends it out and gets but little result. A salesman from a progressive printing concern accidentally sees one of the circular letters, interviews the advertiser and tells him he understands he is not getting results from his copy. The advertiser, astonished, asks *why*. Whereupon the salesman tells him that no one could expect results from advertising and circular matter which was so *unattractive to the eye* that it was doubtless torn up and thrown into the waste paper basket without being read.

He suggests something new in the form of a booklet, showing samples in colors, or perhaps a letter-head with an attractive border, on first-grade paper, and a half-tone or two illustrating some particular feature of his business. The advertiser is impressed, tries the new ideas and the result is quite the opposite of his first effort.

The printer, having produced a better article and better result, finds it possible to add a *greater percentage* of profit to a greater base cost, and makes *two or three times as much out of the job* as the man who did the "*cheap*" work.

Hank Slug's cost system soon told him this. Why not learn it for *yourself*?

We Practice What We Preach

You started to read this catalogue because it has an attractive cover; you will continue to read it because it has attractive cuts and inserts.

Our machines fill that unlimited field of printing of comparatively short runs of high-class work. There is not a printing concern in the country which can afford to neglect it.

Your own cost records will show that runs of 10,000 impressions or under can be done on these machines *cheaper* than on a cylinder press.

"Colt's Armory" Presses—Model C—Sizes

We make our Model C machines in 14 x 22 size only, other sizes are Model B. Quarto Medium, 10 x 15 inches inside of chase, Style 2.

Half Medium, 13 x 19 inches, inside of chase, Styles 5 and 6.

Half Super Royal, 14 x 22 inches inside of chase, Styles 2, 5 and 6.

“Colt's Army” — Adaptations and Recommendations

The Quarto Medium, Style 2, is best adapted for light work, such as type, rules, cuts and small half-tones. Speed of 2400 impressions per hour is often obtained.

The Half Medium and Half Super Royal, Style 5, are intended for large and heavy half-tones, multiple-color, tint-block and mixed form printing. Speed, 1800 impressions per hour.

The Half Medium and Half Super Royal, Style 6, can be supplied with heating blank and used for light embossing, cutting, scoring, etc. These machines run at 1800 impressions per hour.

The Half Super Royal, Style 2, is an enlargement of the Quarto Medium, Style 2, and is used for the same purpose. Speed, 1800 impressions per hour.

NOTE: As regards speed, this is largely “up” to the feeder, and in most cases the press can be run faster than it can be fed.

Laureate Presses—Models J and T

These machines are only built in the Half Super Royal size, 14 x 22 inches inside of chase, and are intended for work requiring superior distribution and an extremely heavy impression at a speed of 1000 to 1400 impressions per hour. The Model T is a single geared and single fly-wheel machine, and is intended for forms which require a fine distribution without the heavy impression that the Model J will impart.

General Information Concerning the Model C

When carriage is latched up, flow of ink from fountain stops.

Amount of ink flowing from fountain can be adjusted while machine is in motion. Fountain is wider.*

Blade of fountain is made removable, to facilitate cleaning.*

Fresh ink flows through four rollers before it comes in contact with the form rollers, ensuring correct predistribution.

Vibrating motion of large ink cylinder wipes shadows from form rollers.

Vibrator roller adjustable for parallel* and amount of contact with distributor changer. *The form rollers ink only on the downward motion and not on the up.*

The carriage is cam-actuated and controlled by double rollers, which insure long wear.

*The frisket fingers are completely depressable** and may be placed at any position on the frisket frame.

Fly-wheel should rotate *towards* the feeder.

Pinion shaft cap is easily removed.*

Adjuster bar throw-off is cam-actuated* and can be operated with one finger.

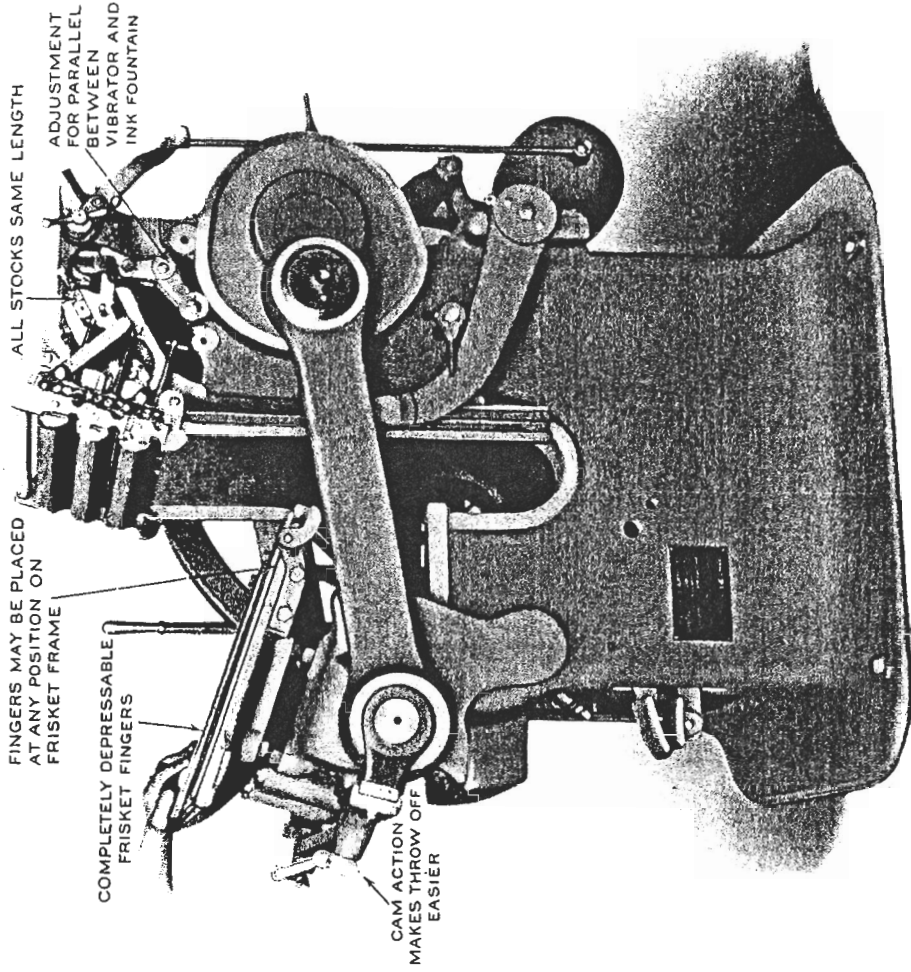
Bed and platen are scraped flat to surface plate, with slight crown in centre to take up for spring.

All stocks are same length.*

Ink fountain adjusting screws bind on blade and do not work loose.*

Model C

Three-quarter view of Model C, showing Inking and Roller Mechanism.



Fine half-tone work attracts the eye and brings customers to the user. Tell this to your advertiser.

Platen impinges dead square on bed, simplifying make-ready, producing clean sharp impression.

Platen is controlled by cam which permits it to open up for feeding until it is practically horizontal. Its reversal of movement is exceedingly smooth and slow.

All in all we are justified in asserting that there is *no other machine* on the market to-day which for impression, distribution, materials, construction, design, length of life, general all around convenience, and time-saving appliances, *can compete with our Model C at the price at which it is sold.*

General Information Concerning Models J and T Presses

Model J is double geared and has two fly-wheels. Model T is single. Gears are all mild steel.*

Crank pins are 50 per cent. stronger than Model C crank pins, *and the steel gears will hold them without crushing the metal.*

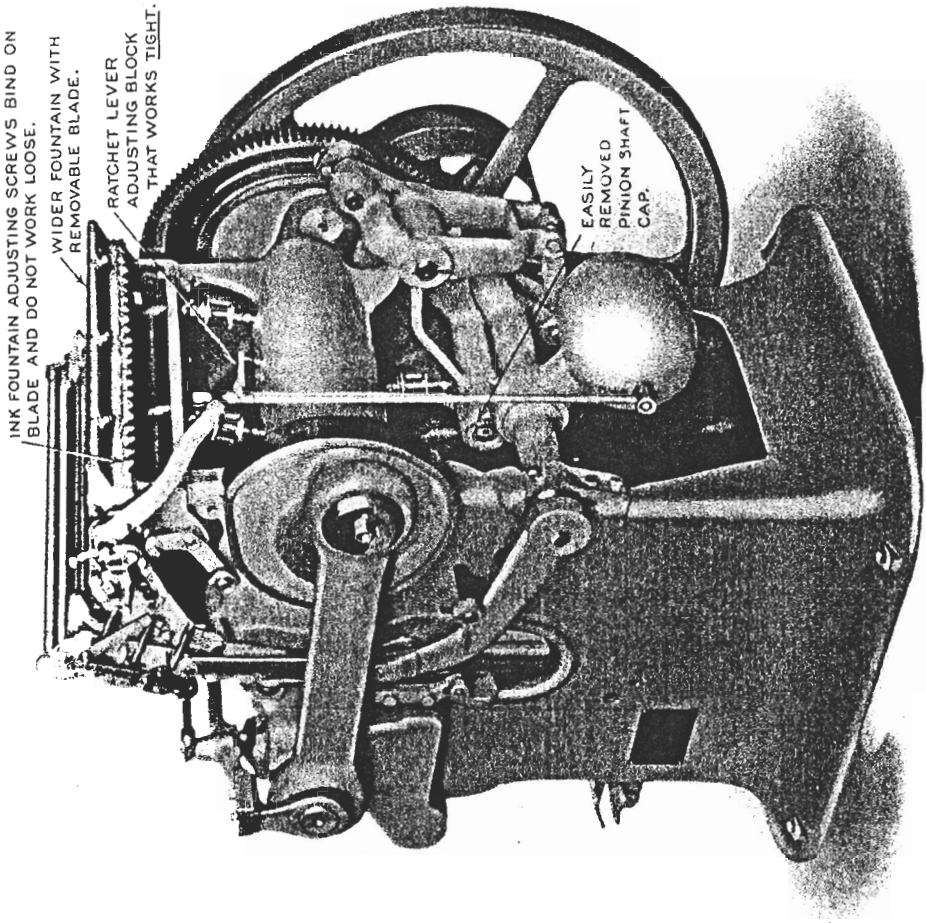
The bridge shaft is slightly relieved in centre to provide adequate lubrication.*

Two large ink cylinders, vibrating oppositely; four form rollers, four distributor rollers, one distributor changer, and one vibrator roller, as designed and constructed, insure a distribution which, with proper and careful manipulation will cover most any form that can be locked into the chase, with a *single inking.*

* Indicates latest improvements.

Model C

Right hand view of Model C, showing frisket fingers depressed.



It would pay your customers to use such cuts as the one here shown. They can be easily executed on our Model C with a single inking.

When starting a job, the fountain cylinder can be revolved by hand to pre-distribute the ink and see how much ink is being used.

The fountain is cleaned, as in the Model C, by removing the blade.

If the form does not require much ink, the machine can be run with only two form rollers (lower ones) and one large ink cylinder.

The machine is balanced to save power and ensure smooth action at high speeds.

This press is designed to take a hard, thin tympan, and with accurate type-high forms the make-ready is automatic.

The carriage is actuated by means of a crank, there being no cam to wear out. This action is exceedingly smooth, and must be seen to be appreciated.

The single inking device trips cause the rollers to ink on the downward motion only. These trips are made adjustable to take up for wear.*

The crank pins and bridge trunnions are oiled through hollow screws.

The chase latch is operated by a foot treadle, leaving both hands free to manipulate the chase.

The machine can be furnished with a counter, if desired.

The hook connection is made as a weak link, so that in case of accidental obstruction to the carriage, the connection, a *cheap part*, will break and save the roller arms.*

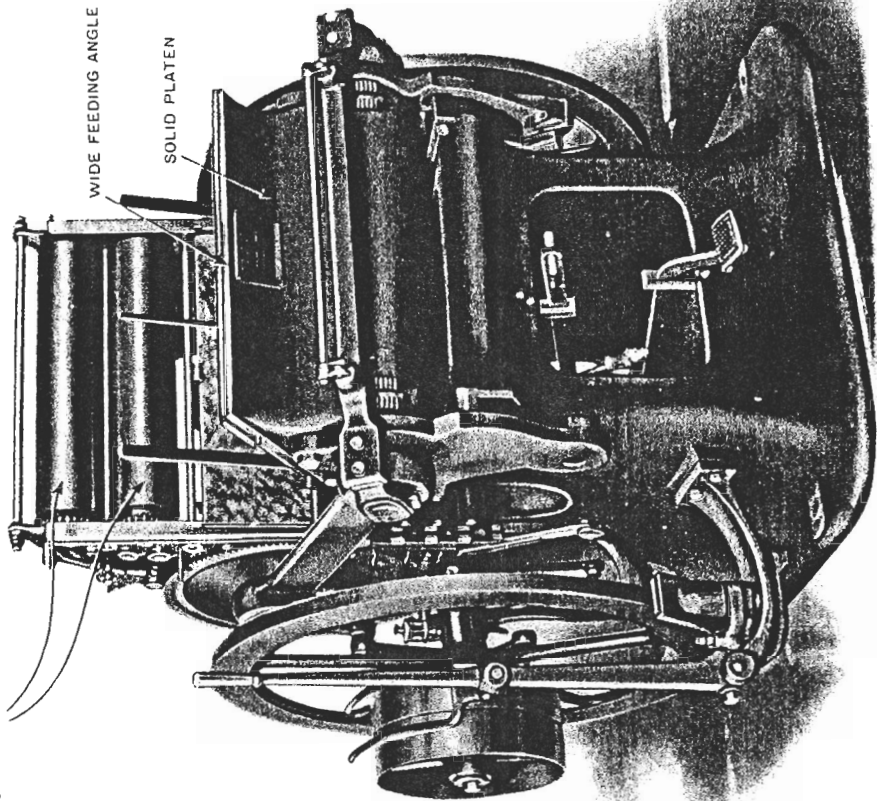
The many features on the Laureate machine are the result of our thirty years experience in building presses of its type, combined with years of experimentation by men eminently fitted

* Indicates latest improvements.

TWO LARGE INK CYLINDERS

Model J

Front view of Model J,
showing carriage up and
platen open.



First-class illustration pays
—try it.

for such work. We believe we are safe in asserting—and we stand ready to make any tests necessary (and *have* made them) to prove our assertion—that there is not another machine of its type on the market to-day which for smoothness of operation, impression and distribution, can approach it. We have spent practically \$60,000 in designing and developing this machine and for the tools, fixtures and gauges necessary to manufacture it, and while the results obtained have amply repaid us for doing so, purchasers have also necessarily participated in the benefits thus derived.

A Few Suggestions

It is better to use a broad band of thin ink from the fountain than a thin band of heavy ink. If your ink adjustments must be "just so," latch up the carriage each time the platen is tripped.

Use a thin hard tympan. It avoids indentation of sheets and reduces wear of form.

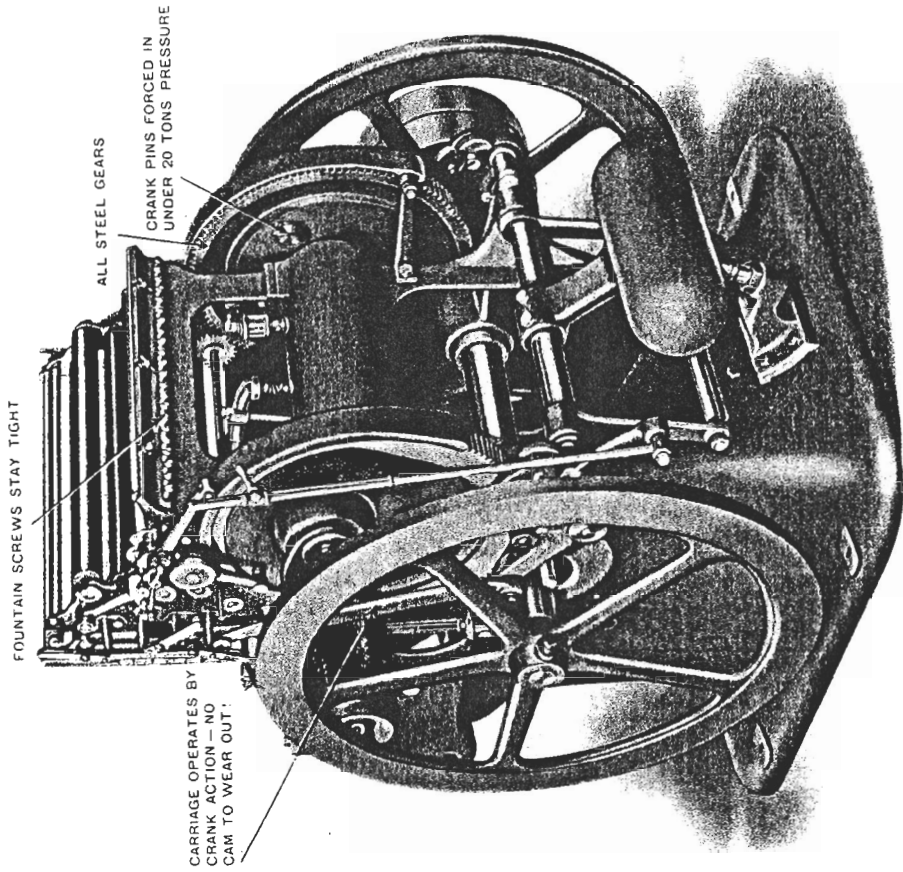
Use of accurate type-high cuts saves time in make-ready. "Type-high" is 0.920 inch.

If you are doing heavy work, you will increase the life of your machine by doing the work slowly.

The machines illustrated in this catalogue can in most cases be made ready, inked, run off and cleaned up in half the time necessary to do the same job on any older type of machine.

Model J

Rear view of Model J, showing fountain and carriage action.



A prospective customer will look at an attractive booklet when he is too busy to bother with Hank Slug's early printed matter.

A Few Don'ts

Don't

- Wipe the ink cylinders when the press is in motion.
- Use the same steel plate for both cutting and scoring and also printing.
- Make ready with the press speeded to a high rate of operation.
- Blame the machine for *everything* that goes wrong.
- Neglect to oil all moving parts frequently.
- Neglect to see that all bolts and nuts are *tight*.
- Go away and leave the machine running.
- Touch the frisket fingers when the press is in motion.
- Put heavy impressions out of the center of the platen.
- Let sheets sticking out of the platen get under the form rollers.
- Let the machine become covered with ink.
- Run the machine faster than it can possibly be fed.

Parts Included with Each Model C Press

- 6 Form roller stocks
- 4 Distributor stocks
- Two vibrator stocks
- 4 Adjusting clamps
- 6 Form roller wheels, $1\frac{1}{2}$ in. diameter
- 6 Form roller wheels, $1\frac{7}{8}$ in. diameter
- 5 Steel chases, interlocked
- 2 Feed tables
- 2 Feed table floor standards
- 3 Frisket fingers
- 1 Treadle (for Quarto only)
- 3 Wrenches

All stocks must be cast 2 inches in diameter

Parts Included with Each Model J or T Press

- 8 Form roller stocks
- 8 Distributor stocks
- 2 Vibrator stocks
- 8 Distributor stock boxes
- 2 Adjusting clamps
- 8 Form roller wheels, $2\frac{1}{8}$ in. diameter
- 8 Form roller wheels $2\frac{1}{2}$ in. diameter
- 5 Steel interlocked chases
- 2 Feed tables
- 2 Feed table floor standards
- 3 Frisket fingers
- 2 Wrenches

All stocks must be cast $2\frac{1}{2}$ inches in diameter

Models C, J and T—Price List

F. o. b. Long Island City, including boxing and delivery to railroad or steamer, or setting up in Manhattan

	¼ M Style 2 B	½ M Style 5 B	½ M Style 6 B	½ S R Style 2 C	½ S R Style 5 C	½ S R Style 6 C	Model T	Model J
List	375	635	660	625	700	775	825	900
90-day	365	617	645	610	680	755	805	875
30-day	356	605	630	597	668	740	790	860

Gas Blank with Blower for Style 6 and Models T and J, \$100.00

Two per cent. discount allowed for payments ten days from date of invoice

Shipping Data

Dimensions inches	1/4 M Style 2	1/2 M Style 5	1/2 M Style 6	1/2 S R Style 2	1/2 S R Style 5	1/2 S R Style 6	Model T	Model J
	Press	46x36x50	50x35x56	50x35x56	50x44x56	50x38x56	50x38x56	64x56x56
Parts	40x19x16	42x19x18	42x19x18	42x19x18	42x19x18	42x19x18	42x19x18	42x19x18
Fly-wheel	38x38x5	40x40x5	40x40x5	38x38x5	40x40x5	40x40x5	42x40x5	42x40x10
Press	1500	2700	2700	2650	2900	2900	3400	3400
Parts	200	280	280	250	280	280	300	300
Fly-wheel	170	225	225	175	225	225	200	400
Total	1870	3205	3205	3075	3405	3405	3900	4100
Press	1200	2265	2265	2310	2460	2460	2900	290
Parts	140	275	275	200	275	275	240	240
Fly-wheel	125	175	175	135	175	175	160	320
Total	1465	2715	2715	2645	2910	2910	3300	3460

Floor Space, Pulley Dimensions, etc.

	$\frac{1}{4}$ M Style 2	$\frac{1}{2}$ M Style 5	$\frac{1}{2}$ M Style 6	$\frac{1}{2}$ S R Style 2	$\frac{1}{2}$ S R Style 5	$\frac{1}{2}$ S R Style 6	Model T	Model J
Press without Feed Tables	45 x 33½	48 x 46	48 x 46	48 x 44	48 x 51	48 x 51	50 x 54	53 x 54
Face of Feed Table	12 x 18	14½ x 22	14½ x 22	14½ x 22	14½ x 22	14½ x 22	14½ x 22	14½ x 22
Floor Space of Feed Table	13½ x 13½	13½ x 13½	13½ x 13½	13½ x 13½	13½ x 13½	13½ x 13½	13½ x 13½	13½ x 13½
Space through which press will pass assembled	33½	46	46	43	51	51	50	53
Space through which press will pass dismembered	19½	20½	20½	32½	32½	32½	39	39
Face of Pulley	2¼	3¼	3¼	3¼	3¼	3¼	3¼	3¼
Diameter of Steam Pulley	12	14	14	14	14	14	14	14
Diameter of Motor Pulley	18	23	23	23	23	23	23	23
Width of Belt	1¼	3	3	2½	3	3	3	3
Range of Speed	1200 to 2400	1000 to 1600	1000 to 1600	1200 to 1800	1000 to 1600	1000 to 1600	1200 to 1600	1000 to 1400
Revolutions of Fly-wheel to each impression	6	8¼	8¼	8¼	8¼	8¼	8¼	8¼
Horse-power Recommended	½	1 to 1½	1 to 1½	¾ to 1	1 to 1½	1 to 1½	1 to 1½	1 to 1½
Diameter of Cast Rollers	2	2	2	2	2	2	2¼	2¼

We manufacture and sell:

Folding Box Machinery	Steel Cutting Rule
Embossing Machinery	Steel Interlocked Chases
Special Inks for Platen Presses	Printing Press Motors, Etc.

Prices upon Application

JOHN THOMSON PRESS COMPANY

Designed, Engraved and Printed by
Robert L. Stillson Company
209 West 38th Street, New York

Color Inserts furnished by

Dittman-Steidinger Company