INSTRUCTIONS FOR MAINTAINING AND OPERATING A
NO. 22 VANDERCOOK ELECTRIC PROOF PRESS

INDEX TO INSTRUCTIONS

A. Clean Press
B. Lubrication
C. Ink up Press
D. Washup Press
E. Method of feeding Press

A. CLEAN PRESS
Keep roller and bed bearers clean and wipe bed bearers with oily rag. The bed of the press should be free of dirt and paper dust.

B. LUBRICATION
Shafts not indicated below are equipped with ball bearings. All bearings are packed with grease and sealed. They require no further attention.

OIL EVERY WEEK WITH S.A.E. #20 MOTOR OIL
1. Bronze thrust collars at both ends of inking rollers and impression cylinder.
2. Impression cylinder and inking roller carriages.
   Remove side guards and with carriages on under side of bed fill oil holes in all carriages.

OIL EVERY 3 WEEKS WITH S.A.E. #20 MOTOR OIL
1. Motor Bearings (Remove front guard.)
2. Roller Chains

LUBRICATE EVERY WEEK WITH VASELINE
Vibrator worm and crescent. Remove vibrator through sliding door when starting switch is in off position.

C. INK UP PRESS
With vibrator in position press down on starting switch lever to rotate ink drum. With right foot press down foot pedal until inking rollers are rotating on drum. With ink drum rotating apply ink with ink knife to drum. Allow ink to distribute evenly before moving ink rollers off drum to ink up form on galley.
D. WASHUP PRESS
Remove galley of type from bed. Move inking rollers to center of bed. Wash inking rollers with naptha and wipe with clean cloth. Remove vibrator from supports and wash. Wash drum. After washing up press replace vibrator in support.

CARE OF VANDERCOOK SYNTHETIC ROLLERS
1. Wash rollers daily with naptha.
2. When rollers become glazed wash them with lye solution using rubber gloves (4 level teaspoons full to one pint of water). Allow solution to remain on rollers 10 minutes and then wash off with clear water.

It is essential that rollers be kept clean. Sufficient time should be taken to thoroughly wash the rollers each day with Naptha. The wash with the lye solution is to remove the dried ink from the pores of the rollers. If rollers are properly cleaned each day it is not necessary to use the lye solution but about every two months.

CAUTION: Do not allow inking rollers or vibrator to rest on the drum when drum is not turning.

E. METHOD OF FEEDING PRESS
1. Short sheets are placed on the inked galley with right hand and removed with left hand to stack or prong.

2. Long sheets are removed from pile with right hand and turned face down on galley with the aid of left hand. After impression roller passes over sheet, left hand removes sheet starting with left hand edge and right hand grasps right hand edge. The sheet is transported to pile turning its printed side up.
LUBRICATION
COVER ALL ROLLER CHAIN WITH A FILM OF S.A.E. 20 MOTOR OIL ONCE EVERY THREE WEEKS.

OPERATORS SIDE VIEW
NO. 22 VANDERCOOK ELECTRIC PROOF PRESS
TO REMOVE CYLINDER—
REMOVE QM-514 CYLINDER GUARD. REMOVE FOUR F-821 SCREWS FROM EACH HANGER ASSEMBLY. LIFT OFF CAP AND REMOVE CYLINDER.

CYLINDER ADJUSTMENT—
WITH CYLINDER OVER EMPTY BED ADJUST SAME. SO IT MAY ONLY BE TURNED BY GRIPPING WITH ONE HAND. SET ALL IMPRESSION WHEELS WITH EQUAL TENSION, TIGHTENING ECCENTRICS IN DIRECTION INDICATED BY ARROWS.
LUBRICATION

OIL HOLE IN Q-526 HANGERS TO BE FILLED EVERY WEEK WITH S.A.E. #20 MOTOR OIL.
A FEW DROPS OF S.A.E. #20 MOTOR OIL DAILY BETWEEN QB-509 THRUST COLLAR & QR-503 COLLAR.
ALL BALL BEARINGS ARE PACKED WITH GREASE AND REQUIRE NO FURTHER ATTENTION.

Q-526 FORM ROLLER HANGER ASSEMBLY
QB-509 FORM ROLLER THRUST COLLAR
QR-506 FORM ROLLER CORE
Q-515 FORM ROLLER COMPLETE
MR-500 SPRING
QR-604 COLLAR
QR-503 COLLAR

TO REMOVE FORM ROLLERS—
REMOVE THREE F-823 SCREWS FROM EACH HANGER ASSEMBLY, LIFT OFF CAP & REMOVE FORM ROLLERS.

FORM ROLLER ADJUSTMENT—
LOOSEN TWO SET SCREWS IN EACH QS-579 ARM—WITH FORM ROLLERS IN PRINTING POSITION WEDGE BETWEEN TOP OF QS-579 ARM AND DOWEL PINS UNTIL BOTTOM OF QS-579 ARM JUST CONTACTS QS-581 PLATE. TURN QR-599 ECCENTRIC IN DIRECTION OF ARROWS UNTIL IMPRESSION WHEELS QS-341 JUST CONTACT BED RAIL. TIGHTEN 208 SCREWS IN QS-579 ARMS, REMOVE WEDGES & CHECK DISTANCE BETWEEN QS-579 ARMS & QB-581 PLATES. APPROXIMATELY .010 IS O.K.

FORM ROLLERS AND HANGERS
NO. 22 VANDERCOOK ELECTRIC PROOF PRESS
Q-525 VIBRATOR SHAFT UNIT (INCLUDES ALL BUT TUBE & CRESCENT)
Q-518 VIBRATOR TUBE (WITHOUT RUBBER)
Q-319 VIBRATOR TUBE (WITH RUBBER COVERING)

LUBRICATION
KEEP CRESCENT & WORM WELL COVERED WITH VASELINE AT ALL TIMES.

Q-529 VIBRATOR (COMPLETE WITH RUBBER COVERING)

TURN VIBRATOR TUBE THIS WAY AS FAR AS POSSIBLE & REMOVE THREE NO.24 FIL. HD SCREWS WHICH HOLD QR-581 CAP IN PLACE. NOW BY TAPING QR-569 COLLAR ENTIRE SHAFT & QR-581 CAP MAY BE DRIVEN OUT FAR ENOUGH TO ALLOW CRESCENT QS-565 TO DROP OUT. COVER CRESCENT & WORM THOROUGHLY WITH VASELINE BEFORE ASSEMBLING.

OLD AND NEW STYLE VIBRATORS
NO.22 VANDERCOOK ELECTRIC PROOF PRESS

U.6051

SHEET NO.94A
VANDERCOOK Proof Presses

**NO. 219 PROOF PRESS**

Over one thousand of these presses are in use by photo-engravers, electrotypers, typesetters and printers throughout the world. Has power ink distribution and changeable inking units. Will produce the finest color and black and white proofs. Highly recommended for reproduction proofs and Pre-makeready work.

**SPECIFICATIONS**
- Bed Size 19" x 41/4". Maximum Sheet 18 3/4" x 26".
- Maximum Plate or Form 18" x 24". Floor Space 29" x 10 7/8". Two Form Rollers 3" diameter x 18" face. Net Weight 2000 Lbs. Crated Shipping Weight 2600 Lbs.

**NO. 232P PROOF PRESS**

Full power operation with changeable inking units. Will prove two plates or forms up to 15 1/2" x 28" in the same or different colors on one or two sheets or a single plate or form up to 31 1/2" x 28". The change from one color to two color work is made in a few minutes by merely substituting two split vibrators for the solid vibrators. It is not necessary to use cut form rollers. Unexcelled for color proving and Premake-ready work.

**SPECIFICATIONS**
- Bed Size 32 1/4" x 50". Maximum Sheet 32" x 30".
- Maximum Plate or Form, one color 31 1/2" x 28".
- Maximum Plates or Forms, two color 15 1/2" x 28".
- Floor Space 4' x 10 3/4". Two Form Rollers 4 1/2" diameter x 31 1/2" face. Net Weight 4450 Lbs. Crated Shipping Weight 5450 Lbs.

**NO. 604 VANDERCOOK 4-COLOR HIGH-SPEED PROOF PRESS**

Designed to duplicate the wet printing process of 4-color production presses, as well as speed up proving of 4-color plates. Will ink, frisket and print a 4-color proof within two seconds between first and last color—and provides the fastest means of producing from 1 to 1000 4-color proofs. Plates are inked immediately ahead of the impression. Has a Control Panel at feed board with push buttons to start, stop and reverse the press—also four knobs to select the color or any combination of colors to be printed. Automatic frisket and new type Quick Wash-up Ink Fountains.

**SPECIFICATIONS**
- Bed Size 27 1/2" x 21 3/4". Maximum Sheet 26" x 24". Maximum Plate or Form 25" x 21 3/4". Floor Space 4' x 23'.
**NO. 23 "SAFE ELECTRIC" PROOF PRESS**

Capable of delivering up to 40 good galley proofs per minute with complete safety, since press is equipped with positive-action Safety Bar, which stops press instantly upon contact with any obstacle, operator’s hands or work-up of any kind. Used principally by larger newspapers for both editorial and ad proofs; also by commercial plants for high speed proving of straight matter and made-up pages. The Special Vandercook three-density, vulcanized rubber impression cylinder will give good proofs of forms on galleys that vary considerably in thickness.

**SPECIFICATIONS**

Bed Size 15” x 26”. Maximum Sheet 14¼” x 30”. Maximum Form 14” x 26”. Floor Space 3’ x 4’9”. Net Weight 1800 Lbs. Crated Shipping Weight 2100 Lbs.

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**NO. 325G POWER PROOF PRESS**

For commercial plants. Full power operation with Automatic Sheet Delivery and Ink Fountain. Will produce excellent proofs with close register on sheets from 4” x 6” up to 24¼” x 27” at 1000 per hour. For hair-line register, grippers are opened with a foot pedal and sheets fed directly to guides on cylinder.

**SPECIFICATIONS**

Bed Size 25” x 46¾”. Maximum Sheet 24½” x 27”. Maximum Form 24” x 24½”. Floor Space 3’9” x 9’10”. Net Weight 3200 Lbs. Crated Shipping Weight 3700 Lbs.

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**NO. 325A POWER PROOF PRESS**

The No. 325A is identical to the No. 325G excepting that it is equipped for newspaper plants. Will produce 1000 proofs per hour of newspaper pages in type-high stereotype chases without printing the chase. Extra equipment includes: (1) Iron Raising Blocks to bring bed of press up to height of make-up trucks. (2) Automatic Inking Roller Trip to lift inking rollers over foot of type-high stereotype chases. (Head of chase does not print because it is beyond printing line. Grippers are below printing line of cylinder and therefore do not strike high chases.) (3) Adjustable Bed for easy transfer of pages from truck to press and back without turning truck.

**SPECIFICATIONS**

Bed Size 25” x 46¾”. Maximum Sheet 24½” x 27”. Maximum Form 24” x 24½”. Floor Space 3’9” x 9’10”. Net Weight 3200 Lbs. Crated Shipping Weight 3700 Lbs.
NO. 325A
HAND PROOF PRESS

For newspaper plants. Automatic Inking. Will prove full newspaper page in type-high stereotype chase without printing the chase.

SPECIFICATIONS
Bed Size 25" x 46½". Maximum Sheet 24½" x 27½". Maximum Form 24" x 24½". Floor Space 3'4" x 7'9". Crated Shipping Weight 2400 Lbs.

Ordering Instructions
Give height of Make-up Trucks and send a proof of the page and type-high stereotype chase. Proof must show outlines of page and inside and outside outlines of chase.

NO. 325G HAND PROOF PRESS

An all-purpose Proof Press—with Automatic Inking—for commercial plants. Cylinder Grippers automatically take sheets fed to guides on Feed Board.

SPECIFICATIONS
Bed Size 25" x 46½". Maximum Sheet 24½" x 27½". Maximum Form 24" x 24½". Floor Space 3'4" x 7'9". Crated Shipping Weight 2300 Lbs.

NO. 2 PROOF PRESS

Hand Inking—for proving full page newspaper pages in galleys or stereotype chases, checking small automatic press forms locked in chases and for proving large forms where small production and quality make automatic inking and grippers unnecessary.

SPECIFICATIONS
Bed Size 24" x 30½". Maximum Sheet 23½" x 26½". Maximum Form 23" x 24½". Floor Space 2'8" x 4'5". Crated Shipping Weight 1125 Lbs.

NO. 14 PROOF PRESS

Has Cylinder Grippers which are essential for best results. Hand Inking. For high grade proving where the volume does not justify automatic inking. Large enough for small automatic press forms in chases.

SPECIFICATIONS
Bed Size 17½" x 25½". Maximum Sheet 17½" x 25”. Maximum Form 16½" x 23¼”. Floor Space 2'7" x 3'9". Crated Shipping Weight 825 Lbs.

NO. 0 PROOF PRESS

Long enough for full length galley. Hand Inking. For general proving for the small printer and typesetter or as an auxiliary machine in larger plants. The Special Vandercook three-density, vulcanized rubber impression cylinder will give good proofs of forms on galleys that vary considerably in thickness.

SPECIFICATIONS
Bed Size 13" x 32”. Maximum Sheet 12½" x 27”. Maximum Form 12½" x 25”. Floor Space 10'6" x 3'6”. Boxed Shipping Weight of Press 160 Lbs.; Crated Cabinet 100 Lbs.
**NO. 4 PROOF PRESS**

Widely preferred by printers, typesetters, ink and paper manufacturers throughout the world. Now redesigned and mechanically improved for the more economical production of fine proofs. Has power ink distribution, changeable inking units, Micrometer Sheet Guides and combination foot operated and automatic grippers. A convenient tray for receiving printed sheets travels with cylinder and speeds up production.

**SPECIFICATIONS**

Bed Size 15" x 35". Maximum Sheet 14½" x 20". Maximum Form 14" x 18". Floor Space 22' x 6'6". Crated Shipping Weight 1,550 Lbs.

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**NO. 4T FOR TRANSPARENT IMPRESSIONS**

The No. 4T Vandercook produces sharp impressions, printed on both sides of transparent material, that are used as positives in the preparation of offset plates and gravure cylinders. The No. 4T is the same as the No. 4 except that it has a cylinder ground to take an offset blanket and is equipped to print transparencies in perfect register. It may also be used for regular proofs by removing the offset blanket and packing cylinder with regular tympan paper.

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**HACKER GAUGES**

**NO. 8 PLATE GAUGE**

For measuring of flat and curved plates under printing pressure. Has convenient foot lever to raise and lower pressure head, thus leaving both hands free. Used by electrolyte foundries, stereotype moulders, newspapers and printers.

**SPECIFICATIONS**

Depth of throat 13½". Measures flat plates up to 26" wide. Will measure curved plates from largest diameter down to 6" and of any arc up to semi-circle. Will measure any thickness from 1½" down to .001" under printing pressure. Floor Space 18" x 24". Crated Shipping Weight 350 Lbs.

**TYPE GAUGE**

In gauging type, dial is set at zero on a .018" Setting Gauge. Type or linotype slugs are placed in holder and adjusted to center under the plunger. Indicator shows errors in thousandths, plus or minus.

**SPECIFICATIONS**

For measuring height of all slugs and single types. Beach space 6½" x 5½". Boxed Shipping Weight 20 Lbs.

**NO. 9 PLATE GAUGE**

Heavily constructed and recommended for the average printing plant. Has easily interchangeable bases for either flat or curved plates, and is operated by a hand lever. Measures under printing pressure.

**SPECIFICATIONS**

Depth of throat 9½". Measures flat plates up to 18" wide. No limit to length. Will measure curved plates from largest diameter down to 6". Will measure any thickness from 1½" down to .001" under printing pressure. Beach Space 10" x 12". Boxed Shipping Weight 110 Lbs.

**NO. 6 PLATE GAUGE**

Has sufficient capacity for testing the majority of plates; also for measuring paper, metal, board, bed bearers, cylinder packing, and other materials.

**SPECIFICATIONS**

Depth of throat 6½". Measures flat plates up to 12" wide. No limit to length. Will measure any thickness from 1½" down to .001" under printing pressure. Beach space 10½" x 14". Boxed Shipping Weight 80 Lbs.

**UNDERLAY PAPER CABINET**

Has 10 compartments for 9" x 12" paper, from .001" to .010" in thickness. Steel surface plate used to check plates for rock; brush and special paste for applying underlay. 12½" wide x 25½" long x 8½" high. Surface Plate 7½" x 12½". Boxed Shipping Weight 55 Lbs.

**SLUG GAUGE**

The thickness of linotype slugs can be definitely checked under form squeeze on the Hacker Slug Gauge.

**SPECIFICATIONS**

Beach Space 5½" x 8½". Shipping Weight 20 Lbs.

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**VANDERCOOK & SONS, INC.**

Chicago Display Room—1st Fl. Transportation Bldg., 630 S. Dearborn
Eastern Branch—216 East 45th Street, New York 17, New York

PRINTED IN U.S.A.
You are invited
to visit this Vandercook Display Room...conveniently located in downtown Chicago, on the Ground Floor of the Transportation Building, 630 South Dearborn Street...to discuss your proving problems as well as obtain information regarding Vandercook Proof Presses and other Premakeready Equipment.
Visit this showroom on the Ground Floor, Transportation Building, 630 South Dearborn Street, Chicago, at your earliest convenience—even though you may not now be interested in additional equipment. It is easily reached by all means of transportation—and your visit will be most welcome.
Reproduced above are various views of our plant in Chicago, where Vandercook Proof Presses and other Premakeready Equipment are manufactured. In the center is shown an exterior view of the plant. The remaining views give a glimpse of our Heavy Machine Tool Section and our Air Conditioned Tool Room, Engineering and Inspection Departments.