

**DIRECT FROM FACTORY
AT LOW FACTORY PRICES**

IDENTIFICATION TAGS, BANDS & SUPPLIES

**FOR POULTRY, TURKEYS,
PELT, FISH AND GAME**



WING
&
MARK

ELIZABETH
VELLEGA

BODAN

1242

100104

60
C. BAKER
802-766-1500

48

7

GA E322183

SAMPLE
WING BAND
STYLE 105A
411

SPON SIZE 4

16302

16

55958

16

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SPON SIZE 4

16302

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LEG BANDS FOR IDENTIFICATION OF

LEG BANDS — Aluminum, Colored Aluminum, Brass or Copper

ATLAS SEAL



STYLE 1-305 — Individual Sizes 9, 11, 13, 14 or 16

ATLAS SEAL — Adjustable



STYLE 1-305A — Adjustable for sizes 9, 11 and 13

STYLE 1-305AL — Adjustable for sizes 13, 14 and 16

FEATURES STRONG
TUBULAR RIVET SEAL

MATERIALS:

Heavy Gauge Aluminum 3/8 wide, Aluminum bands at list prices; for colored aluminum bands (Red, Blue, Green, Yellow, Orange, etc.).

NUMBERING AND STAMPING:

Prices include large, clear, embossed consecutive numbers. Numbered high as desired in even hundred series — 1 to 100, 101 to 200, etc. No sets broken. For special name stamping see page 6.

PLAIN BANDS:

Same price as numbered bands.

USES:

Used extensively by State Departments of Agriculture, Hatcheries, etc., for identifying certified, accredited and blood-tested flocks.

SIZE CHART

SIZE	LD.	BREED
9	9/16"	Leghorns, Mediterranean Breeds
11	1 1/16"	Rocks, Reds, Leghorn Cooks, American Breeds
13	1 3/16"	Asiatics, Langshans, Orpingtons, American Cooks
14	1 4/16"	Turkey Hens, Extra Large Cooks
16	1 5/16"	Turkey Toms

MINIMUM QUANTITY 100 — When Ordering Specify Style, Size, Color and Numbering Desired.

NATIONAL ADJUSTABLE



STYLE 1-15 — Standard Adjustable for 9 Mediterranean, 11 American and 13 Asiatic Female Breeds.
STYLE 1-15L — Large Adjustable for 13 Asiatic Males, extra heavy breeds, 14 Turkey Hens and 16 Turkey Toms.

MADE OF ALUMINUM — 1/2 inch wide . . . large clear embossed numbers . . . secure tongue and slot fastener. A popular, inexpensive leg band for Trapping, Blood-Testing, and Culling. Easily applied, adjustable to fit all breeds. Numbered up to 10,000, and carried in stock for immediate delivery in sets of numbers — 1 to 100, 101 to 200, 201 to 300, etc., in even hundred series — no sets broken.



Packed 100 Bands
to a box.

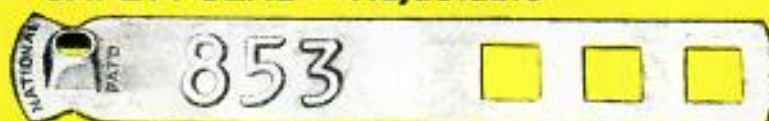
SAG-PROOF LEG BANDS

SAFETY SEAL



STYLE 1-851 — PATENTED SQUARE SAG-PROOF SEAL
Available in Individual Sizes 9, 11, 13, 14 or 16.

SAFETY SEAL — Adjustable



STYLE 1-853 — Adjustable for sizes 9, 11 and 13.
STYLE 1-853L — Adjustable for sizes 13, 14 and 16.

MINIMUM QUANTITY — 50,000

SAG-PROOF:

The patented National leg band feature that gives additional strength and security — avoids rough edges and dangerous staggered ends. Sag-Proof entirely eliminates "sagging", a shearing action around the rivet that weakens or breaks the band and is the principal cause of lost records. Before breaking, the band often pinches or cuts the leg, crippling the bird. Eliminate "sagging" hazards — insist on National "Sag-Proof" Bands.

TAMPER-PROOF

Assures Positive
Identification

BANDS CANNOT BE
REMOVED WITHOUT
DESTROYING THE SEAL!

SAG-PROOF

Prevent
This

SAGGING

A common fault with
ordinary leg bands.



Strung Consecutively
100 Bands on
a Wire.

POULTRY, TURKEYS AND GAME BIRDS

NATIONAL BAND & TAG CO. Newport, Ky.



SPIRAL LEG BANDS

Made of the best quality heavy, round, colored plastic rod; resilient, springy, non-brittle — with full lap. Stays on much better than lightweight bands. Colors will not fade, stands up under long and continuous usage.

PACKING:

STANDARD — Number 2107 size and smaller 100 loose to a bag. 2108 and larger — 50 loose to a bag. All sizes packed of one color and size — no bags broken — minimum quantity 100 bands.

BULK — 500 loose bands of one size per box or bag — any one color or assortment. Maximum 5 colors with a minimum quantity of 100 per color.



SINGLE FOLD:

Is one and one-half turns of Plastic rod.



DOUBLE FOLD:

Is two complete turns of Plastic rod.

SAVE!!

Also Available — 10,000 loose to a carton — all one size, or 10 bags per carton.

SIZE CHART

Size	Breed	Weight (per (M))
4	Baby Chicks	1/5 lb.
5	Small Size Pigeons	1/4 lb.
6	Gr. Chicks and Med. Size Pigeons	1/2 lb.
7	Bantams, Large Size Pigeons	3/4 lb.
8	Leghorns, Anconas, Guineas	1 lb.
9	Large Leghorns, Games, Ducks	1 lb.
10	Minorcas, Wyandottes, Crossbreeds	1-1/4 lb.
11	Rocks, Reds	1-1/2 lbs.
12	Orpingtons, etc.	2 lb.
13	Brahmas, Langshans, Large Ducks, etc.	2-1/4 lbs.
14	Turkey Hens, Large Males, Geese	2-1/2 lbs.
16	Turkey Toms	3-1/4 lbs.

SIZE INFORMATION

The size number of the spiral band represents the inside diameter. Example: Size 4 is 4/16" dia. Size 5 is 5/16" dia. — etc. up to size 16 is 16/16" or 1" dia.

BANDETTE LEG BANDS

COLORS: RED, BLUE, GREEN, YELLOW

Heavy gauge colored plastic with large, clear, easy-to-read numbers. Easily applied. Stays on for material is heavy enough to hold its shape. Furnished in sets of consecutive numbers — 1 to 25, 26 to 50, 51 to 75, etc. of one color and size — no sets broken.

4 Digit Numbers available on Bandettes, all sizes.
Add 2 weeks shipping time.

When Ordering Specify Style, Color and Numbering Desired.



MINIMUM QUANTITY — 100 Bands per size.

Expanding tool available for applying styles 902 and 902½.

For use on poultry, see size chart above, for use on game birds, see size chart, page 14.

PLASTIC COIL BANDS

COLORS: RED, BLUE, GREEN, YELLOW, ORANGE, BLACK, BROWN OR WHITE.

Available in small sizes only for breeding and hatching designation of game birds, particularly quail and birds of similar size.

FOR USE ON POULTRY — See size chart above. For use on game birds, see Size Chart page 14.



PACKED: 50 of a size per color to a string. No sets broken.

LEG AND WING BANDS & SUPPLIES FOR

WING BANDS: ALUMINUM OR COLORED ALUMINUM (Red, Blue, Green, Orange or Yellow, etc.)

ATLAS SEAL Features Tubular Rivet



Numbering and stamping; Prices include large clear consecutive numbering, as high as desired in even hundred series 1 to 100, 101 to 200, etc. No sets broken. For Special Name stamping — see price list.

PACKED

On wire — 500 to Box. Not on wire — 100 to box.



Style 1-8905
Round End
Closed Top Rivet



SIZE 3 ONLY
Style 1-8907
Round End
Open Top Rivet



Style 1-8904
Pointed End
Closed Top Rivet



SIZE 3 ONLY
Style 1-8906
Pointed End
Open Top Rivet



CORRECT WING BAND POSITION

Diagram shows the correct applied position for all types of wing bands.

ADJUSTABLE LEG & WING BAND



STYLE 1-5321 — Secure tongue and slot fastened... adjusts from 1/4 inch to 1/2 inch diameter. Applies on leg or wing.



PACKED: On wire — 500 to a Box. Not on wire — 100 to a Bag.

TURKEY - WING TAGS



LARGE SIZE

1-7/16" x 3/8"
inside measurements when sealed



SMALL SIZE

7/8" x 1/4" inside measurements when sealed

TAMPERPROOF STYLES

Two sizes — self piercing! Self-sealing! For half or full-grown turkeys. Provide permanent identification. Reinforced piercing point.

Applied in one swift operation.

STYLE 1-49

Manufactured from .035" thick Double-Bright Plated Steel measuring 1/8" wide by 1-3/4" long when sealed. Width of material 3/8". Closed sealing Unit. Prevents tampering and removal of tag without detection! Point wraps securely around crossbar inside the sealing unit making it virtually impossible to remove & reuse the tag. Uses 1-49S standard type applicator or 1-4S POW-R-CEPS applicator.

STYLE 1-681

Available in either lightweight .036" thick tempered aluminum or .030" thick Double-Bright Plated Steel. Measures 5/16" wide and 1-1/8" long when sealed.

- Sharp point pierced easily, quickly, cleanly!
- Patented countersunk slot guides point into a perfect clinch every time. Packed consecutively 25 tags on holder.
- Uses standard applicator 1-681S.

NOTE: Both style tags are available in various colors — red, blue, green, yellow, orange, pink or special finishes. Write for prices.

IMPORTANT: Our National tags are designed to function perfectly when piercing through an ear, wing web, etc. The piercing through ear, tissue, cartilage, wing web, etc. plays an important role in assurance of perfect tag functioning. The sealing of tags with a plier or applicator without actual piercing or application through or to anything whatsoever could result in malfunctioning of the tag.

DOUBLE END CLINCH



Style 1-3751 — Round End. Individual Sizes 1, 2, 3 or 4.



PACKED

On wire — 500 to Box. Not on wire — 100 to Bag



Style 1-3750 — Pointed End. Individual Sizes 1, 2, 3 or 4.



MATERIALS:

Heavy Gauge Aluminum 13/64" and 1/4" widths. Consecutively numbered or plain (no numbers). Aluminum bands at list prices. Colored bands — see extra charges on price list. Colors do not chip — will not fade.

PLAIN BANDS (bulk packed)

No numbering or stamping — same pricing as numbered bands.

MINIMUM QUANTITY

100 BANDS PER STYLE & SIZE.



NATIONAL'S "C-LESS"

- Superior Construction — Tempered material provides sufficient rigidity to maintain shape!
- Easy Application — Attachment holes are properly aligned and of adequate size!
- Permanent — Manufactured from non-rusting materials!
- Economical — Mass production methods lower the cost — COMPARE THE PRICES!

Obstructs the "straight-ahead" vision necessary for picking — the bird retains full vision to either side at an angle or below the beak enabling it to pick downward.

MINIMUM QUANTITY — 100

FOR LARGER QUANTITIES, WRITE FOR SPECIAL LOW PRICES.



CHICK TOE PUNCH

Clamp punch. Cadmium plated. Punches clean hole. For marking the web of chick's toe with a small hole — for identification purposes prior to banding.



NATIONAL SEALING PLIERS

For Band Style	Use Plier No.	For Band Style	Use Plier No.
1-305	1-305S	1-8906	1-890S
1-890N	1-890S	1-8907	1-890S
1-893	1-893S	1-681	1-681S
1-8905	1-895S	1-49	1-49S or 1-4S
1-8904	1-895S	1-851	1-305S
		1-853	1-305S

WING BANDS FOR IDENTIFICATION OF



NATIONAL BAND & TAG CO.

Newport, Ky.

"Jiffy" **SPEEDY** tamper-proof WING BAND

SELF-PIERCING + QUICK-SEALING

STYLE 893

SPECIAL "JIFFY" WING BAND FEATURES



LIFE-TIME IDENTIFICATION FOR DAY-OLD CHICKS

PERFECT SEAL — PERMANENT IDENTIFICATION

NATIONAL "JIFFY" Wing Bands stay in position, any attempt to remove band breaks scored piercing point, making it impossible to re-use band. Affords the same protection as a sealed band; has sharp reinforced piercing point, and a patented, concealed locking structure, featuring a strong cross-bar locking unit.

- TAMPER-PROOF
- EXTRA-FAST
- SELF-PIERCING
- QUICK-SEALING

PLAIN OR COLORED ALUMINUM — Red, Blue, Green, Yellow, etc.

ONE SIZE ONLY: Same as size 3 wing band for poultry. Approximately 13/64" wide x 5/32" high (inside) x 11/16" long (inside) when sealed.

MATERIALS: Heavy Gauge Aluminum 13/64" wide. Aluminum bands at listed prices. See additional charges for colored bands.

NUMBERING & STAMPING: Price includes large, clear stamped consecutive numbers. Numbered high as desired in even hundred series — 1 to 100, 101 to 200, etc. No sets broken. For special name stamping see extra charges. Plain bands — no numbering or stamping (bulk packed) — same price as numbered bands.

USES: Used extensively by State Departments of Agriculture, Hatcheries, etc. for identifying certified, accredited & blood-tested flocks.

MINIMUM QUANTITY 100 — Shipping weight 1-1/4 lb. per 1000.

CORRECT WING BAND POSITION



Diagram shows the correct applied position for the **JIFFY** WING BAND.

JIFFY BAND APPLICATOR



Quick — easy to use. NATIONAL'S specially designed plier, No. 1-893S, holds band so that by simply squeezing the handles, "Jiffy" wing band's sharp point pierces the wing and is permanently sealed in one operation.

Shipping Weight 1/4 lb. Each

HANDY PACK



In consecutive Number Series "Jiffy" Wing bands packed as illustrated in consecutive order on tubes; 25 to tube, 100 bands (4 tubes) to a box. Plain bands (No numbers) packed in bulk.

STEEL LETTERS and FIGURES



For lettering and numbering National Leg and Wing Bands. Gothic style 1/16", 1/8" and 1/4" sizes. Durable and guaranteed. Each set packed in wood box.

Be Sure To State Size Desired



NATIONAL BAND & TAG CO.

Newport, Ky.

NO PLIERS NEEDED! APPLY COMPLETELY BY HAND

TAB-END ZIP WING BAND

APPLY TO WEB OF WING...
WITHOUT TOOLS!

NOW AVAILABLE IN BRILLIANT ANODIZED COLORS!!

Red, Blue, Green, Yellow, Orange, etc.

STYLE 898
Size 3

Approximate Actual Size
All bands 13/64" wide

MATERIAL . . . PLAIN OR COLORED ALUMINUM

STEP 1

Thread pointed end through wing web.

STEP 2

Push tab through hole and bend.

STEP 3

Bend tab and point up or down as desired.



This is what some leading breeders say about . . .

TAB END ZIP WING BAND

"A real time saver"

"Once clinched, it becomes very difficult to pull apart"

"Completely adaptable for many, many banding programs"

SPECIAL STAMPING OR EMBOSSING. . . .



Some bands are available with special name or insignia stamping or embossing. Each lot of identically marked bands of a particular size and style is considered a separate unit and priced accordingly. See accompanying price list for additional details.

NOTE: Full remittance must accompany orders for Special Stamped Bands. Orders in process of manufacture are not subject to cancellation unless we are reimbursed for the material and labor involved.

If stamping requires a special die (script lettering or unusual imprint) — an extra charge is applicable. We will quote.

WING BANDS SIZES AVAILABLE



Size 2.75
(Available in Styles 898 & 890N only)



Size 3
(Available in Style 890N, 893, 898)



Size 3-1/2
(Available in Style 898 only)



Size 4
(Available in Style 890N, & 898)



NATIONAL BAND & TAG CO.

Newport, Ky.



How to wing band a day old chick permanently for life



Hold chick in left hand with tip of right wing between thumb and forefinger. Hold chick's head between second and third finger.

With band between thumb and forefinger of right hand, push band through web of wing directly at the elbow joint, being careful not to puncture flesh or tear the tendon at the leading edge of the wing.

Band as applied before clinching . . .



With thumb and forefinger of the left hand close the band until the rivet is inserted into the hole of the band.

While holding band closed, clinch the rivet with band pliers.

Turn band with rivet under wing. This will not allow the band to turn over end of wing.

PHOTOS COURTESY OF
HY-LINE INTERNATIONAL, DALLAS CENTER, IOWA



NATIONAL BAND & TAG CO.

Newport, Ky.

WING BANDS FOR IDENTIFICATION OF POULTRY, TURKEYS AND GAME BIRDS



NEW! IMPROVED!

STYLE 890N

WORLD'S SAFEST WING BAND! FOR PERMANENT IDENTIFICATION



STYLE 1-890N "ZIP"
13/64" wide

PLAIN OR COLORED ALUMINUM

Red, blue, green, yellow. Other colors — limited availability — write for details.

1. They have broken all records for safety in chick identification.
2. Everywhere, here and abroad, authoritative poultrymen enthusiastically endorse them as the most efficient and economical wing band.
3. They're permanent — stay placed. The loss of a band has never been called to our attention.
4. They reduce the cost of banding. With "ZIP", two or three chicks can be banded in the same time formerly required to band one.
5. Sale of "ZIP" wing bands have exceeded all other styles combined.
6. You need them for perfect chick identification.

ZIP WING BAND EASILY PIERCES THE WING:

Furnished with tubular rivet fastener. Once applied, permanently sealed. "ZIP" Wing bands save time. Ready shape design; plus sharp piercing point, enables banding as many as three chicks in less time than banding one with most any other style band.

MATERIALS: Heavy Gauge aluminum 13/64" wide.

Consecutively numbered or plain (no numbers) aluminum bands at list prices; for colored band see additional charges on price list. Band colored with best quality **baked enamel**.

NUMBERING AND STAMPING:

Price includes large, clear, stamped consecutive numbers. Numbered high as desired in even hundred series — 1 to 100, 101 to 200, etc. No sets broken. Special name stamping priced extra — see price list. Plain bands — no numbering or stamping (bulk packed) — same price as numbered bands.

IN THESE SIZES:

2.75 for small poultry, 3 for poultry and 4 for turkeys.

MINIMUM QUANTITY — 100.

Shipping weight 1 1/2# per 1000.

SEALING PLIER:

Can be sealed with our style 890S sealing plier or any flat nosed plier.

PACKING



Illustrated packing of "ZIP" wing bands — Twenty-five (25) bands are arranged in numerical order on triangular tubes. ANOTHER NATIONAL "EXTRA" making banding easier, faster.

SEALING PLIERS



LEG BANDS FOR GAME & MIGRATORY BIRDS



NATIONAL BAND & TAG CO.

Newport, Ky.

RECOMMENDED FOR LIVE BIRDS

• ALUMINUM BUTT END LEG BANDS

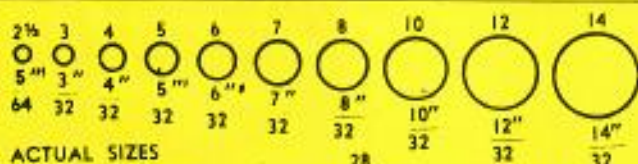


Style 4-1242



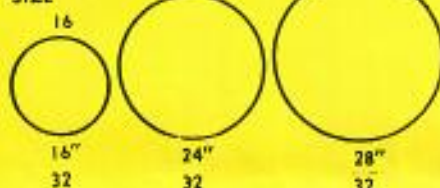
Style 4-1242S

NOTE:
Each size band requires special plier for that particular size.



ACTUAL SIZES

SIZE



NOTE:
Shown are actual diameters of this style band. Select proper size to afford a comfortable fit on birds you wish to identify. For assistance in selection of proper size bands, see Size Chart on page 14.

Made of tempered aluminum with clear, easy-to-read numbers. Furnished in a turned-in circle as shown — strung in numerical order on wire, 100 bands per wire. Used by State Fish & Game Departments and Federal Conservation Agencies. Highly recommended for banding all sizes and varieties of game birds.

Can be specially stamped with initials or lettering — see charges on price list. Also consecutively numbered. Easily applied with plier (Style 4-1242S); tapered nose permits bands to be opened. (Circular opening of plier affords easy sealing. Once applied, these bands stay put. Available in plain or colored aluminum (red, blue, green and yellow).

Can also be supplied in sizes 18, 20 and 22 (write for prices).

Size chart on page 14 lists various breeds and birds for each size band.

When ordering specify style, size, numbers & stamping required. Also mention breed or variety of birds you intend to band.

NOTE: Each size band requires special pliers that cannot be used for more than one size band. **Sizes 2 1/2 thru 4 pliers closes bands only.**

• ADJUSTABLE LEG BANDS — TWO STYLES



Style 4-381: (one hole) — An individual size band for pheasants.

Style 4-384: (three holes) — An adjustable band — in Standard size, adjustable to sizes 12, 14 and 16 for pheasants and birds of similar size. Or in large size adjustable to sizes 20, 22 and 24 for geese, turkeys and birds of similar size.



Style 4-1614G:

Style 4-1614: A slot and tongue fastener — normally used for Quail identification. Can be furnished with license numbers, initials or year date.

Adjustable Leg Bands made of aluminum with stamped numbers. Secure tongue and slot fastener. Prices include consecutive numbering. Can be stamped with initials or lettering — see price list for extra charges.

PACKAGING:

Normally 100 to envelope. Can be strung on wire in consecutive series — see extra charges.

MINIMUM QUANTITY:

100 Per Style and Size.

CONSECUTIVE NUMBERING:

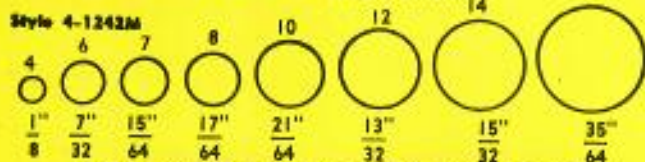
Prices shown on price list include consecutive numbering for all styles except 4-1614G. For numbering on this style, see extra charges per price list.

When ordering, specify style, size numbers and stamping required. Also mention breed or variety of birds you intend to band. Be sure to select the proper size to afford a comfortable fit on the birds you wish to identify. For assistance in selection of the proper size bands, use Size Chart on page 14.

• MONEL METAL BUTT END TAGS — FOR FISH & SMALL ANIMALS



Actual Inside Diameters — Choose Size Best Suited For Your Requirements.



(Also available in a size 5, not shown above)

Style 4-1242M

Used as leg bands for small animals and rodents — also as jaw tags for fish. Manufactured from rustproof Monel metal. Can be consecutively numbered and specially stamped; the extent of which is governed by the size of the tags. For stamping charges — see price list. Special plier with tapered nose easily opens bands. Pliers available to both open and close size 5 and up. **SIZE 4 PLIER CLOSES BANDS ONLY.** Bands are inserted in circular opening of plier and closed into solid circles. **EACH SIZE BAND REQUIRES ITS OWN SIZE PLIER.**

When ordering, specify style, size, numbering and stamping desired.

MINIMUM QUANTITY 100 PER SIZE
(See actual sizes indicated on opposite side)

PACKING:

Style 4-1242M Monel Butt-End Tags — 100 bands in numerical order on a string.

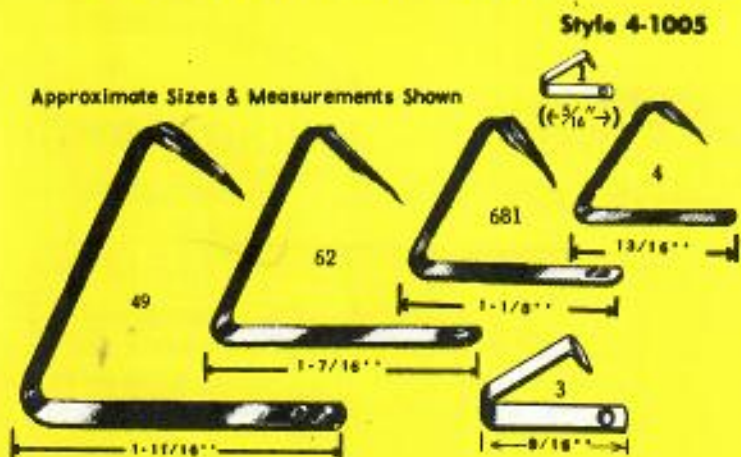
Size	I.D.	Material	No.	Size	To Identify
4	1 1/8" .195"	.020 x .140"	5	1/32"	Mice, Baby Fish
5	3/16" .180"	.020 x .140"	6	1/32"	Fingerings, Small Rodents
6	7/32" .211"	.020 x .140" .020 x 13/64"	7	1/32"	Fish up to 3 lbs.
7	15/64" .244"	.020 x .140" .020 x 13/64"	9	1/16"	Fish up to 3 lbs.

Letters & Nos. Poss.

Size	I.D.	Material	No.	Size	To Identify
8	17/64" .274"	.020 x .140" .020 x 13/64"	11	1/16"	Fish 3 lbs. to 8 lbs.
10	21/64" .336"	.020 x 13/64"	15	1/16"	Fish 3 lbs. to 8 lbs.
12	13/32" .415"	.020 x 13/64"	16	1/16"	Herring Gulls, Fish 5 lbs. to 10 lbs.
14	15/32" .479"	.030 x 5/16"	10	1/8"	Pickeral
16	35/64" .550"	.035 x 3/8"	10	1/8"	Fish 10 lbs.

When ordering, specify style, size numbers and stamping required. Also mention breed or variety of birds you intend to band. Be sure to select the proper size to afford a comfortable fit on the birds you wish to identify. For assistance in selection of the proper size bands, use Size Chart on page 14.

• SELF-PIERCING TAGS — MADE OF MONEL METAL



SPECIFICATIONS

STYLE 4-1005

- Identifies Fingerling Fish (small baby fish), (Bluegills) and small Fur Bearing Animals: Least Tern, Mink, Shrews, Muskrats, and animals of similar size.
- Identifies Fish 1 to 3 pounds, Small Animals, Rabbits, Coons, Small Foxes, Sea Otters (Ear Tagging), Toads and animals of similar size.
- Identifies Fish 4 to 10 pounds, Large Coons, Foxes, Sea Otters, (Web and Hind Foot) and animals of similar size.
- Identifies Fish 10 pounds and up — Extra Large Game Fish, Muskellunge, etc. Small Deer, Beaver, Seals and animals of similar size.
- Identifies Antelope, Large Deer, Large Sea Turtles, Large Alaskan Seals, Moose, and animals of similar size.

Use as ear tags for small or large fur bearing animals as well as for identification of fish.

For fish — apply to Caudal or Dorsal fins, or in tail. Used widely by State Fish Hatcheries for jaw tagging.

Made of rustproof Monel metal. Easily, swiftly applied in one operation with applicator. Each size tag requires its own size applicator.

PERMANENT IDENTIFICATION:

Can be specially stamped with any lettering you require, as well as consecutive numbered.

Size 62 Only — MINIMUM QUANTITY — 5000 per order.



IMPORTANT: Our National tags are designed to function perfectly when piercing through an ear, wing, web, etc. The piercing through ear tissue, cartilage, wing web, etc., plays an important role in assurance of perfect tag functioning. The sealing of tags with a plier or applicator without actual piercing or application through or to anything whatsoever could result in malfunctioning of the tag.

IDENTIFICATION SUPPLIES FOR GAME



NATIONAL BAND & TAG CO.

Newport, Ky.

NATIONAL'S SELF-LOCKING METAL GAME SEALS

- SHEET TINPLATE STEEL
 - AUTOMATIC LOCKING
 - LENGTH 8 1/4"
 - FREE EMBOSSED LETTERING & NUMBERING
- USED FOR LAW ENFORCEMENT OF HUNTING LICENSES, LEGAL LIMITS, TAGGING OF KILLED ANIMALS & BIRDS, ETC.

Style Style 4-1505 FLAT HEAD SEAL



FLAT HEAD SEALS

13 - 15 letter limit. Consecutive numbers. A low cost reliable protector used for many other purposes. Available in plain tinned finish or all over color.

Style 4-1505 GLOBE HEAD SEAL

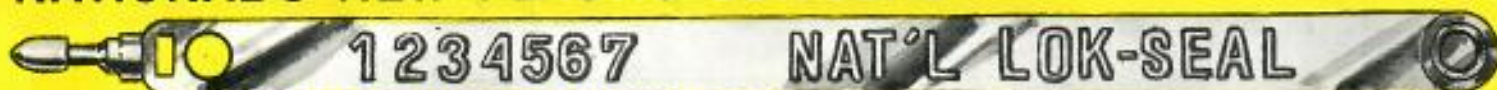


GLOBE HEAD SEALS

13 - 15 letter limit. Consecutive numbers. The Globe seal is precision built, top quality tough, sure and tamperproof. Available in plain tinned finish or plain finish with Colored Ball.

MINIMUM QUANTITY — 1000 per Style

NATIONAL'S NEW PLASTIC LOK-SEAL



NATIONAL LOK-SEAL, STYLE 4-1504P PLASTIC

LENGTH — 7-1/4". WIDTH — 3/8". RED, GREEN, MAROON, ORANGE, YELLOW, GRAY AND BLACK COLORS AVAILABLE.

ACTUAL
SIZE



PERMA LOK STYLE 400
AND 401 APPLIED WITH
APPLICATOR STYLE 402S.

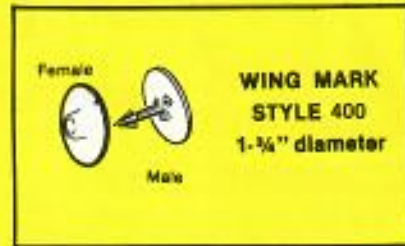
Tags Available in Yellow, White, Orange, etc.

SPEEDY TAG SYSTEM FOR BIRDS AND SMALL & LARGE ANIMALS.



STYLE 401

Numbered one
side only with
3/4" numerals.



WING MARK
STYLE 400
1-1/4" diameter

PHEASANTS - QUAIL BITS — Prevent Cannibalism



STYLE 4-1500

Saves lives of many valuable birds. Made from special alloy steel wire. Will not wear out or rust. No irregular parts to catch on wired guards, feeders or fencing. Attaches in nostril. Full instructions with each order. Easily applied with applicator style 4-1500S.

• PELT TAGS . . . All styles made from Aluminum



Solid
Tubular
Rivet

STYLE 4-8905 LAP SEAL

Tag Size — 1/4" x 2-5/8" Hole
Centers.

MINIMUM QUANTITY
1,000 TAGS

PACKING — 100 tags strung on
wire in numerical order.

**THE RIGHT TAG FOR
THE RIGHT JOB!**

Designed through recommendations from leading fur ranchers. Special 1/4" width tag easily inserted through the eye of mink pelts, yet maintains strength necessary to assure tags will remain with your pelts, and won't lose from weak seals, breakage, etc. Tag has solid rivet — can be TAMPER-PROOF sealed with any smooth flat jaw plier.

• PELT TAGS — STYLE 4-305 — LAP SEAL



WITH REMOVABLE TAG

Overall length 3-1/4" x 3/8" wide. To maintain supplemental record of pelts as disposed of or sent for processing, etc.



WITHOUT REMOVABLE TAG

Overall length 2-1/2" x 3/8" wide.

**AVAILABLE IN TWO PATTERNS —
EXTRA WIDE**

Used in fur farming for marking minks, chinchillas, foxes and all other Ranch-Bred pelts . . . To indicate ownership or for other identification purposes. Can be applied in any convenient location, will not affect or injure valuable pelts. The strong Aluminum tubular rivet seal is TAMPER-PROOF — cannot be removed and re-used without detection. Tags can be stamped with serial numbers, customer's code lettering, name and address, etc.

MINIMUM QUANTITY 100 TAGS



Style 4-3055

**SEALING
PLIERS**

ALL TAGS HAVE: Rounded ends — no sharp edges — smoothly cut. (Various lengths can be supplied on special order).

• GAME-KILL TAGS — RECOMMENDED FOR DEAD BIRDS

Available with consecutive numbering and special insignia stamping to designate private clubs, etc.



STYLE 4-305

Available in 1 1/2" or 2" center-to-center. Specify size when ordering.

**CANNOT BE
REMOVED OR
REUSED WITHOUT
DETECTION.**

Manufactured from lightweight aluminum. Cannot be removed without detection and/or reused.

Attached on either leg or wing — one size suitable for most species of game birds, such as ducks, pheasants, etc.

SEALED WITH STYLE 4-3055 PLIER

Used in regulated shooting areas, game preserves, public or private hunting clubs. For tagging legally killed game. Tags used to comply with State Game laws and "Bag Limit" regulations.



RIVET DETAIL

Note the long tubular rivet — makes sealing easy and quick.



IDENTIFICATION TAGS & SUPPLIES FOR SMALL ANIMALS

NATIONAL BAND & TAG CO. Newport, Ky.



• RABBIT EAR TAGS — SIX COLORS: Red, Blue, Green, White, Orange and Yellow



STYLE 4-41



STYLE 4-42

Small hole is made in the ear, using style 4-1538 punch (shown below), then the tag is inserted and fastened. No pinching - no crushing. Space allowed for further growth of ear. Packaged in sets of 100 - no sets broken. Standard sets supplied with 3/8" aluminum washer. Can also be furnished with 5/8" aluminum washer.

MINIMUM QUANTITY
100

These rabbit ear tags identify rabbits and small animals such as guinea pigs, raccoons, foxes, jack rabbits and rats for experimental work. Also used for fish identification, can be applied in fin or tail.

COLORED PLASTIC WASHERS

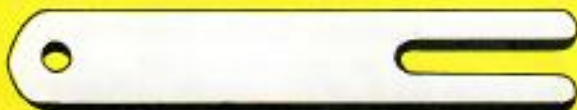
Colored plastic washers for designating sex, strain or litter by color. The aluminum washer covered with colored washer before bending the lugs. Three sizes 3/8", 5/8", 3/4". **SIX COLORS** — Red, blue, green, white, orange and yellow.

STAMPING LIMITATIONS ON STYLE 4-41 TAGS.

5 digit stamping - maximum	"A1234"
Letter limit - 2	"AB123"
Number limit - 5	"12345"

All stamping 1/16"

• EAR TAG GAUGE



STYLE 4-43

— For use when applying 4-41 Rabbit Ear tag. Gauge placed between ear and washer before bending lugs. Gauge of sufficient thickness to provide space for further growth of ear.

• EAR TAG PUNCH — Punches a clean hole — will not bruise the ear

STYLE
4-1538

A popular and practical punch for making a hole in Rabbit's ear to accommodate style 4-41 ear tag.

Made of plated steel.

• DISCONTINUED LEG BANDS FOR SHOW AND TRAPNESTING. LIMITED QUANTITIES — AVAILABLE FROM STOCK.

MASTER SEAL

STYLE 1-82 - INDIVIDUAL SIZE
STRONG ALUMINUM TUBULAR RIVET SEAL

MASTER SEAL - ADJUSTABLE

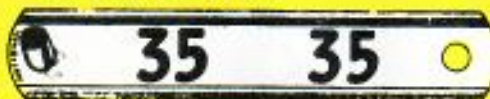
STYLE 1-83
STANDARD SIZESTYLE 1-83L
LARGE SIZE

ECONOMY TRAPNEST



SECURE TONGUE AND SLOT FASTENER

ECONOMY SEAL

STYLE 1-35 - INDIVIDUAL SIZE
STRONG LEAD RIVET SEAL

ECONOMY SEAL - ADJUSTABLE

STYLE 1-35A
STANDARD SIZESTYLE 1-35AL
LARGE SIZE

WRITE FOR DETAILS

SIZE GUIDANCE CHART - LEG BANDS FOR GAME

NATIONAL BAND & TAG CO.



BIRDS

Newport, Ky.

SIZE NUMBERS FOR:

ALUMINUM LEG BANDS STYLE 1242, 384 & 1614G.	PLASTIC LEG BANDS	INSIDE DIAMETER	TO IDENTIFY
2½	..	5/64"	
3	..	3/32"	
4	2	1/8"	Quail - 1 day to 2 weeks
5	..	5/32"	Quail - 2-4 weeks
6	3	3/16"	Pheasant Poults - 1 day to 5 weeks California Valley Quail Mexican Quail - Adults
7	..	7/32"	Quail - 4 weeks to adult average birds Mississippi Quail Massachusetts Quail Bob White Quail
8	4	1/4"	Day Old Pheasant Poults - 4-8 weeks Growing Pheasants - 4-8 weeks Quail (Adult Northern or Southern Extra Large Birds)
10	5	5/16"	Pheasant Females (Golden and Fancy Breeds - Adult) Wild Ducks (1 day - 6 weeks) Wild Geese (1 day - 6 weeks) Blue Winged Teal Hungarian Partridge Woodduck
12	6	3/8"	Adult Ringneck Pheasants (Mongolians, Chinas, English Crosses) Wild Ducks - 6 weeks to adult Wild Geese - 4-10 weeks Woodduck Ruffed Sage Grouse (Female) Chukar Partridge Gadwall Ducks Pintail Ducks Prairie Chickens Pinnate Grouse Chinese Pheasant Ringneck Pheasant
14	7	7/16"	Pheasants (Males - all breeds) Wild Ducks (Mallards, Adults - all breeds) Female Sage Grouse All Breeds - adult males Peacock Pheasants Ringneck Pheasants Mallard Ducks Baldpate and Pintail Ducks Ruffed Sage Grouse (Male)
16	8	1/2"	Grouse, Geese - 6-12 weeks Wild Ducks English Call Ducks Male Sage Grouse Peacock Chinese Pheasants Male Ringneck Pheasants
24	12	3/4"	Canadian Geese Wild Geese Wild Turkeys
28	14	7/8"	Canadian Geese (Honkers) Swans Wild Turkeys

The above size chart represents birds on which we have supplied bands as indicated. The species of a particular type bird may vary depending upon its geographic location — thus varying its size. Therefore, the above size chart is to be construed as approximate only; for the exact size, we would suggest your requesting samples which will permit your determining the size band which will be best suited for your requirements.



Newport, KY USA 41072 Ph. (606) 261-2035.
"Known the World Over"

NATIONAL BAND & TAG CO.

IMPORTANT — READ BEFORE ORDERING

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

TERMS:

Minimum order \$15.00 regardless of size, your order is appreciated and we will exert every effort to furnish your requirements promptly, efficiently and to your complete satisfaction. However, owing to abnormally high handling and packing costs, if the dollar value of your order does not total \$15.00, you will be charged the minimum of \$15.00 regardless of the total value of the items shipped.

"THE ORDERING OR AGGREGATING OF VARIOUS STYLES, SIZES, COLORS, STAMPINGS, ETC. TO QUALIFY FOR QUANTITY PRICING CANNOT BE PERMITTED, EACH LOT OF ONE STYLE, SIZE, COLOR, STAMPING, ETC. IS CONSIDERED A SEPARATE UNIT AND PRICED ACCORDINGLY"

ALL PRICES F.O.B. NEWPORT, KY.

Weights for each item are shown in the description on the supplemental price list accompanying this catalogue. Consult your local carriers to compute transportation charges from total weight. We will ship "transportation charges collect" if you prefer.

CREDIT:

For prompt shipment, customers who have not established credit with us will please send cash, money order or check for full amount. Open Account Privileges - Regular Terms - Net 30 days from invoice date will be cheerfully granted to all who send Credit References. Mention your bank, please. Sorry no C.O.D. orders permitted. Also company policy will not permit the acceptance of collect telephone calls.

DAMAGES AND SHORTAGES:

If shipment arrives damaged or short any part have the delivery agent make a notation of the shortage of damage on your express, postal or freight receipt and file your claim immediately. If we can assist you in getting settlement of claim, we shall be glad to do so. TITLE OF MERCHANDISE PASSES AT THE TIME AND PLACE OF SHIPMENT. In the case of orders involving numerous small and varied parts where checking for damages or shortages would be impractical at the time of delivery, 45 days will be allowed for placement of such claims - no claim for damages or shortages will be honored beyond 45 days after shipment from our factory.

RETURNS:

Merchandise returnable only with written permission, and is subject to a 10% charge for checking, repackaging, etc. No goods returnable after thirty days except upon special written prior arrangement. Special printed or special numbered goods are not returnable.

SERVICE:

All orders are accorded prompt attention and many are shipped within a few days. Specially stamped and printed tags are put into production immediately and shipped as quickly as possible.



COMPLETE



PRODUCTS
LINE

POULTRY & TURKEY
SUPPLIES

LIVESTOCK TAGS

INDUSTRIAL TAGS

TERMINAL TAGS

PIGEON SUPPLIES

GAME BIRD BAND
SUPPLIES

SMALL ANIMAL
TAGS

RABIES TAGS

LAB ANIMAL
TAGS

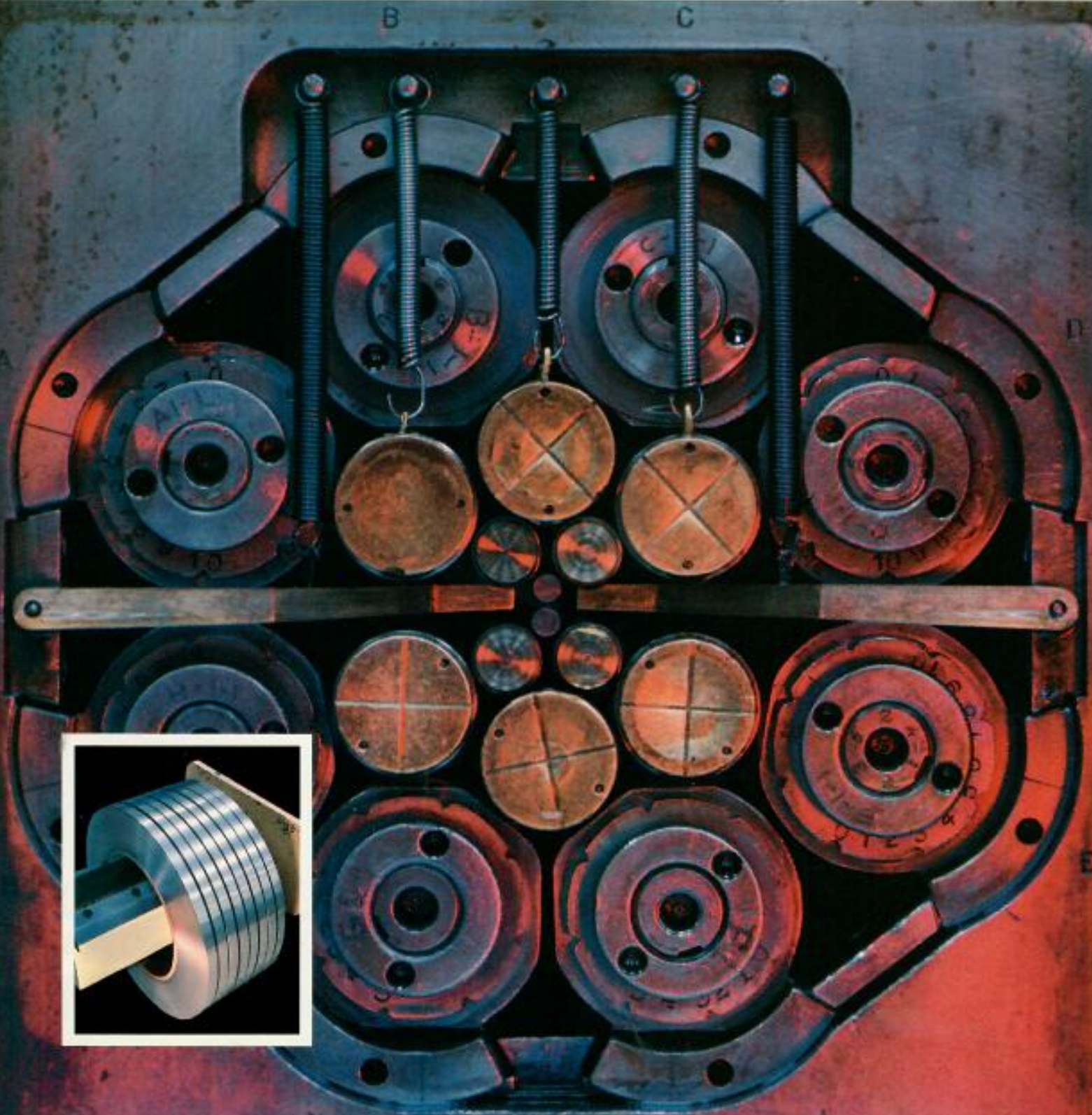
FISH TAGS

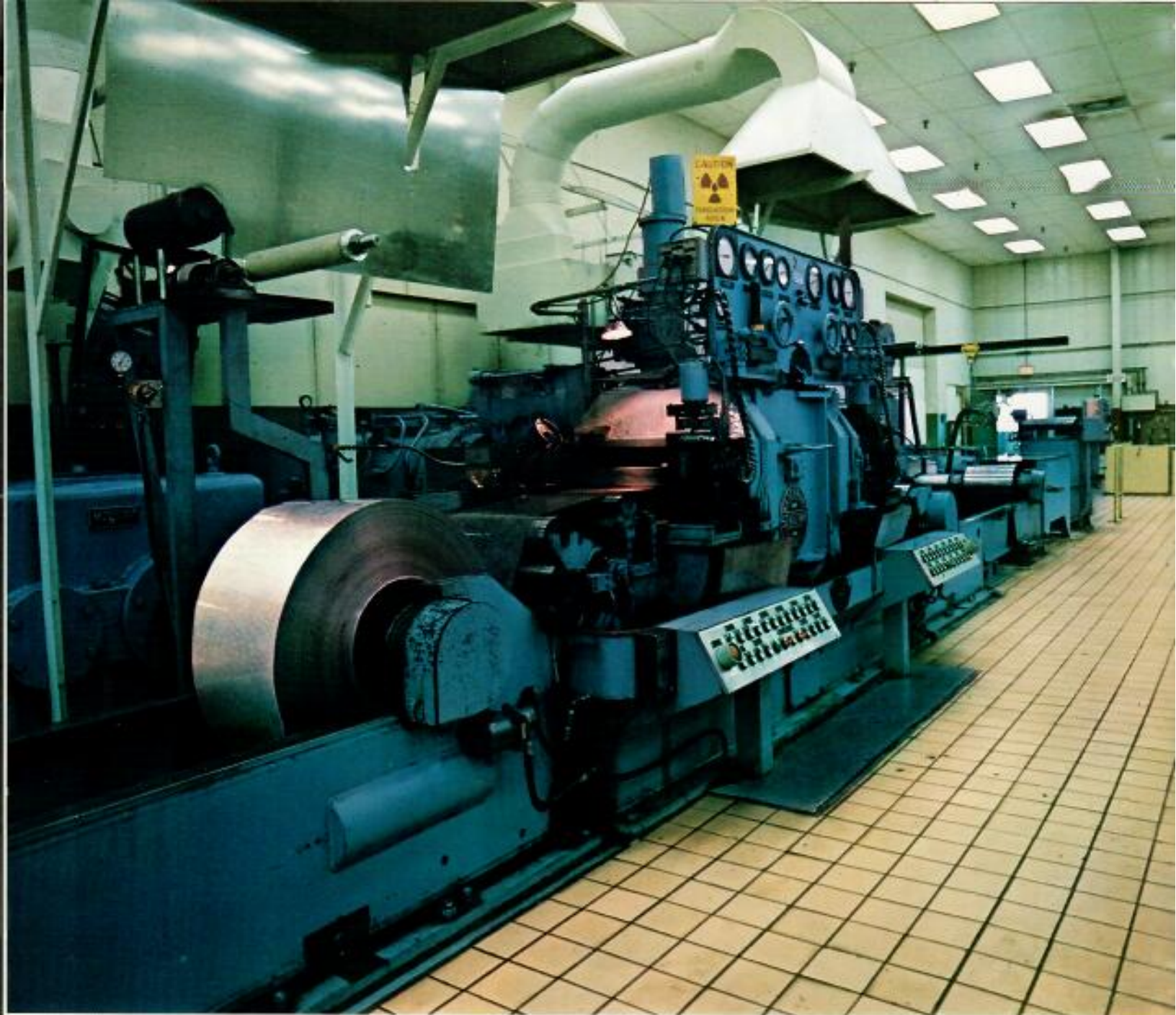
PLANT LABELS

SWIM POOL
TAGS

ARNOLD

PRECISION METAL ROLLING





*Cover: Roll cluster of 4-inch
Sendzimir mill (actual size).*

*Cover insert: Slit coils ready
for packing.*

*Above: Computer gauge
controlled Sendzimir mill.*

the micro-thin
world of Arnold
PRECISION

Since its founding in 1936, the Arnold Engineering Company has always been engineering and research oriented, pacing the industry with new products and production refinements.

In 1950 the Arnold rolling facility was established to produce extremely precise material thicknesses which could not be supplied by other rolling mills for our wound magnetic core production.

From this beginning Arnold has now built a unique facility for the ultra-precise rolling, annealing, slitting, and edging of a wide range of ferrous and non-ferrous alloys. The twenty-five years of research and development Arnold has invested in the production of extremely exact thin metal strip for our own use has created a capability that is now available to meet the needs of other industries.

Unlike most rolling mills—which consider .010" to be a thin gauge—Arnold seldom rolls anything thicker than this. Thus, what is special to most mills is standard procedure for Arnold.

As a member company of Allegheny Ludlum Industries, Inc., Arnold draws upon the resources of one of the world's largest specialty metals groups. Control extends from the research laboratories for new alloys through original melt to the finished strip.

Precision and quality

We at Arnold have gone to the utmost lengths to achieve ultimate precision and the highest possible quality. The building that houses the rolling mills is completely temperature controlled and air filtered. A level of illumination suitable for precision watchmaking ensures that the slightest surface defects are observable at every operation. Our philosophy is that accuracy and quality depend not only on the machines being used but also on the people who operate them and the environment in which they work.

We specialize in producing material to exacting customer requirements. Thus, design engineers are freed from the restriction of conventional tolerances and specifications and can design to achieve optimum performance of their products. Our own engineers and metallurgists, plus the resources of Allegheny Ludlum Research Laboratories, are available to assist our customers in meeting their needs.

*At 700X magnification—
Left: Human hair.
Right: Silt edge of .000085"
(85 millionths) Beryllium Copper.*

Some metals processed by Arnold:

*Vicalloy • Inconel • Monel • Arnavar • Remendur
• 300 Series Stainless • AM-350 • Beryllium
Copper • Nickel-iron alloys • Hastelloys •
Titanium and alloys • 17-7 PH • Aluminum and
alloys • Waspalloy • Phosphor Bronze • Vibralloys
• Carbon Steel • Electromagnetic Iron • Silectron*

Sendzimir mill work rolls for:

- ZR-32-4 (.250" diam)
- ZR-34-15 (.400" diam)
- ZR-33-17½ (1.125-1.500-2.750" diam)



ARNOLD

Precision rolling to .000085"

The heart of the Arnold precision rolling facility consists of specially modified Sendzimir mills. These mills roll metals as thin as .000085" (eighty-five millionths of an inch). By means of computer controls, tolerances as tight as $\pm .000005$ " (five millionths) can be maintained on the thinnest material.

Although the Sendzimir mill is not an unusual means of precision cold rolling, our mills have been modified and enhanced through a contin-

uous program of development to achieve quality and precision beyond the normal capabilities of this type of mill.

The automatic before-the-fact gauge control system was developed and patented by engineers at Allegheny Ludlum. Called Regal Control, the system is continuously being modified and improved here at Arnold to ensure state-of-the-art capabilities.

The use of computer controls has been a major advance in improving gauge tolerance. The addition of linearized Beta Ray gauges has given optimum instant thickness measurement and control.

Both carbide and steel rolls are used, depending on the material to be rolled and the final specification requirements. Diamond lapping of work rolls enables us to produce finishes down to one micro-inch.

A unique feature is that various sizes and shapes of mill rolls can be used to maximize flatness and minimize gauge variation across the strip width. Significantly, Arnold holds a patent in this field.

The mills vary in maximum rolled width capability from 17½" to 4" wide and in minimum thicknesses from .001" to .000085".

Because the mills are operated in a temperature controlled, virtually dust-free environment, optimum precision and consistency can be achieved through the Sendzimir design.





Production and control of a high-quality precision product are not merely a matter of inspectors and gauges but rather an attitude and commitment on the part of the company.

Arnold has always been noted for its high-quality products, and this is nowhere better seen than in our rolling facility.

A complete range of mechanical, metallurgical, electrical, and magnetic testing equipment is utilized for measuring material properties. The equipment is backed by the necessary calibration standards and devices to ensure continuously high-level accuracy of all testing. Routine measurements can be made of such parameters as tensile and compressive properties, fatigue strength, surface finish, hardness, grain size, and chemical composition. In addition, Arnold has the full support of the Allegheny Ludlum Research Laboratories, which maintain one of the most extensive metallurgical testing facilities in the world.

Quality control



Every coil that is rolled has a **strip chart record** (left) of the thickness along its entire length. In addition to this, the computer control prints out an analysis of thickness variations. Checks of thickness are also carried out by X-Ray gauges during the later slitting operations.

slitting operations.

While the quality of the product is being constantly monitored, all equipment components such as mills, furnaces, and slitters are continuously checked to ensure that they are operating at optimum capability. Even the cooling oil used on the mills, apart from being temperature controlled and filtered, is regularly analyzed to ensure freedom from contamination.

In many cases where perfection of the surface is critical, every inch of both sides of the strip is visually inspected on special rewind lines.

All aspects of the Arnold ultra-precision rolling facility are geared to production of the highest possible quality at minimum cost.



ARNOLD

Precision annealing

Many materials require intermediate or final annealing to produce the necessary mechanical or magnetic properties. The main strip anneal line in operation at Arnold combines surface cleaning with annealing.

The line cleans strip by means of alkali cleaners, scrubbing, and final rinsing in deionized water.

Annealing can be done at a range of temperatures up to 2250°F in a variety of protective atmospheres, such as, hydrogen, argon, nitrogen, dissociated ammonia, and dissociated natural gas. The dewpoints of these gases can be maintained as low as -80°F to ensure purity of the atmosphere.

This anneal line, custom-built to Arnold specifications, also utilizes a computer to maintain tension control in the strip throughout the line.



Precision edging

In some cases it is necessary to have a shaped edge on the material for such reasons as increase of fatigue life and greater safety in handling. To provide this, Arnold has developed edging equipment which can handle material as thin as .002" and as narrow as .060".

Products with full-round, broken-corner, or partial-radius edges can be provided.



Precision slitting

A critical operation in producing thin gauge metal strip is slitting it to the width required for end use. Apart from ensuring that the width is accurate, it is necessary to minimize the burr, camber, cross bow, and damage to the material.

Arnold's many years of experience in slitting for our own production needs have enabled us to design, and have built to our specifications, slitting equipment incorporating the features found to give optimum results.

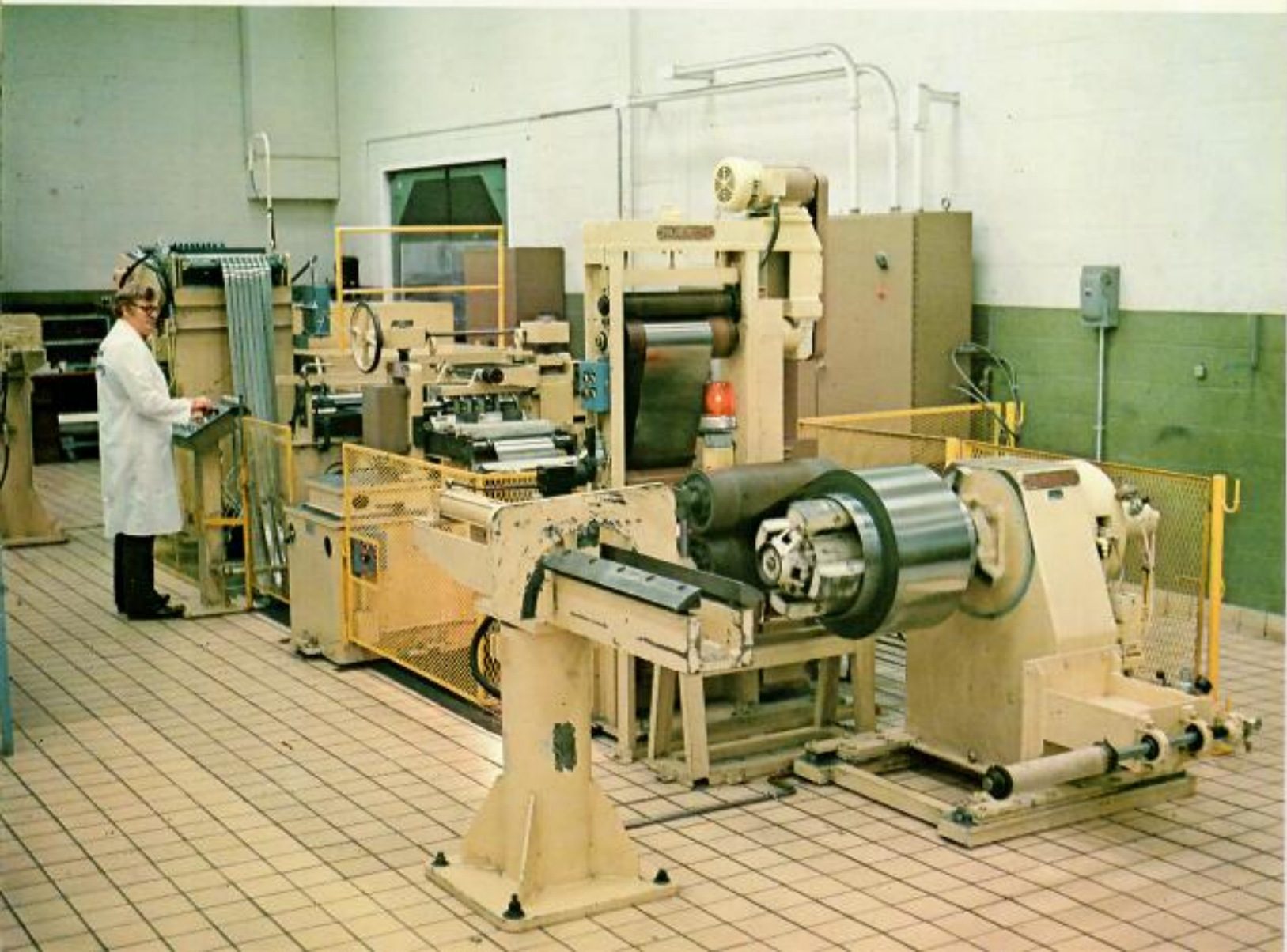
This equipment can slit the full range of material thicknesses that Arnold rolls to widths as narrow as .030". Width tolerance can be maintained as close as $\pm .0005$ ".

Different types and sizes of materials require various slitting methods. Arnold's slitting equipment is designed to operate in several modes, such as double loop, pull through, and taut band. Thus a wide range of materials and thicknesses can always be slit in the optimum manner.

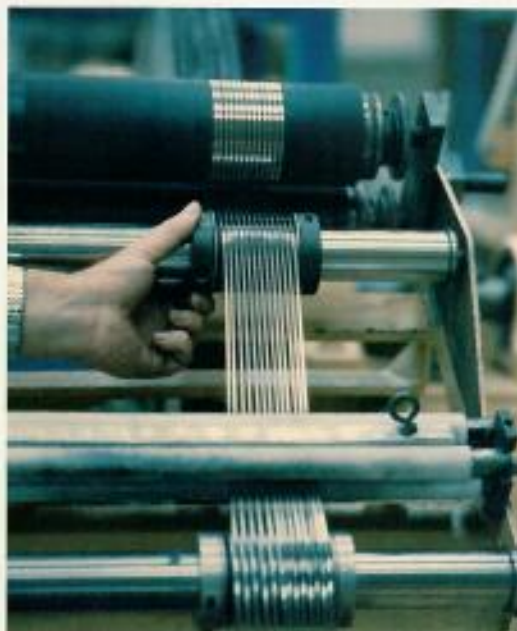


Above: Collection bridges on slitters.

Below: Slitting line with X-Ray thickness gauge.



Precision and quality



In addition to the facilities described in this brochure, Arnold has the ability to provide commercial quantities of powder-produced alloys with chemical composition and physical properties controlled to a degree unachievable by conventional melting practices.

Utilization of the capabilities within Allegheny Ludlum Industries also makes available materials unique in their composition or melting practice.

Whether your requirement is for special rolling, annealing, slitting, edging or basic alloy, the people and facilities of Arnold Engineering are waiting to serve you.

ARNOLD

ARNOLD MAGNETICS AND MICROELECTRONICS
MEMBER COMPANY OF ALLEGHENY LUDLUM INDUSTRIES, INC.

Marengo, Illinois 60152
Telephone: Area Code (815) 568-2471

Manufacturing Plants: Marengo, Illinois; Columbus, Ohio; Ogallala, Nebraska; Sevierville, Tennessee; Fullerton, Los Angeles and Redwood City, California; Sao Paulo, Brazil.

EVERHOT

EQUIPMENT FOR THE MEAT INDUSTRY

X-54 LEGEND BRANDER



for Livers, Hearts, Tongues and other variety of offal meats

Scientifically balanced for ease of handling. Heavy-duty construction and sound engineering principles team up to provide efficiency and trouble-free operation. Instant-acting thermostatic control increases brander life. Cuts element replacement 60 to 75% . . . lowers legend brand replacements by at least 25%. Weighs only 2½ pounds and is 11" long. Designed for use only on 110-115 AC. Instant-acting thermostat control with six-month heating element guarantee.

Write today for new complete catalog on Everhot meat branding equipment.

HOG SHOULDER TATTOO



LEVER LOCKING TATTOO

Grade and Yield Buying Pays off for Everyone

The packer gets better quality and a higher product yield. The consumer gets what he wants in less-fat loins, chops, ham and bacon.

Tattoo identification stays with the carcass right onto the cutting floor. Identifies lots according to origin, buyer, shipper, basis of purchase or any way you wish—quickly, economically, and permanently.

One slap on the shoulder leaves a legible, permanent tattoo on the carcass.

USE EVERHOT INKS AND INKING PADS

Specially formulated for permanent marking. Neoprene inking pads will assure proper ink distribution and eliminate waste.



ROTARY TATTOO



X062
4 digit tattoo—marks up to 25 separate lots without necessity of interchanging numbers.

America's Brand Makers Since 1920

EVERHOT

MANUFACTURING COMPANY

Maywood, Illinois 60153

EVERHOT

NO. 64 NO-HEAT CARCASS ROLLER MARKER

- Adds Sales Appeal.
- Builds Prestige and Customer Acceptance for your Grade or Trade Marked Meat.



Engineered for economy, long life and efficiency. Fewer moving parts reduces wear, servicing and breakdowns. Extra deep engraved roller wheels can be easily interchanged. Furnished with 9", 12" or 24" handle. Please specify length of handle desired. A complete line of special and standard USDA approved meat marking inks and branding equipment for every meat marking requirement.

No. 601 Ink-Electric Ham or Bacon Brander

with Colred type
heating element



Designed for marking ham or bacon after coming out of brine. Thermostat heat control sears and dries ink immediately so that wrapping can be done without danger of smearing. Branding dies are interchangeable. Available for use on 110 or 220 volts. Please state voltage required.

No. 65-B Ink-Electric Sausage Brander

for marking sausage in
natural casings



1 1/4" wide engraved roller wheel sears the skin and leaves a dry, legible impression. Designed for applying vertical lettering and furnished with 6" handle.

Available in 110 or 220 volts. Please state voltage required.

Everhot K-924 Electric Hot Ink Brander

Lightweight, versatile brander gives especially legible ink-brand identification on wet cuts and carcasses. Ideal for inside brands on hog carcasses, tongues, ribs, etc., and legend brands on sausage products in natural casings. 75 watt capacity, 110-115V A.C. current.

With No. 1
U.S. Legend
Brand

No. 82 Electric Burning Brander

with easily
interchangeable
stainless steel
heating element



Rugged, long-life construction. Insulated to use every degree of heat to advantage on marking cured meats. Highest quality, interchangeable, corrosion-resistant bronze dies assure legible, low-cost impressions. Furnished in 300 watts for offal branding and 400 watts for cured meats. Specify 110 or 220 volts. Complete with 3-conductor cord.

Length: 16 1/2 in., Weight: 3 1/2 lbs.

Everhot Famous Cold Ink Stamps WITH YOUR INSPECTION NUMBER

Available in Standard 3/4", 1 1/4", 1 3/4" Diameters

- Get neat, clean legible impressions
- Engraved or molded in a durable, non-corrosive metal
- Sharp-face, deep-cut lettering
- Sturdy hardwood handles
- Guaranteed to meet government requirements

Made to the same rigid specifications of U.S. Legends in the style lettering and shape required by your local or municipal inspection programs.

