* BAROMETERS * CLOCKS **THERMOMETERS** ★ HYGROMETERS MAGNIFIERS & READERS

INSTRUMENTS DISTINCTION

Satisfaction and Accuracy Guaranteed

SWIFT & ANDERSON, INC.

Manufacturers & Distributors 111 SUMMER STREET

Form 600

BOSTON, MASS.

NEW S & A WEATHERMAN

(Wall Model)



The new S & A improved Weatherman consists of a high-grade synchronized aneroid barometer, adjustable to 4,000 ft. elevation—S & A simplified 4" Silver Dial so simple a child can understand it. The 4" barometer is mounted in a ship's brass bezel set into a ship's brass frame with black insert.

The new S & A Weatherman appeals immediately to the eye. Designed exquisitely in color and size that will harmonize with any surroundings. Size $5\frac{1}{4}$ " overall.

One Finish—Ship's brass with black insert—4" Silver Dial.

Retail \$3.95

S & A INSTRUMENTS CARRY UNLIMITED GUARANTEE

S & A NEW PILOT BAROMETER

(Wall Model)



The S & A Pilot Ship Wheel is 71/8" overall with the new S & A simplified 4" silver dial, Ship Wheel designed in Ship's Brass with Black insert.

The high grade Synchronized Ameroid Movement is guaranteed to function accurately up to 4,000 feet.

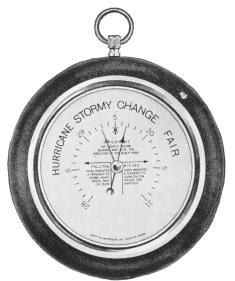
The new S & A Pilot is attractive and decorative with its gold finished background and black insert — 4'' silver dial — truly a new design in barometers.

Another outstanding value in the S & A Barometer line. Retail \$5.00

S & A INSTRUMENTS ARE SOLD ONLY THROUGH RELIABLE DEALERS

S & A BAROM

(Wall Barometer)



Overall size $5\frac{1}{2}$ " with the S & A 4" silver simplified dial, frame made from solid mahagany rubbed finish.

The S & A Barom movement comprises a fine aneroid synchronized instrument that will perform accurately up to 4,000 feet. The beautiful mahogany woodwork is a product from the famous woodcraft shop of Ivers & Pond Piano Company. Bezel finished **in ship's brass.**

Truly α beautiful instrument in every detail. The new S & A simplified dial may be read at a glance.

Retail \$5.00

S & A INSTRUMENTS ARE SOLD ONLY THROUGH RELIABLE DEALERS

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S & A NEW PLYMOUTH

A real nautical type barometer design, showing real belaying pins, same design as used on the old wood sailing vessels. An attractive desk or mantel model of heavy construction with a high grade aneroid movement that will function accurately up to 4,000 feet elevation.

3" silver dial, height overall is 434" and width overall is 41/8". Base elevated on half round ball

bearings.

The combination of ship's brass belaying pins set into beautifully finished bronze, makes an attractive and imposing instrument. Main body is

Bronze and belaying pins in Ship's Brass.



Retail \$6.00



S & A BANIO

Temperature and Humidity

A beautiful wall instrument. It will give the correct temperature. It will give the correct percentage of moisture in the air.

Height 8½" with 3" dial. Gold frosted **thermometer** and **dial** set in black bakelite with satin finish.

Note marking hand on Hygrometer, a feature found only on S & A Humidity instruments.

Retail \$3.50



S & A PEND

Wall Pendulum

Barometer and Thermometer
The S & A Pend is truly a new
creation in design. A strictly high
grade Barometer and Thermometer with unusual eye appeal, a
practical wall decoration.

Dignified design and finished in chrome and silver set in black Bakelite. 3" silver dial. Thermometer finished in silver, charted to assure easy reading.

Size overall $8\frac{1}{2}$ " high, $3\frac{3}{8}$ " wide. Retail \$5.00

NEW S & A FORECASTER

The new S & A Forecaster is a compact, neatly designed barometer, adjustable to 4,000 ft. elevation.

A high-grade synchronized aneroid barometer designed to suit discriminating customers who wish a small fine quality instrument.

Size overall 41%" with a 3" S & A Simplified Silver Dial. Finished in Bronze only. Retail \$4.50



S & A LARGE PENDULUM

The new **S & A Large Pendulum** is a wall model consisting of a high-grade barometer and thermometer fitted in a solid mahogany, banjo type, case of unusual design and finish.

Height overall 12"; width overall 5"; width of glass crystal 4". S & A simplified silver dial, gold finished bezel.

The thermometer tube is mounted on a satin silvered finished scale, plate set in and extended over the top of the mahogany frame. Decorative and imposing. The barometer and thermometer are easily read at a glance.

Retail Price \$10.00



NEW S & A SPORT BAROMETER



A perfect instrument for the fisherman or traveler. S & A Synchronized. Barometer set in a real tan leather cushioned case assurina against breakage or possible injury. Fold it up-pack in your bag or fishing kit. Attractive also for home and office use. 3" Silver dial with ship's brass bezel. Width 41/4".

Retail \$7.50

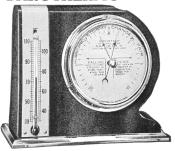
S & A CRUISER



The new **S & A Cruiser Ship Wheel Barometer** copied from an old New England type of ship wheel. A beautiful barometer instrument set in a solid mahogany ring. Brass spokes, brass insert ring and superimposed 4½" bezel—all brass, gold finished; will not tarnish. S & A 4" simplified silver dial. Width overall 8". **Retail Price \$7.50**

S & A BAROTHERMO

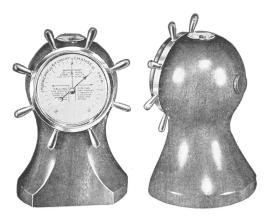
The new S & A Barothermo is another S & A creation. It comprises a fine precision barometer and thermometer combination set in a solid mahogany stand, designed on an angle to allow easy reading of both instruments. This new S & A Barothermo is adapted to table, desk or mantel use. The mahogany stand with barometer and thermometer units are set on a heavy brass



base—it will rest in place securely. Height overall 4¾"; width overall 5½". Barometer bezel and base in gold finish. Thermometer scale plate in silver finish. Barometer fitted with S & A 3" silvered simplified dial. Retail Price \$7.50

S & A CAPSTAN

(Barometer & Compass)



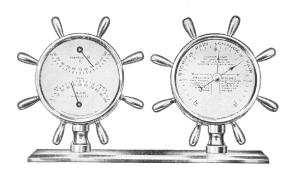
The S & A Ship's Capstan Barometer with a Magnetic Jeweled Compass is original and distinctive design. The eye appeal embodied in the S & A Capstan will command the attention of the most exacting buyer. Solid Mahogany Ship's Capstan with S & A Brass ship wheel barometer. S & A Simplified dial. Overall height 8", overall width 494". With 1%" Jeweled Compass, set in dome.

Retail \$10.00

The solid mahogany Capstan is a product from the woodcraft shop of the Ivers & Pond Piano Co.

S & A THREE UNIT SHIP WHEEL

Barometer — Thermometer — Hygrometer



The S & A Three Unit is the same size, design and finish as the S & A Twin. The new S & A Three Unit Ship Wheel embodies three instruments on a double ship wheel stand. The upper indicates the true temperature.

The lower part of the left dial indicates the percentage of Relative Humidity in the air. The right ship wheel is a higrade aneroid barometer that will function accurately up to 4,000 feet.

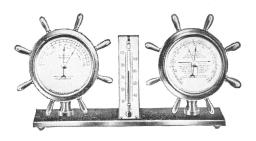
Ship's Brass				Retail	\$10.00
All Bronze .				"	\$10.00
Chrome				,,	\$11.50

S & A PRODUCTS CARRY AN UNLIMITED GUARANTEE
All S & A Aneroid Barometers are equipped with the
new S & A Simplified Dial. (A child can understand it.)

Instruction Sheet Furnished with Each Instrument

S & A TRIOMETER

(Three Units)



Precision Hair Hygrometer (Relative Humidity) three point tested thermometer tube — synchronized aneroid barometer adjustable to 4,000 ft. The hair humidity indicator and the aneroid barometer are set into ship wheels with full ring type, copied from an old wood ship wheel. The thermometer tube is mounted on a flat silver finished scale plate.

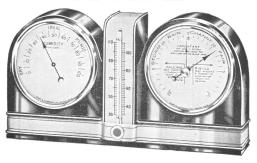
The S & A Triometer units are mounted on a heavy bronze base resting on half ball bearings. The 3" silver dials and silver thermometer scale against a bronze background afford a harmonious and imposing combination with unusual eye appeal. A heavy, sturdy and decorative three unit instrument.

Size overall 11½" x 5¾". 3" silver dial, Hair Hygrometer, (Relative humidity) Three point tested thermometer tube, and a precision aneroid barometer.

One Finish — Bronze — \$15.00 Retail

S & A Barometers are distinctive in design and up to date. The quality is unsurpassed. Insist on S & A Products.

S & A EMPIRE



Three instruments in one: Relative Humidity, Temperature and Barometer. The new S & A Empire is a stately designed combination, unusually attractive and decorative. Silvered 3" dials with chrome bezels, silver thermometer, silver band inflaid with black backelite housing. Height 4½", width 8½". It will give you the temperature accurately—the correct percentage of moisture in the air—and forecast future weather changes. Nicely boxed.

Retail \$10.00

NEW S & A MOISTOMETER

(Relative Humidity & Temperature)
Mounted on a 4" Silver Dial

The new S & A Moistometer must not be confused with many other hygrometers on the market.

The new Moistometer humidity unit is actuated by the use of seven blond human hairs scientifically arranged in a double acting mechanism. The use of a human hair is recognized by engineers to be the most sensitive and accurate means of determining the percentage of moisture in the air (relative humidity). The S & A Thermometer is also a finely calibrated thermometer.

The two units are mounted on a 4" Silver Dial set into a ship's brass frame with

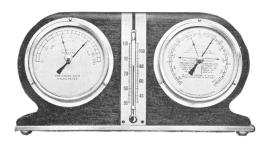


a ship's brass frame with black insert. It is decorative for office or home use. It is also designed for industrial use.

Retail \$5.00

S & A IMPERIAL

(3 Units)



The S & A Imperial consists of a Precision Hair Hygrometer (Humidity indicator). Three Point tested thermometer tube, and a synchronized aneroid barometer movement adjustable to elevation up to 4,000 feet. The three units are mounted in a solid block $1\frac{1}{2}$ " thick at base and tapering to 1" at the top. Mahogany wood work by the famous Ivers and Pond Piano Co. The Combination of ship's brass bezels, Heavy ship's brass base, Silver thermometer scale and 3" silver dials is distinctive and original in design.

A real decorative mantel, table or desk model. Size overall 934" long, 434" high.

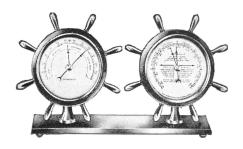
Retail \$12.50

INSIST ON S & A PRODUCTS S & A PRODUCTS ARE GUARANTEED

S & A NEW DUAL SHIP WHEEL

(DELUXE MODEL)

A Real Barometer and Thermometer



The new S & A Dual Ship Wheel is a masterpiece in design and finish. Full ring ship wheels are copied from an old antique wooden ship wheel, both seated firmly on a heavy base, resting on 4 half ballbearings.

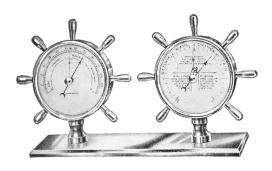
Size overall 934" x 538"—3" Silver Dials.

Both thermometer and barometer are fitted with red marking hand so that the last reading of both the thermometer and barometer may be easily checked.

An exceptionally fine mantel, desk or table instrument of the finest quality and design.

All Bronze .			Retail	\$10.00
Ship's Brass			"	\$10.00
Chrome			,,	\$11.50

S & A TWIN SHIP WHEEI.



Barometer and thermometer mounted in two exquisite Ship wheels. Three different finishes.

Ship wheels, set firmly on a heavy base. 3" silver dials beautifully lettered in black enamel, embodying new **S & A simplified readings.** Width overall 8½", height 5¼". Sturdy and durable; will last a lifetime.

Both thermometer and barometer are fitted with red marking hand so that the last reading of both the thermometer and barometer may be easily checked.

An exceptionally fine mantel, desk or table practical instrument of the finest quality and most modern design.

Ship's Brass	3		٠.		Retail	\$8.75
All Bronze					"	\$8.75
Chrome					**	\$10.00

S & A INSTRUMENTS ARE GUARANTEED TO FUNCTION ACCURATELY

S & A SINGLE SHIP WHEEL

(Barometer only)



Mantel, Desk or Table Model

The new S & A Single Ship Wheel Barometer is truly a handsome instrument embodying modern design with exceptional eye appeal. Overall height 5", width 5"—with 3" S & A simplified silvered dial. Spokes are a true copy of old wooden ship wheel.

Three different finishes:

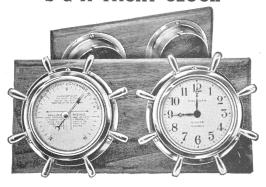
SHIP'S BRASS ALL BRONZE CHROME

Packed in Attractive Box

Retail \$7.50

S & A INSTRUMENTS ARE GUARANTEED TO FUNCTION ACCURATELY

S & A YACHT BAROMETER S & A YACHT CLOCK



(Detachable)

A Two Purpose Combination

Size overall 10" long, 5" high. The Barometer is a high-grade synchronized aneroid instrument. The Clock movement is a Waltham 8-day, 9-jewel timepiece. (Back wind.) The new S & A Detachable Bulkhead Yacht Barometer and Clock is made entirely of brass, ship's brass finish.

S & A 3" simplified silver dials. This new number may be quickly detached by turning the ship wheel slightly to the left. Easily detachable for back winding. The brass bulkhead fixture remains permanently on base board. Instruments may be removed in a jiffy for safe keeping while at anchor or during winter. The barometer and clock may be snapped back on the mahogany plaque for use on mantel or desk during off seasons.

Yacht Barometer and Clock with detachable bulkhead fixtures mounted on a mahogany plaque, retail \$35.00. Extra bulkhead fixtures for boat use \$1.25 each.

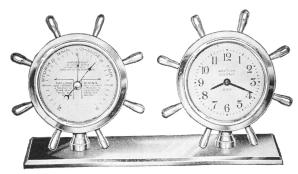
Mahogany plaque will not be furnished on single unit sales.

Individual Barometer with bulkhead fixture, \$10.00 retail
Individual Clock with bulkhead fixture, 25.00 retail

S & A CLOCK SHIP WHEEL

(Combination)

With Waltham 8-Day—9-Jewel Action



The New S & A Ship Wheel barometer and clock combination is a beautiful imposing instrument of distinction. **One Ship Wheel** is fitted with a fine double spring eight-day back winding Waltham 9-lewel action.

One Ship Wheel is fitted with the latest S & A Barometer with the S & A simplified dial (a child can understand it). Size overall, width 10'', height 5%'', weight $3\frac{1}{4}$ lbs. Three different finishes: Bronze, Brass, Chrome.

Retail \$30.00

For single clock ship wheel see opposite page.

S & A INSTRUMENTS ARE SOLD ONLY THROUGH RELIABLE DEALERS

S & A SINGLE SHIP WHEEL CLOCK



Waltham 9 Jewel Action

A precision 8-day time piece set in a beautifully designed Ship Wheel. 5" wide, 5" high with 3" silver dial. The S & A Single Ship Wheel Clock is a precision time piece. A sturdy, heavy, accurate back wind 9-jeweled movement. This jeweled action is the pride of the Waltham Watch Co.

Three different finishes—all bronze, brass or chrome.

Nicely boxed.

Retail \$22.50

For clock ship wheel combination see opposite page.

S & A Instruments are sold only through reliable dealers.

Look for the name S & A. It means satisfaction and accuracy.

S & A PRODUCTS CARRY AN UNLIMITED GUARANTEE
All S & A Aneroid Barometers are equipped with the
new S & A Simplified Dial. (A child can understand it.)

Instruction Sheet Furnished with Each Instrument

NEW S & A SHIP WHEEL THERMOMETER

(Thermometer Only)

The new S & A Ship Wheel Thermometer is purely nautical design with easel for mantel, desk or table use. A real instrument calibrated to accuracy over the entire dial. Width over-all is 43/4" with a 3" silver dial indicating temperature only. The lower charting on relative humidity is a guide only showing what the humidity should be at a given temperature. Finished in Bronze

Finished in Bronze with ship's brass spokes.

Retail \$2.00



NEW S & A EASEL THERMOMETER

(Thermometer Only)



The new S & A Easel Thermometer is a very attractive desk, mantel or table model, the thermometer unit finely calibrated assuring accuracy at all temperatures.

A superior instrument of unusual design. Size 4½" high by 4" base. 3" Silver Dial indicating temperature only. The lower charting on relative humidity is a guide only showing what the humidity should be at a given temperature. Finished in Bronze only.

Retail \$2.00

S & A Products are nationally advertised and nationally recognized, for fine quality in workmanship and up to date design.

THE S & A CLIPPER SHIP WEATHER GLASS

is a true reproduction of the old original weather glass barometer.



Do not confuse the genuine S & A Clipper Ship Weather Glass with imitations on the market.

The S & A Clipper Ship Weather Glass operates on the same principle as the Aneroid Barometers. Simply charge with water and add Tintex of any color desired. This will make the water more visible in the spout.

Glass hand-made. No two exactly alike. Yet great care is exercised in the making, so that the large air-chamber is in perfect displacement balance with the spout.

This is necessary to assure satisfactory results. It requires **seventeen** (17) **hand operations** to complete the weather glass.

It dates back to 1864

With Hand Made Antique Wood Stand

Retail \$2.50

With Hand Made Brass Wall Sconce

Retail \$2.50

Not genuine unless our registered trade mark Clipper Ship is etched on the back of each glass.



S & A RECORDING THERMOMETER

No. 2



The principle of the S & A Recording Thermometer is very simple and unique. This instrument is a tried and proven success. For over 25 years industrial plants in many sections of the country have indorsed the S & A Recording Thermometer. It is guaranteed to give satisfaction.

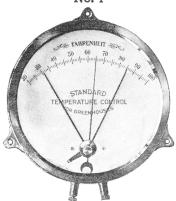
Charts for daily or weekly use are furnished with each unit. High grade ink is supplied with each thermometer.

8" chart, 10" overall with Padlock.

Black enamel finish.

Price \$60.00 F.O.B. Boston

S & A GREENHOUSE THERMOSTAT



Hermetically sealed instrument in a 7" Case with Padlock. Setting hand can be done only by the person in possession of the key.

Batteries are preferable to transformer. This is precaution against interference of your regular current.

Retail \$22.50 F.O.B. Boston



S & A TELESCOPE

Panoramic Fixture

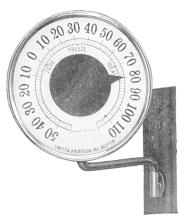
S & A Lightweight telescope receiver adapted to all standard Telescopes up to 3''. Adapted to all standard tripods.

Retail \$4.50

S & A OUTDOOR THERMOMETER

All Brass (Chrome Plate)

Read It at a Glance



4" DIAL Guaranteed Accurate Will Not Rust

The two-color scheme attracts immediate attention. Size 4" dial. Adjustable to all angles. Red center disc integral with indicating point. White dial with large black figures; will not discolor.

The most visible thermometer ever offered. Retail \$1.50

S & A Thermometers are the results of many years' experience in manufacturing high grade thermometers. **S & A Thermometers** date back to 1854.

Years of experience is assurance of perfection and satisfaction.

S & A JUNIOR (OUTDOOR) THERMOMETER

All Brass (Chrome Plate) Read It at a Glance



3" DIAL Guaranteed Accurate Will Not Rust

The new S & A Junior Outdoor Thermometer is the same in every detail as the famous outdoor illustrated at left except that it is one inch less in diameter. A real, accurate instrument with reading easily visible at a alance. Retail \$1.00



The S & A trade mark on an instrument is your complete quarantee for satisfaction and accuracy.

S & A READERS — MAGNIFIERS

Something New

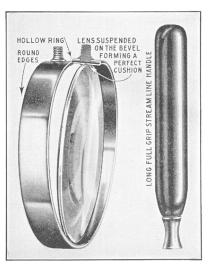
S & A newly designed ring holder eliminates breakage—no more replacements for broken lenses or loose handles.

Study the above drawing. You will note the following features not found in other makes of readers:

Lens suspended in a spring c u s h i o n around the complete circle.

Sharp edge of lens does not touch metal. Round pol-

ished edges on main ring. Large 41/4" full-grip streamline





MADE IN THE U.S. A.

Size					Power	Retail Price
2"					8 Diopters	\$.90
21/2"					61/2	1.00
311	-				51/2 "	1.10
31/2"					5 "	1.40
4112				·	4 "	1.60
11/-//			•		21/2 //	1.90
41/2"					31/2	1.30

S & A GOOSE NECK



The most durable and flexible table magnifier or reader on the market. Easily adjusted to all positions desired.

Retail	Power			Size	
\$4.30	diopters	8	Lens	2½"	With
4.50	diopters	$6\frac{1}{2}$	Lens	3''	With
4.80	diopters	$5\frac{1}{2}$	Lens	3½"	With
5.10	diopters	5	Lens	4''	With
5.40	diopters	$3\frac{1}{2}$	Lens	41/2"	With

The above stand mounted with the new S & A cushion ring Reader. See opposite page.

S & A FIREFLY READERS



RETAIL PRICE

Complete with Eveready Battery and Bulb

3'' 3½''	Magnifier, Magnifier, Magnifier,	6½ 5½ 5	Diopters Reta Diopters " Diopters " Diopters " Diopters "	3.00 3.10 3.40
			Diopters "	3.70 4.00

S & A Firefly readers are particularly adapted for reading Sea charts, Road maps, Telephone and Dun & Bradstreet's reference books, in fact any fine print or obliterated signatures.

All Firefly models are equipped with the new S & A Cushioned frame reading magnifier.

IMPORTANT

Insist on S & A Products
S & A Instruments Carry Unlimited
Guarantee

S & A RADIANT FIREFLY



Two 15%" lenses—6X Aplanatic 24 diopters
The new S & A Radiant Firefly is recommended by Stamp Collectors, Engineers, Yachtsmen, Seamen and Motorists (for reading charts and road maps at night) Antique Collectors and Manufacturers. For checking Serial Numbers and obliterated signatures. Packed in display box. Retail \$2,75

S & A SE-ALL FIREFLY



Aplanatic

This new S & A Firefly covers a diversified use. It is particularly adapted for close scrutiny of stamps, diamonds, finger-prints, metals, lithographs, engravings, forgeries, precious stones, watch work, biology, fabrics and polished surfaces. Two lenses with focal adjustment. 7 Power in display

box—\$5.00. 10 Power in display box—\$5.00. Both Se-Alls can be fitted with $\frac{1}{4}$ " x $\frac{1}{4}$ " or $\frac{1}{2}$ " x $\frac{1}{2}$ " Linen Testing Disc. This affords a practical instrument for testing

fabrics. Extra cost 25 cents each.

For diamond use specify violet bulb. Extra tinted bulb—15 cents.

THE NEW S & A RANGER



5 Power Two Draw (Non-Achromatic) with Nickeled Tubes The new S & A two draw Ranger is a remarkabe scope for the boy or girl naturalist. It's educational. It brings the object five times nearer. Length closed, 4". Length opened, 73/4".

Retail \$1.25

S & A UNIVERSAL MAGNIFIER



An excellent High Power 12 Diopter Magnifier for preparing specimens. Used also by mechanics engaged in handling small parts. A dressmaker's delight for threading needles. The magnifier is connected to a heavy stand by two ball universal joints of unusual design 2½" high, 4" long with 2" base, with 1½" lens.

Retail \$1.00 each

S & A STAND MAGNIFIER



The new S & A Stand Magnifier covers a diversified use. Its large field of view enables the mechanic or inspector to examine large specimens without moving the stand.

High power 2½" 10 diopter lens with heavy compact stand and adjustable universal ball joint fits this magnifier to many uses.

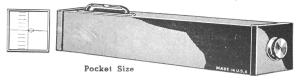
Retail \$2.00

S & A ARMY TYPE HAND SIGHTING LEVEL MANY USES

For grading, house building, surveying, road building, carpenters, boy scouts, student's field work, checking contours, grades and lining up fences. Full directions with each level. **A Surveyor's Necessity**.

FORMER VALUE \$5.00

Now Retails for \$1.00 each



S & A OPTICAL MIRROR

Actual Size with Display Card

First Aid Optical Mirror



It is easy to **reveal particles** in your eye with the aid of this **ingenious magnifying Mirror**. Mirror attached to a fine quality Rubber vacuum cup. It will adhere to glass or any smooth surface. It **magnifies** the natural size of the eye four (4) diopters. With display card. **Retail \$.50**

Write for descriptive matter on S & A Binoculars —
Field Glasses and Telescopes

S & A 45 M.M. FOLDING

(Magnifier)



It fits in the pocket neatly. It is convenient for many uses — botanical, stamps, metals, fibers, finger-prints, biological and telephone book use.

A real pocket magnifier, at a reasonable price. Lens pivots into a convenient real leather slip. This protects the lens from becoming scratched. It also serves to keep the lens clean.

The most powerful lens of this type we have ever offered. 45 m.m., 134" lens—12 diopters. Lens mounted in nickel silver rim add to its durability and compactness.

Retail \$.50

Single display stand on request.

YOUR SILENT SALESMAN



S & A Three-way, small and compact display stand with each dozen.

ALL S & A PRODUCTS ARE SHIPPED F.O.B. BOSTON
S & A PRODUCTS ARE SOLD ONLY THROUGH
RELIABLE DEALERS