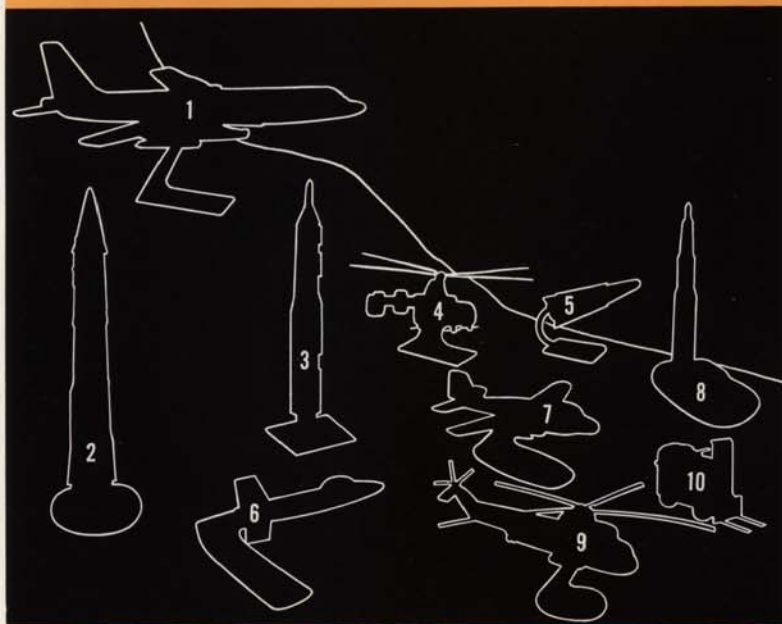


# TOPPING, INC.

*Creators of Distinctive  
Sales Miniatures*



## MODELS SHOWN ON FRONT COVER



### FIBERGLASS MODEL

1. Convair 880 (Wingspan: 30")

### INJECTION MOLDED MODELS

2. Convair Atlas-Centaur (Height: 19 $\frac{3}{4}$ " )
3. Martin Titan "J" (Height: 17 $\frac{3}{4}$ " )
4. Kaman H43B (Fuselage length: 8 $\frac{1}{2}$ " )
5. Hughes GAR-11 Falcon (Length: 8 $\frac{3}{8}$ " )
6. North American X-15 (Length: 15" )
7. Grumman A2F Intruder (Wingspan: 13" )
8. Boeing Minuteman (Height: 13 $\frac{1}{2}$ " )
9. Sikorsky S-61 (Fuselage length: 13 $\frac{1}{4}$ " )
10. Towmotor Lift Truck (Overall length: 8 $\frac{1}{2}$ " )





# TOPPING MODELS

***...The Most Effective Single Means  
Of Selling Your Product and Your Company***



Whatever your product—an airplane, a truck or a piece of heavy machinery—your salesmen can take it right into a prospective customer's office, let him examine it at his ease, and be assured an interested and attentive audience while pointing out its advantages.

Impossible? Not when your salesmen are using Topping Models—perfectly scaled miniatures of their full-sized counterparts. Topping's wealth of experience assures you the most effective presentation of your product. When moving parts, cutaway models, modular construction or other special techniques seem necessary to dramatize design and operational features, Topping will recommend the best method for the particular circumstances.

## UNSURPASSED SALES TOOLS

Think of the power of the sales presentation using a Topping Model! Not only does your prospect hear your selling message, but it makes a lasting impression on him as he examines—even operates—one of these intriguing miniatures.

## CONSTANT REMINDERS

Topping Models can also be used to work for you after your salesman has left. Many firms give them to customers and prospects, who display them prominently





in their offices where they serve as constant reminders. There they are also seen by others in the organization, who may be unknown but important buying influences.

### EFFECTIVE PUBLIC RELATIONS AIDS

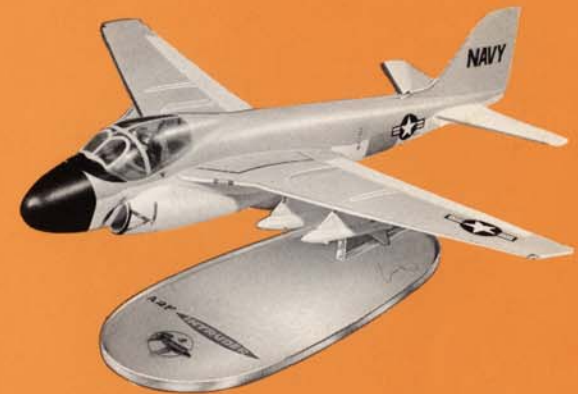
Leaders of industry have found Topping Models valuable in still another area—that of enhancing their corporate image, of establishing a favorable public impression of their product and their firm.

\* \* \*

For making the sale, keeping your name before the customer and creating a favorable public opinion of your company, no other single method approaches the 3-dimensional appeal of a Topping Model.

Based on your blueprints and requirements, we will be happy to submit a cost proposal on a Topping Model of your product. Because of advanced, specialized production techniques, these sales miniatures are relatively inexpensive.

You can benefit from the experience of the leader in the highly specialized aircraft replica field. Decide now on a Topping Model of your product. Be a leader in your field in the use of this remarkably productive sales aid.





Vertol 107  
(Fuselage length: 11")

# TOPPING SCALE MINIATURES

## *Represent the Armed Forces' Latest*

More than three out of every four aircraft and missile companies in the United States come to Topping for scale models in miniature of their latest developments.

North American GAM-77 Hound Dog  
(Length: 12½")



Martin Matador  
(Overall length: 13¾")



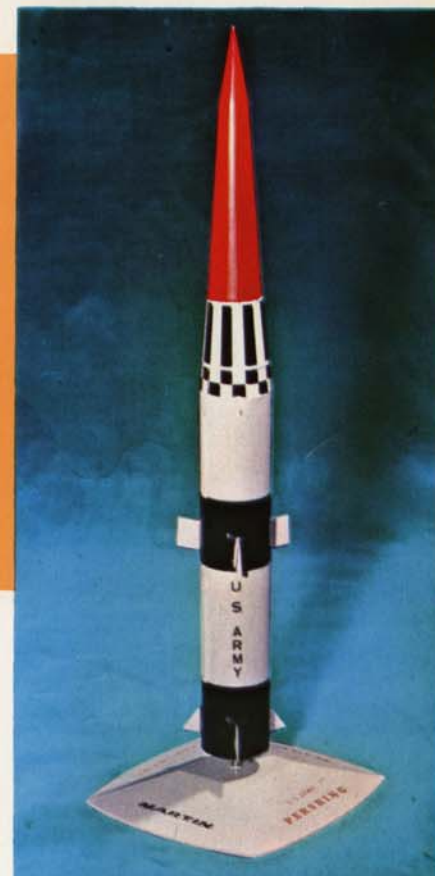
Boeing IM-99 Bomarc  
(Length: 9¾")



Lockheed UCX-329 Jetstar  
(Wingspan: 6½")



Martin Pershing  
(Height: 13")





Chance Vought F8U-3 Crusader III  
(Wingspan: 9½")



Goodyear ZPG-2W Airship  
(Length: 11¾")



NASA-McDonnell Mercury  
Space Capsule  
(Height: 5⅝")



Martin Titan  
(Frame Dimensions: 12¾" x 15¾")



Convair Atlas-Mercury  
(Height: 17¼")



Sikorsky HSS-1  
(Fuselage length: 11")



Chance Vought Regulus II  
(Length: 16¾")



Grumman WF-2 Tracer  
(Wingspan: 20½")



Northrup T-38 Supersonic Trainer  
(Wingspan: 7½")



## TOPPING MODELS SERVE MILITARY AND GOVERNMENT NEEDS

To aid in planning and training operations, Topping Models of new airplanes and missiles are often dispatched to key government and military personnel, and to air bases all over the world, as soon as the prototypes are released.

Martin LaCrosse  
(Overall Length: 9½")



Hiller H-23D  
(Fuselage length: 11")



North American T-39 Sabreliner  
(Wingspan: 13")



North American A3J-1 Vigilante  
(Wingspan: 10")



Beechcraft L23 Twin Bonanza  
(Wingspan: 14¼")



Fairchild AN/USD-5  
(Length: 11¼")





Lockheed Q-5  
(Height: 9½")



Avro Avrocar  
(Diameter: 9")



Sikorsky H-37  
(Fuselage length: 14")



Fairchild F-27 Friendship  
(Wingspan: 10¾")



Convair Atlas D  
(Height: 15")



McDonnell F-101A Voodoo  
(Wingspan: 6½")



Douglas Thor  
(Overall height: 15¼")



Grumman F11F-1  
(Wingspan: 9½")





Ryan Q-2A Firebee  
(Length 7¼")

Martin Bullpup  
(Length: 7¾")



Republic F-105 Thunderchief  
(Wingspan: 8½")

SINCE 1943 Topping has produced well over two million scale models for American industry—and acquired unmatched experience in this specialized field.



North American T2J-1  
(Wingspan: 11")



Convair 600/990  
(Wingspan: 9½")



Convair Atlas-Agena  
(Height: 17")



Lockheed Agena  
(Length: 11")



Raytheon Sparrow III  
(Length: 8¾")

McDonnell GAM-72 Quail  
(Length: 4½")



Grumman S2F-3  
(Wingspan: 20½")



Lockheed Polaris  
(Overall height: 16")



Boeing KC-135  
(Wingspan: 8")



Convair Advanced Terrier  
(Height: 10½")



Kaman HU2K-1  
(Fuselage length: 13")



Convair Tartar  
(Height: 7½")





Beechcraft M33 Debonair  
(Wingspan: 12¾")



TOPPING Models stand alone in their ability to establish company and product recognition.



Lockheed C-130 Hercules  
(Wingspan: 11¼")



Convair Atlas B  
(Height: 14")

Beechcraft M35 Bonanza  
(Wingspan: 12½")



Grumman Gulfstream  
(Wingspan: 11¾")



Hughes GAR-3A Falcon  
(Length: 8¼")



North American NA 273  
Redhead/Roadrunner  
(Length 9")



Grumman F9F-8T Cougar  
(Wingspan: 10 1/8")



Douglas Nike-Zeus  
(Height: 27 3/4")



Raytheon Hawk  
(Length: 12")



Chance Vought F8U-2N Crusader  
(Wingspan: 9")



McDonnell F4H Phantom II  
(Wingspan: 6 1/4")



Convair 880  
(Wingspan: 9 3/4")



Cessna T-37  
(Wingspan: 10")



Canadair CF-104  
(Wingspan: 5 1/2")



## American Industry Finds

# TOPPING MODELS

### *Versatile, Powerful Sales Aids*

Manufacturers of industrial and consumer products alike have made Topping Models an important part of their overall company and product promotional efforts. In addition to being faithful replicas of the prototypes, many provide mechanical movement which effectively brings out the various features of the products, gives sales points unsurpassed impact.

The undeniable ability of Topping Models to arouse interest and create a favorable selling "climate" has been used in many ways. In some firms, the model plays a major role in the salesman's presentation to a prospective customer. In others, models are furnished to wholesalers and/or retailers for display. A few companies have used Topping sales miniatures for phenomenally successful direct mail programs to selected lists. Many concerns give them to their customers after the sale, to build good will and serve as a powerful reminder of their products and services.

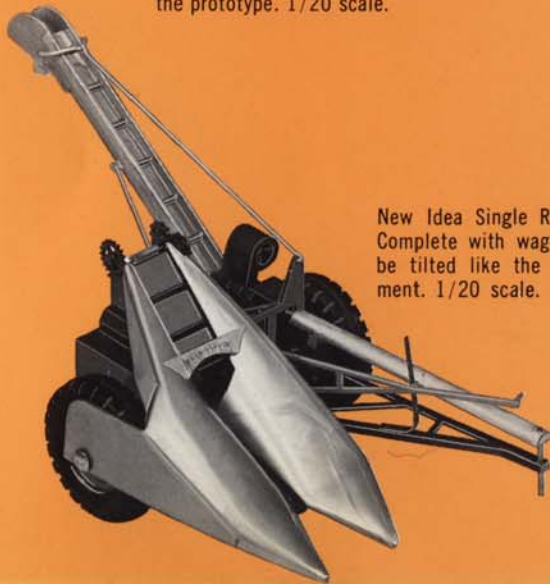
Quite a few have used a combination of these methods. All have found Topping Models to be remarkably effective aids in selling products and services and in enhancing the corporate image.



Youngstown Dishwasher actually operates, by means of water pressure from a faucet. High speed rotation of the Jet Tower, washing the colorful miniature dishes, can be viewed through the transparent lid.  $\frac{1}{4}$  scale — about 9½" high.



New Idea Farm Implement Company Manure Spreader. As the miniature is pulled behind a model tractor, the shredders and beaters operate as in the prototype.  $\frac{1}{20}$  scale.



New Idea Single Row Corn Picker. Complete with wagon elevator, can be tilted like the full-sized equipment.  $\frac{1}{20}$  scale.

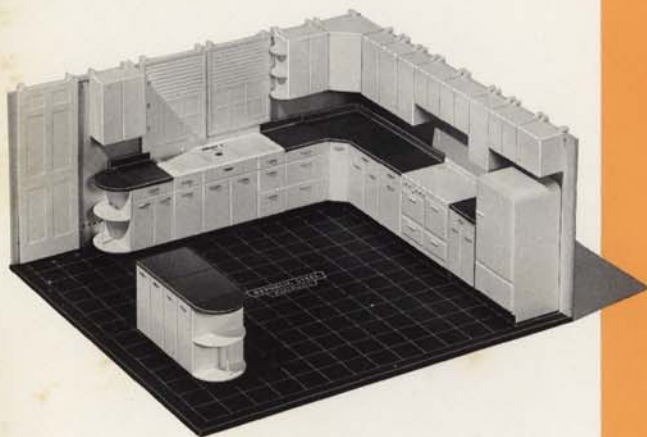


White 3000 Series Tractor with Tandem Axle Trailer. Cab tilts on its frame, showing easy access to engine beneath the seat. Consists of detailed engine, transmission, differential, booster springs, saddle tank and fifth wheel. Model measures 14" long by 4½" high by 3" wide.



Accurately scaled working model of 18' Chris Craft Riviera Runabout. 2-cylinder water-cooled geared engine turns up 15,000 rpm. 36" mahogany hull has luxuriously upholstered red leather seats and chrome plated hardware.





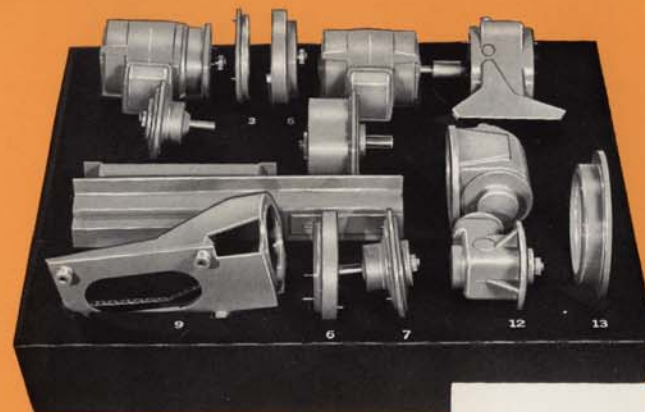
Replicas of the Republic Kitchen Cabinets can be arranged in limitless combinations on adjustable walls allowing the customer to visualize the exact appearance of her new or modernized kitchen. 1/16 actual size.



Ferguson 30 Tractor and Disc Plow, showing the Ferguson method of attaching implements. Disc Plow can be raised and lowered. 80 parts. 1/13 scale.



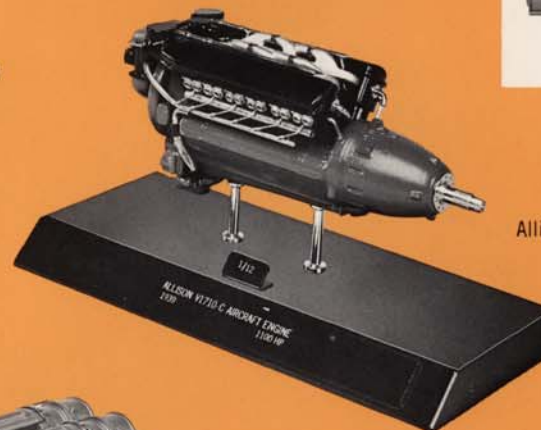
Lycoming T53  
Gas Turbine Engine



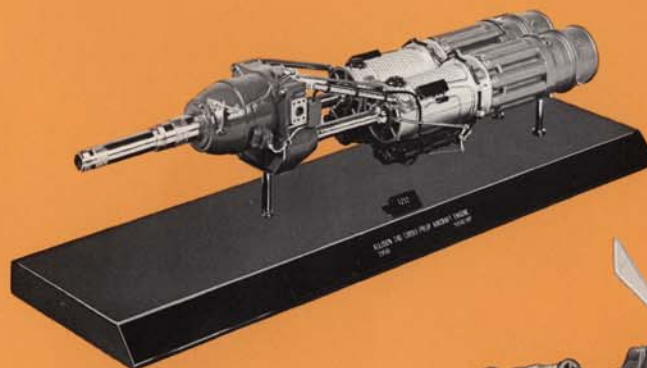
Westinghouse Moduline Kit  
and (inset)  
Assembled Motor and Gear Drive



Allison CD-850  
Cross Drive  
Transmission



Allison V1710-C  
Engine



Allison T-40 Turbo-Prop  
Aircraft Engine



Allison "501"  
Prop-Jet Engine



North American Rocketdyne S3  
Liquid Fuel Missile Engine



## ***When Quantities Are Small Or Sizes Are Large...*** **TOPPING Fiberglass MODELS**

Topping, Inc. has developed a unique type of mold and certain special production techniques which make it possible to produce scale models in quantities too small—or sizes too large—to justify the cost of hard steel tooling.

Fabricated of epoxy-impregnated fiberglass, these models are strong, durable and beautifully finished. A Topping Fiberglass Model may receive as many as ten coats of surfacer and paint. Wet sanding and hand rubbing give the replica a soft, attractive luster.

The light weight of Topping Fiberglass Models relative to their size results in appreciably lower shipping costs—an important by-product of this method of production.

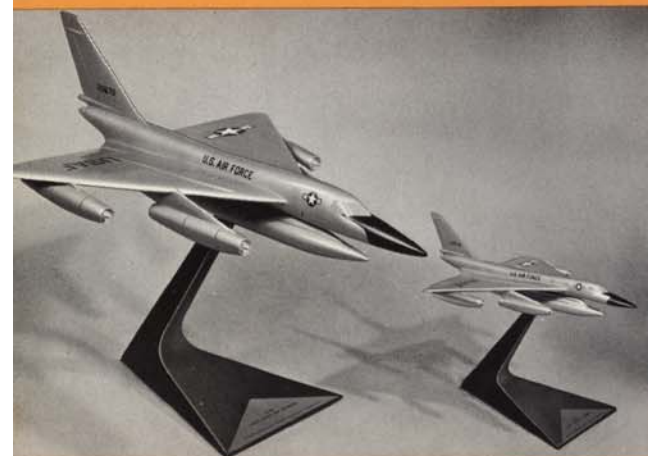
If you need only 5 to 150 models—or if your requirements call for large dimensions—Topping Fiberglass Models are your answer. We'll be happy to work with you on your problems and quote on your requirements.



Grumman Gulfstream  
(Wingspan: 19")



Canadair Forty Four  
(Wingspan: 17 1/8")



The photographs above compare Topping's fiberglass and injection-molded versions of the same prototypes. In each case, the fiberglass model is the larger.

From left to right: Convair B-58 Hustler (lengths 9" and 18 1/2"); Lockheed P3V-1 (wingspan—14" and 27"); Bendix Talos (overall lengths—9" and 19").

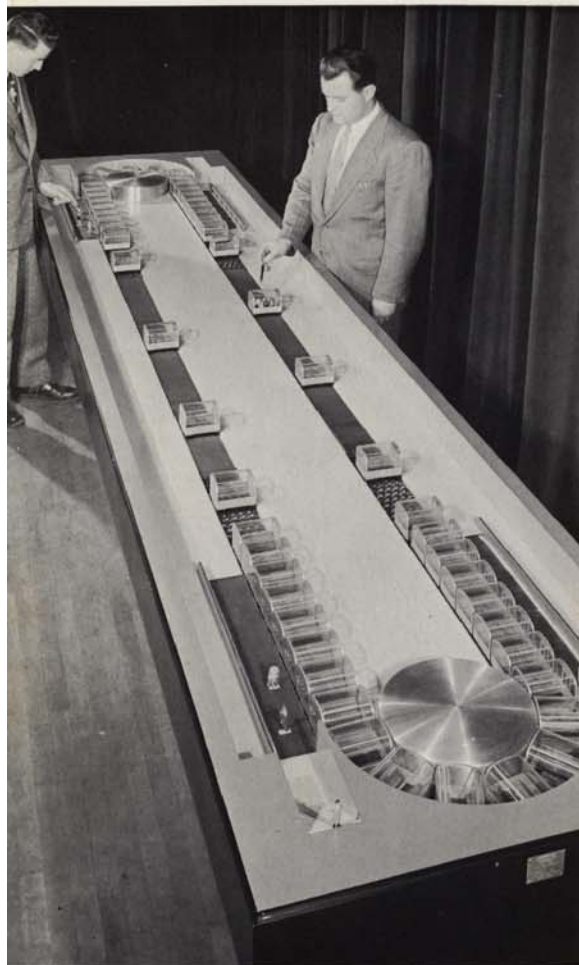


# FOR SPECIAL *One-of-a-Kind* REQUIREMENTS... TOPPING *Hand-Made* MODELS

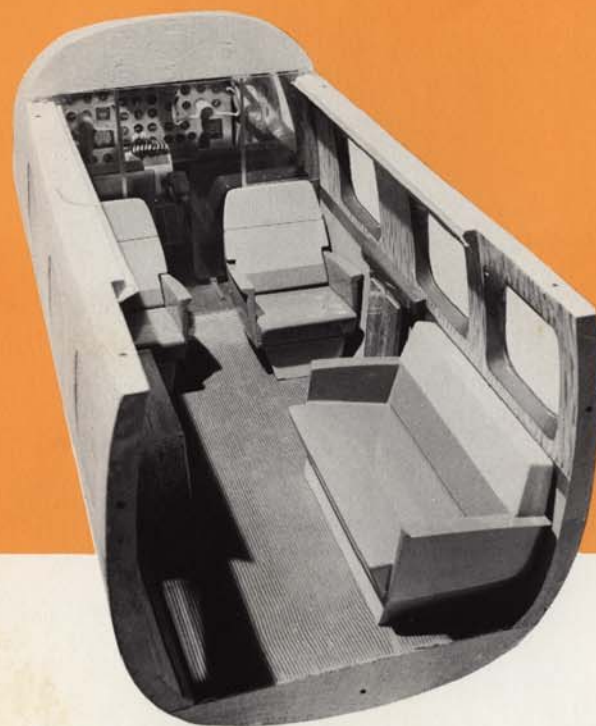
For trade shows and exhibits... for special presentations of large scale projects or equipment—wherever only one or two replicas are needed—Topping, Inc. will build them by hand, with the care and precision that has made Topping the most respected name in the model-making field.

When necessary, action can be incorporated to dramatize operating characteristics and effectively bring out design and construction features.

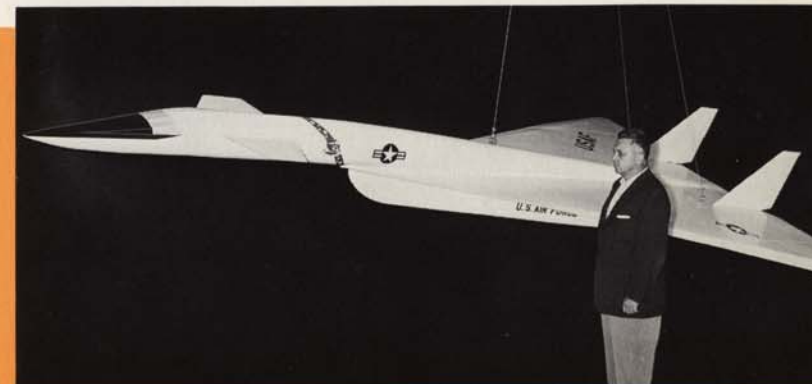
The models shown on this page are typical of those hand-made by Topping for occasions requiring only one or two models of a kind.



Visitors examine the model of a proposed conveyor-belt subway that may ease transportation problems in large cities. Topping, Inc. built the working exhibit for Goodyear and Stevens-Adamson manufacturers.



Here, a Topping model is used to show details of an aircraft cabin arrangement.



The feature display at the 1960 Air Force Association Convention was a 19-foot Topping scale model of the B-70 SAC Bomber, which was also carried in the 1961 Inaugural Parade for President Kennedy.



This striking hand-made model of the Sikorsky S-65 Flying Crane measures over 30" in length.



# THEY'RE IN THE SMITHSONIAN...



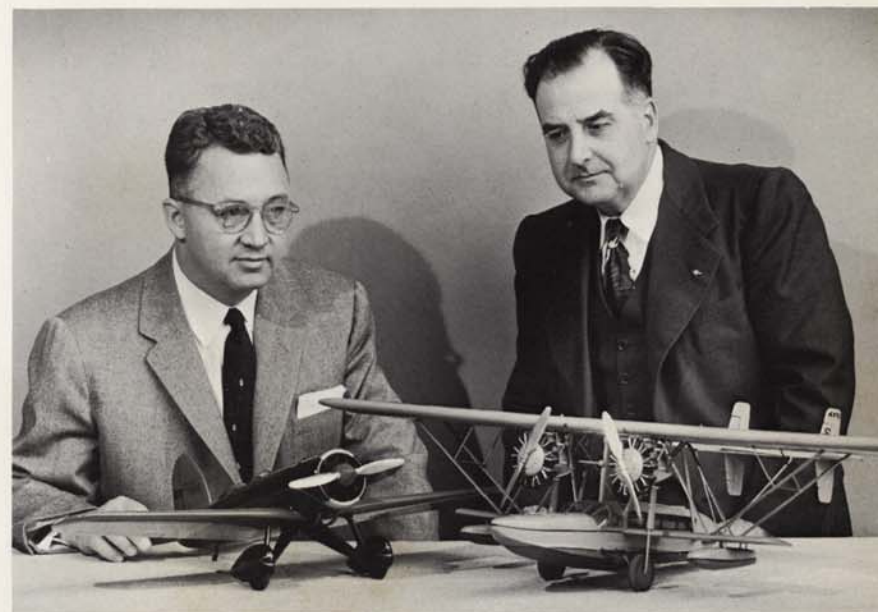
Some two years after Lindbergh's famous flight, the newly formed National Air Museum of the Smithsonian Institution acquired his plane, the "Spirit of St. Louis." Dr. Paul Garber, Head Curator, began the acquisition of famous aircraft and models for the historic exhibit.

One of Dr. Garber's first requests was for E. W. Topping, later founder of Topping, Inc., to donate to the Smithsonian a model of the Sikorsky S-38 Amphibian, which he had built. The S-38 was a forerunner of airplanes used in early trans-oceanic passenger service. The 45-inch wingspread model is still on exhibit today and has always been a popular showpiece.

Since that time Topping has been a regular contributor to the National Air Museum at the Smithsonian. He has produced a number of exhibition models for aircraft concerns which have been included in both Navy and Air Force Exhibits at the Museum.



This Sikorsky S-38 Amphibious Flying Boat built by Topping was one of the first model planes ever placed in the Smithsonian. The model has a 45-inch wingspread.



Here Dr. Paul Edward Garber (right), Smithsonian Curator, and E. W. Topping examine an early Sikorsky Flying Boat model and a miniature of the Lindberghs' Lockheed Sirius, used in their 1931 world tour.



# TOPPING'S SPECIALIZED PRODUCTION METHODS

- ***Produce Models of Unsurpassed Quality***
- ***Insure Prompt, "On-Time" Delivery***

Producing models which are accurate in every detail is a demanding process. Each Topping Model consists of dozens of tiny parts which must be precisely cast and finished, then carefully assembled into a sturdy unit which is authentic to paint scheme and markings.

Topping, Inc.—a pioneer in the field of engineering and producing sales miniatures—has developed unique production methods to coordinate the wide range of complex steps involved, from scheduling the flow of myriads of pieces into sub-assemblies, thence into the final product.

Topping's highly skilled personnel, working with modern machinery and equipment, have rightly earned a reputation for meeting delivery promises at competitive prices.

(1) Patterns and master models made by Topping craftsmen are faithfully reproduced with machines such as this Gorton Duplicator.

(2) Modern injection molding machines make it possible to fill orders necessitating millions of component parts.

(3) Fiberglass models—unusually large replicas or those with limited quantity requirements—are carefully gone over by hand after removal from the molds to insure flawless surfaces.

(4) As many as 22 painting operations may be performed on a single model.

(5) To insure the high quality for which Topping, Inc. is known, many of the production operations must be performed by hand. Here, decals are accurately positioned and final assembly and inspection take place.

(6) Careful attention to the design of individual cartons insures against breakage, which in turn leads to satisfied customers.





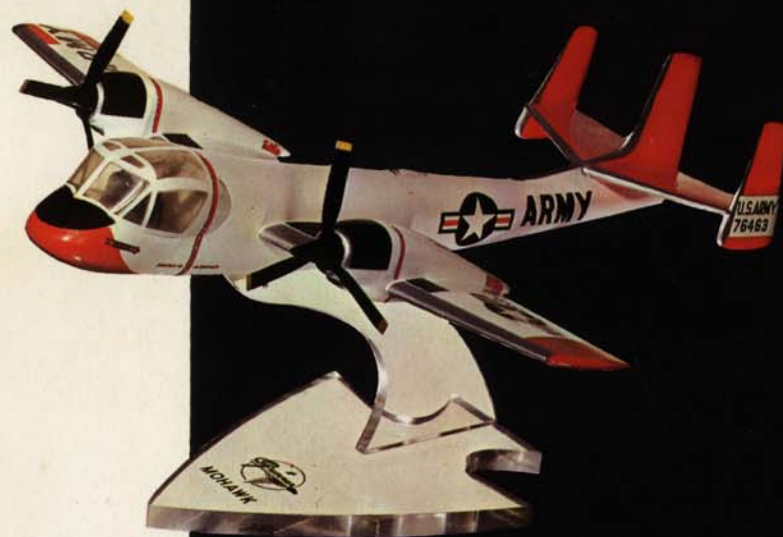
## Among the important corporations whom Topping has been privileged to serve are

Aerojet-General Corporation  
Allison Division, General Motors Corp.  
American Airlines  
Avco Research & Advanced Development Div.  
Avro Aircraft, Limited  
Beech Aircraft Corporation  
Bendix Products Div., Bendix Aviation Corp.  
Berger Division, Republic Steel Corp.  
Boeing Airplane Company  
Canadair, Ltd.  
Canadian Pratt & Whitney Aircraft Co., Ltd.  
Cessna Aircraft Company  
Chance Vought Corporation  
Convair Division, General Dynamics Corp.  
Douglas Aircraft Company, Inc.  
El Al Israel Airlines  
Fairchild Aircraft  
General Electric Company  
Goodyear Aircraft Corporation  
Goodyear Tire & Rubber Company, Inc.  
Gumman Aircraft Engineering Corporation  
Hercules Powder Co.  
Hughes Aircraft Company  
Kaman Aircraft Corporation  
Lockheed Aircraft Corp.  
Lockheed Aircraft Corp., Georgia Division  
Lockheed Aircraft Corp., Missile Systems Div.  
Lycoming Div., Avco Manufacturing Corp.  
McDonnell Aircraft Corporation  
The Martin Co., Baltimore  
The Martin Co., Orlando

The Martin Co., Denver  
Massey-Harris-Ferguson, Inc.  
Mullins Manufacturing Corp.  
New Idea Farm Equipment Co.  
North American Aviation, Inc.  
North American Aviation, Inc., Columbus Div.  
North American Aviation, Inc., Missile Div.  
Northeast Airlines, Inc.  
Northrop Aircraft, Inc.  
Pan American World Airways System  
Qantas Empire Airways Ltd.  
Raytheon Manufacturing Company  
Republic Aviation Corporation  
Rocketdyne, A Division of North American  
Aviation, Inc.  
Ryan Aeronautical Company  
Sabena Belgian World Airlines  
Sikorsky Aircraft  
Temco Aircraft Corporation  
Thompson Ramo Wooldridge, Inc.  
Towmotor Corp.  
Trans World Airlines, Inc.  
U. S. Navy Special Devices Center  
The United States Stoneware Company  
Vertol Div., Boeing Airplane Co.  
Western Electric Co., Inc.  
Westinghouse Electric Corporation  
The White Motor Co.  
Wright-Patterson Air Force Base

● BACK COVER

Grumman Mohawk  
(Wingspan: 12 1/4")



**TOPPING**  
INCORPORATED

147 KENWOOD STREET  
ELYRIA, OHIO