

TECHNICAL SUPPLY CO.

MANUFACTURERS



"PLASTICO" MATERIALS

PALO ALTO, CALIFORNIA

January 12, 1940

University Museum,
University of Pennsylvania,
33rd and Spruce,
Philadelphia, Pa.

Attention: Mr. John B. Corning,
Cocle Expedition

Dear Mr. Corning:

Your Air Mail letter has been received and your interest in the Plastico Moulage materials is appreciated.

These materials are used wherever an accurate, facsimile reproduction is desired or required and with them the finest details of the original are brought out in the cast; this feature should be a decided advantage, as this is undoubtedly very important in your work. So you will have more information about the materials, we will enclose our No. 6 folder showing how they are used for scientific work, particularly the reproduction of anatomical specimens.

We are pleased to advise you that the Plastico Moulage materials are obtainable right there in your city, from our distributor

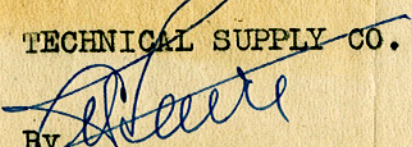
Warren-Knight Co.
136 No. 12th St.
Philadelphia, Pa.

Your letter is today being referred to them by Air Mail so it will receive prompt attention. They carry a complete stock of the Moulage materials and can supply you with an outfit such as you would need for your particular work. They will get in touch with you promptly and supply further information and prices. The Moulage materials will be a valuable addition to the equipment of your Expedition, and we know that Warren-Knight Co. will be glad to serve you.

Thanking you for writing and wishing you success,
we are

Yours very truly,

TECHNICAL SUPPLY CO.

By 
C. H. Steere, Mgr.

A FEW OF THE
THOUSANDS OF USES FOR

PLASTICO M O U L A G E
MATERIALS

**ANATOMY - MEDICINE - ORTHOPEDICS - PATHOLOGY
SURGERY**

Models for teaching (particularly in schools where cost of original models is prohibitive).

Reproductons of skin lesions.

Show progressive healing or treatment of operative wounds; gives a permanent case history.

Show operating technique (for study and future reference).

Reproduction of malformations (for guidance in making and fitting corrective appliances, braces, etc.).

Reproduction of pathological specimens (not injurious to delicate membranes).

AGRICULTURE - COMMERCE

Reproduction of perfect or imperfect fruit and vegetables for purposes of comparison, grading and study of disease.

Preservation of prize winning specimens for comparative purposes.

Reproductions for display purposes and advertising.

**ARCHAEOLOGY - BOTANY - GEOLOGY - MINERALOGY
ZOOLOGY - MUSEUMS**

Reproduce tablets, writings, hieroglyphics, temple facades, imprints, ancient objects (especially where removal is impossible).

Reproduction of fish, small animals, plants, etc., for nature study.

Reproduction of fossils, rare specimens and museum pieces.

Reproduction of scientific exhibits.

ART - CAMPS - SCHOOLS

Reproduction of statues, sculptured pieces, models, arrow-heads, etc.

Instruction in modeling, mask making, busts, etc.

(Over)

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BEAUTICIANS - COSMETOLOGY - DERMATOLOGY

Portrait masks (reproduction of fine detail permits study).

CRIMINOLOGY - LAW ENFORCEMENT AGENCIES

CORONERS

Reproduction of tools, tool marks, wounds, guns, etc., for court records.

Making masks of unidentified dead for later identification.

Reproduce tire imprints, automobile bumpers (especially in hit and run cases).

Preservation of foot prints and other perishable evidence (even when made in dust or soft dirt).

PLASTICO

Moulage materials always have this Trademark. Be sure to INSIST ON genuine Plastico.

DENTISTRY - ORTHODONTIA

Mask prior to complete extraction assists in restoration of facial contour and expression.

Mouth impressions to restore natural occlusion.

Show progress in straightening teeth.

MECHANICS - ARCHITECTS

Preservation of models.

MORTICIANS - EMBALMERS - FUNERAL DIRECTORS

Death masks.

Replace or reproduce missing parts of bodies in Restorative Art.

Life masks and busts (as such, or for photographing).

PLASTIC SURGERY

Record of original condition (prevention of damage suit).

Study and planning prior to operation.

WRITE FOR FULL INFORMATION ON ANY SUBJECT
IN WHICH YOU ARE INTERESTED

TECHNICAL SUPPLY Co.

MANUFACTURERS

SUCCESSOR TO

CALIFORNIA ART SUPPLY CO.

Dept. D.

PALO ALTO, CALIFORNIA

AD1998-8.2



PLASTICO MOULAGE MATERIALS

*Make Perfect Facsimile Reproductions of
Any Part of the Human Body.*

*Perfectly Adapted to All Branches of
Science, Art and Medicine*



No. 1

There is a definitely recognized value to perfectly accurate reproductions or facsimiles. Rapid strides have been made in the past few years in the development of materials that will give perfect results with the minimum of time and expense.

The illustrations shown here give an idea of the unlimited possibilities of Plastico Moulage materials. These materials have been developed and perfected over a period of years and are now being used in every branch of science and art in every part of the United States and many foreign countries. For example, in the Study of Anatomy, Physiology, Pathology, Neurology, etc., Plastico can be of great value.

Pathological specimens, such as lesions, pre- and post-operative conditions, etc., which cannot be preserved in their original state or handled extensively can be reproduced for future examination, analysis and study. The Moulage is aseptic, does not affect color or texture of tissues to which applied and does not harm them in any way. Melting it to prepare it for use renders it sterile. (It is more dependable than a photograph as light, time exposure, etc., are not entering factors and the third dimension, depth, is produced.) Preservation, then study, of existing organic and systemic conditions are valuable in determining the course of therapy.

If you have just a limited supply of anatomical specimens you may make reproductions of the originals. Each student may then have specimen copy for study.

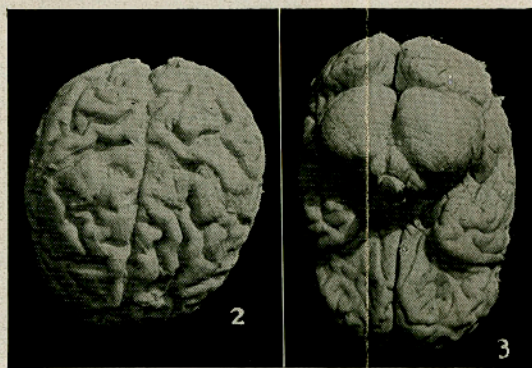
Serial reproductions are of great value as evidence showing whether or not effective procedure is being followed in course of treatment.

Biological specimens, alive or dead, may be preserved through reproduction.

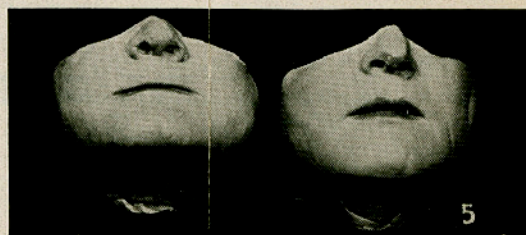
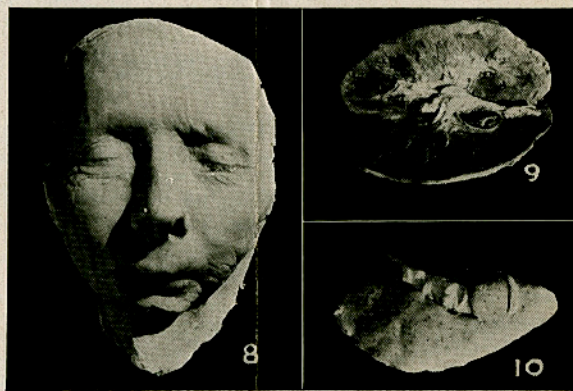
In Plastic Surgery a mask is indispensable — it can be used when patient is not available to study effects. A pre-operative mask is convincing evidence and proof of transformation.

For dentists and orthodontists — Restoration of facial contour and expression through proper occlusion simplified by study of mask made before complete extraction. Neural orifices in mandibular and maxillary structures shown in casts are very helpful to dental students in study of anesthesia.

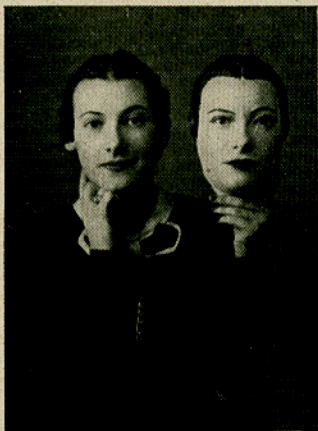
Study of casts of osseous malformations helpful both for treatment and for determination of necessary supports or braces. Orthopaedic surgeons will find these casts to be of great value.



1. Cast of cross section of human head at level of ears, mastoids, upper lip, parotid glands, maxillary sinuses showing mastoid air cells at tip of left temporal bone.
2. Cerebrum.
3. Base of brain in normal young adult.
4. Skull and Posmoulage reproduction.
5. Facial restoration with dentures before and after.



7. Cast of mid line section of human head.
 8. An after treatment case of Carcinoma of the mandible.
 9. Normal kidney cut in section.
 10. Normal kidney whole.
- Nos. 1 and 7 Courtesy Dr. Harold L. Snow, San Pedro, Calif.
2, 3, 5, 8, 9, 10, Courtesy Dr. C. G. Grover, Denver, Colo.
4, Courtesy Mr. Geo. A. Weber, Consulting Criminologist.



Front face comparison.
Courtesy Dr. Edward Beroud.



Mask with the eyes carved open. Note the perfectly natural expression. This is easily accomplished with a little practice



Profile Comparison

THE MATERIALS AND HOW USED

No special training or experience is necessary to get wonderful results with Plastico Moulage materials. A very little practice in making some of the most simple casts will enable one to quickly acquire the necessary technique.

THE MOULAGE is the material that makes the negative mould. It is a gelatinous material that is heated in an ordinary double boiler; when liquified, it is cooled to the proper temperature and applied to the object with a brush. No preparation of the object is necessary as Plastico Moulage, when cool, will not adhere to anything. It is like flexible rubber when cool and will take quite decided undercuts perfectly. The Moulage may be used over and over as many as a hundred times; this makes it very inexpensive.

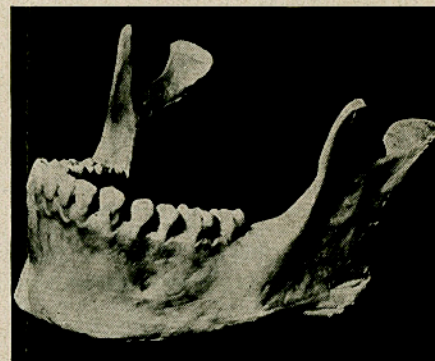
THE POSMOULAGE is the material that makes the positive casts, such as shown in the illustrations here. It is a hard, wax composition that takes from the negative mould every minute detail and perfectly preserves it. Posmoulage withstands both heat and cold and a cast may be kept indefinitely. If at any time a cast has no further value, it may be melted and used again.

POSOFIL is a filler, or strengthening material for the inside of the Posmoulage casts.

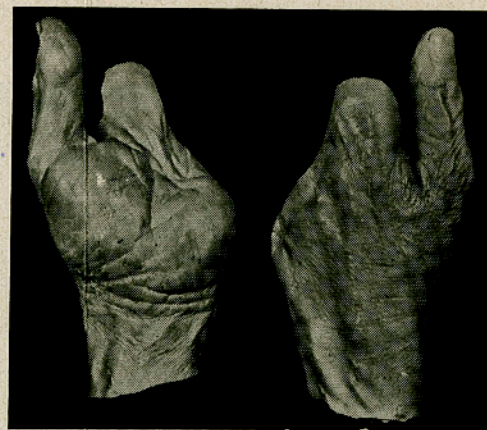
Other accessories, such as color sets, brushes, spatulas, syringes, mask frames, etc., are all listed at very reasonable prices when desired.

The making of masks and even full heads is one of the very popular uses of the Plastico materials. Special illustrated folders on mask making are available and will be supplied free on request.

Plastico is practical, it is easy to use, and it is economical. The results are almost uncanny in their accuracy. No previous experience or special training is necessary. You will have our cooperation at all times to enable you to accomplish just the results you desire. You can secure any amount of material you wish or an introductory combination at a special price.



Reproduction of Mandible.
Note fine details in the cast.



The front and back view of a hand that was maimed in a woodworking machine. A striking exhibit for a jury or a safety campaign.

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THE CALIFORNIA ART SUPPLY CO.
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