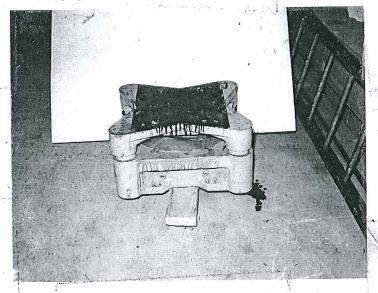
Appendix V. Photographs of High-Pressure Process of Manufacturing the Helmet Liner

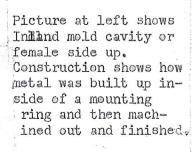
LINER HELMET MOLDS INLAND MANUFACTURING COMPANY



Picture at left shows
Inland mold force or
male side up. Showing
large guide pins, and
Spider type construction.

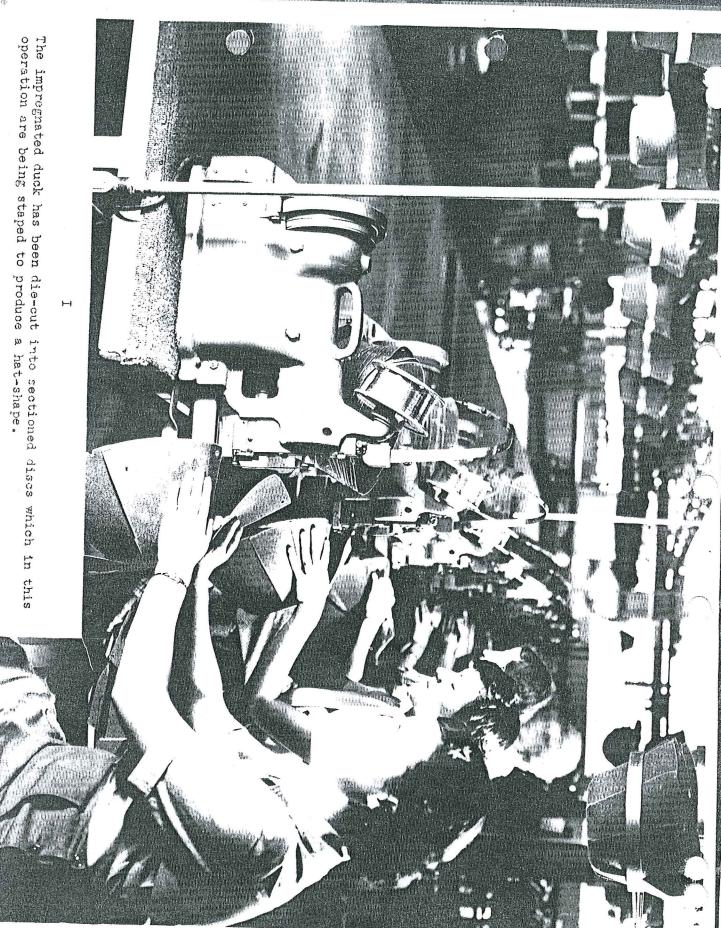


Pictur at left shows Inland mold dlosed and in molding & curing position. Curing cycle three to four min.

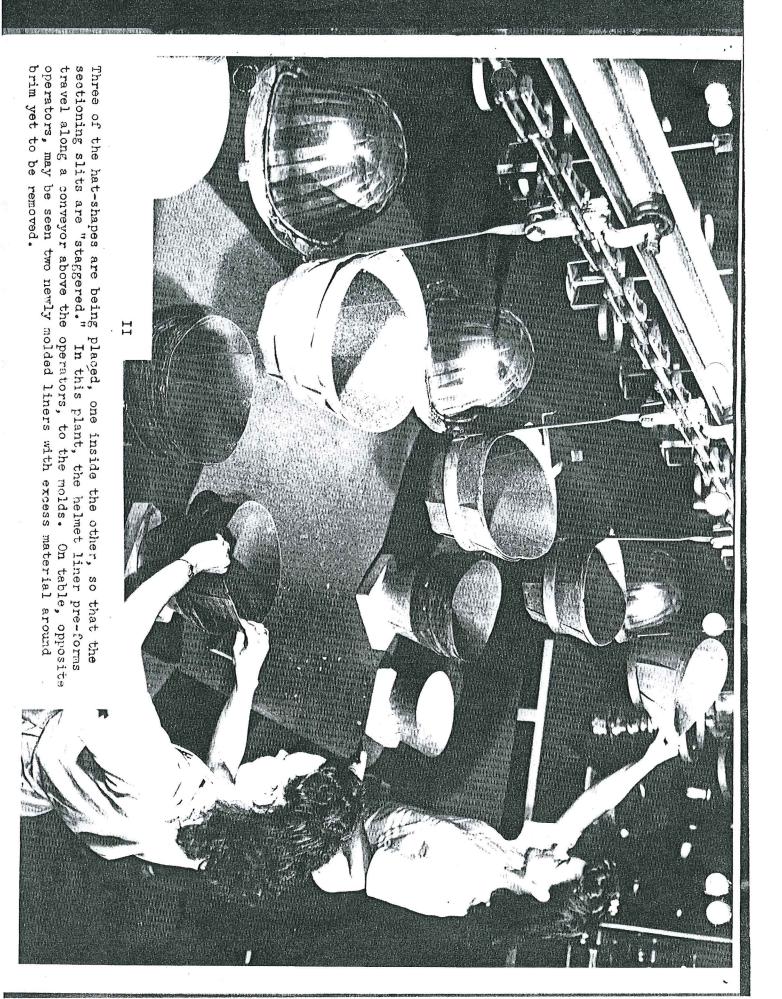


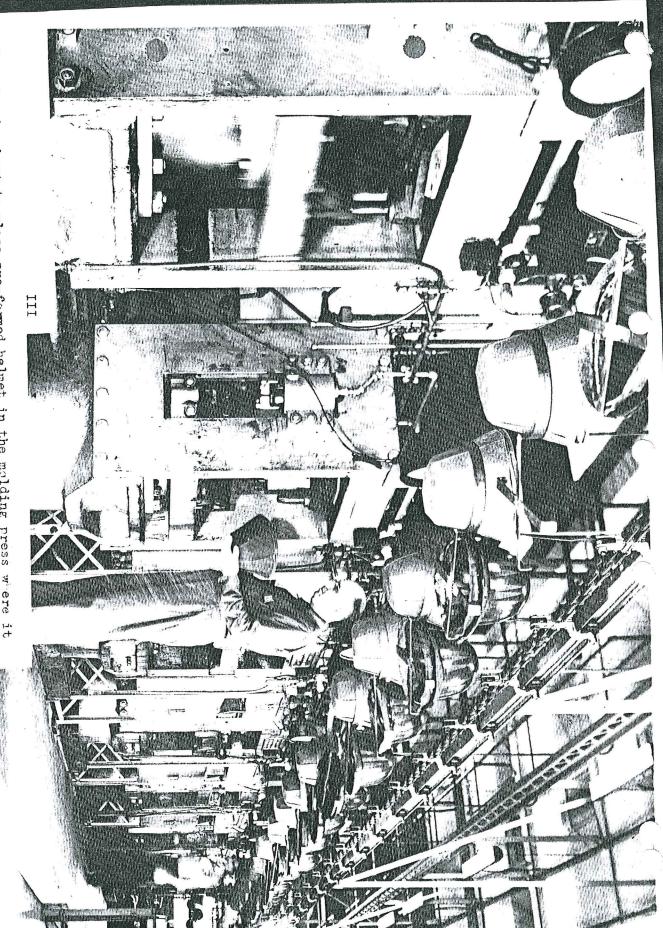
Pictures taken by Westinghouse Elect Co. Hampton, S.C. during Inspection and testing contract.

Mer 56-

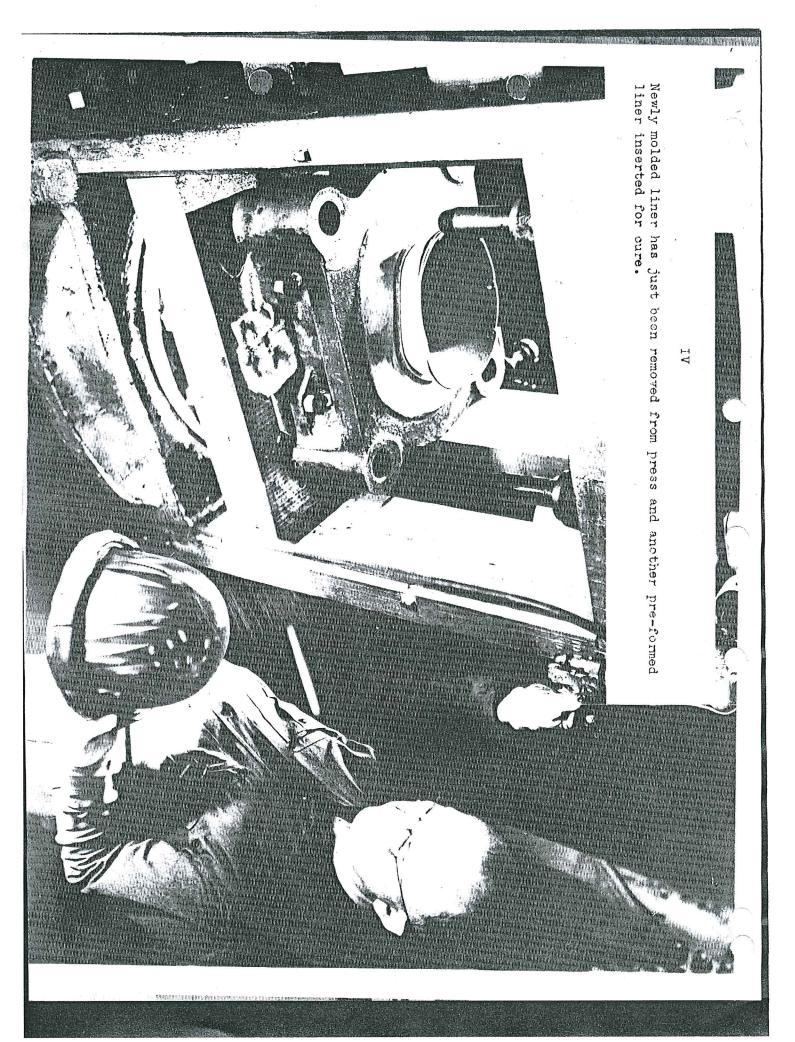


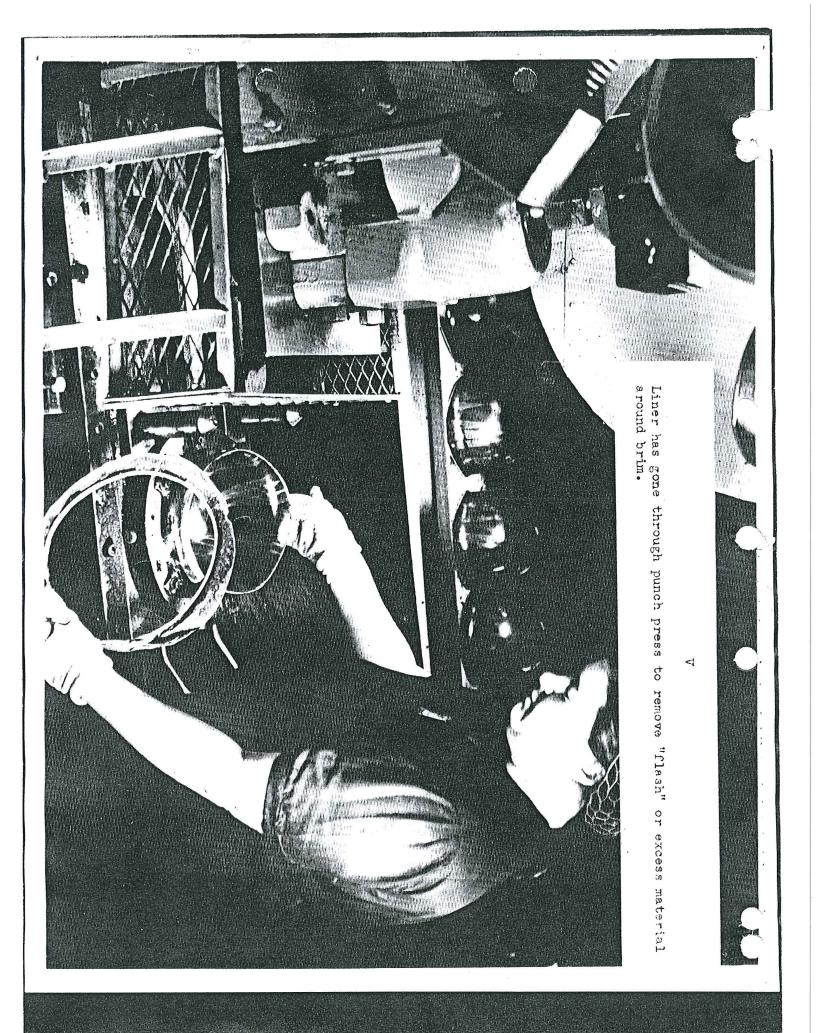
W. War

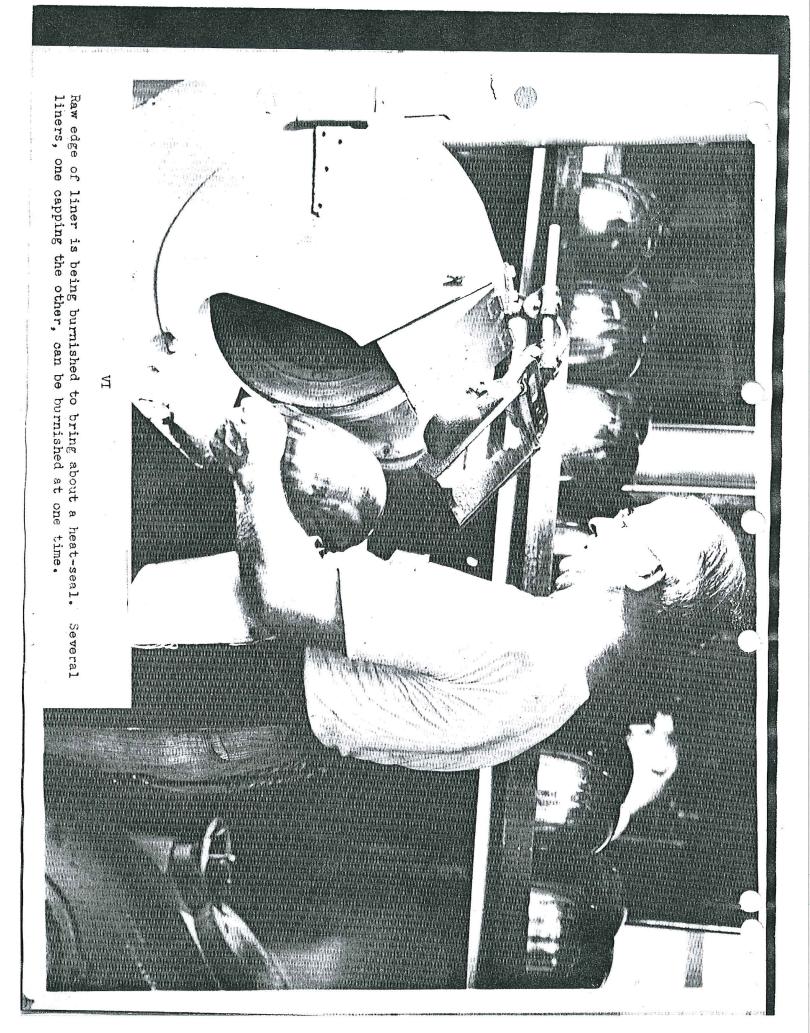


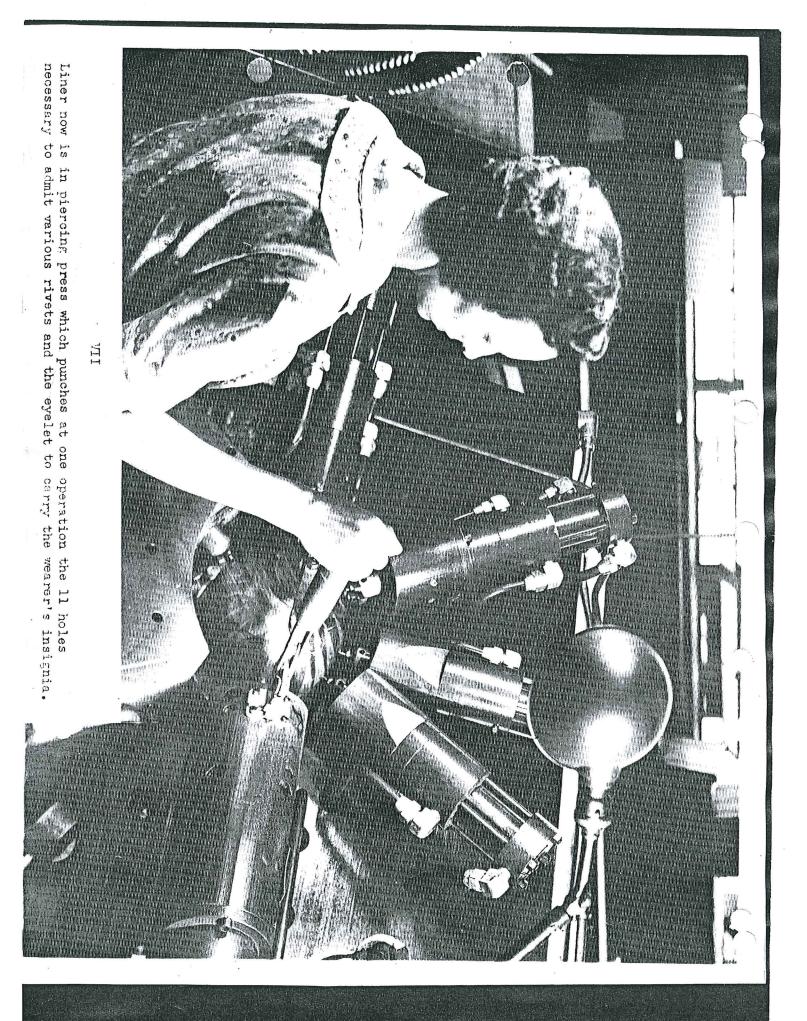


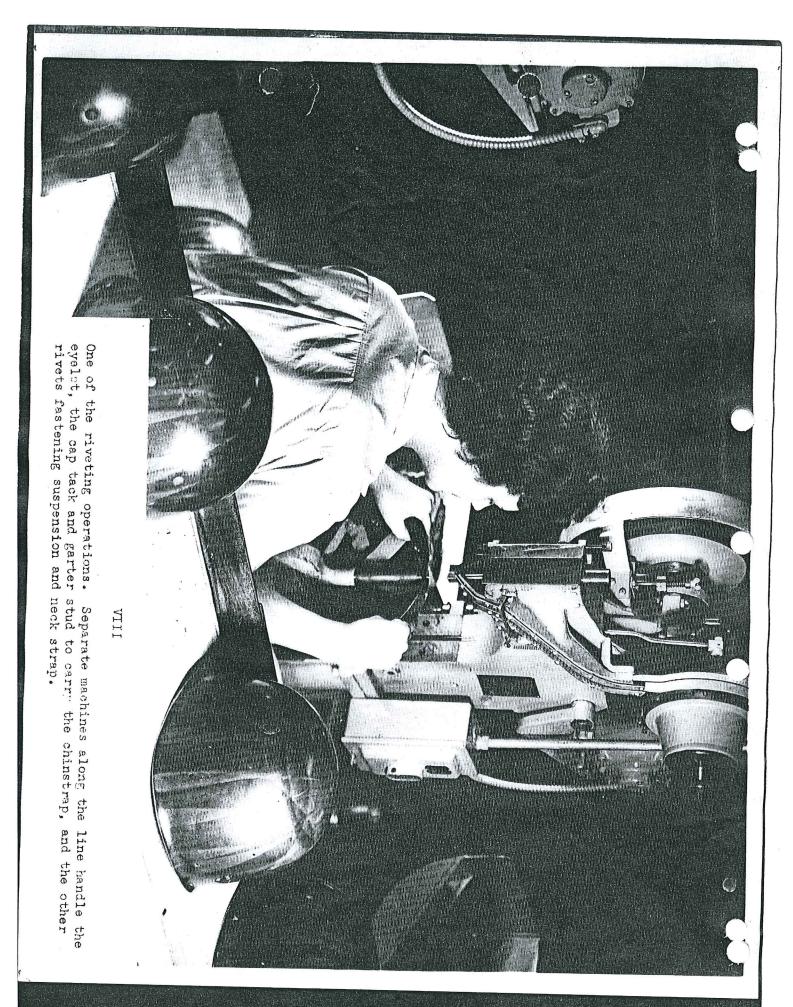
Operator is about to place pre-formed helmet in the molding press where it will be given two minutes' cure at 2200 F., under pressure of 150 tons. Above operator are two conveyor lines: one of pre-formed liners, and one of newly molded liners.

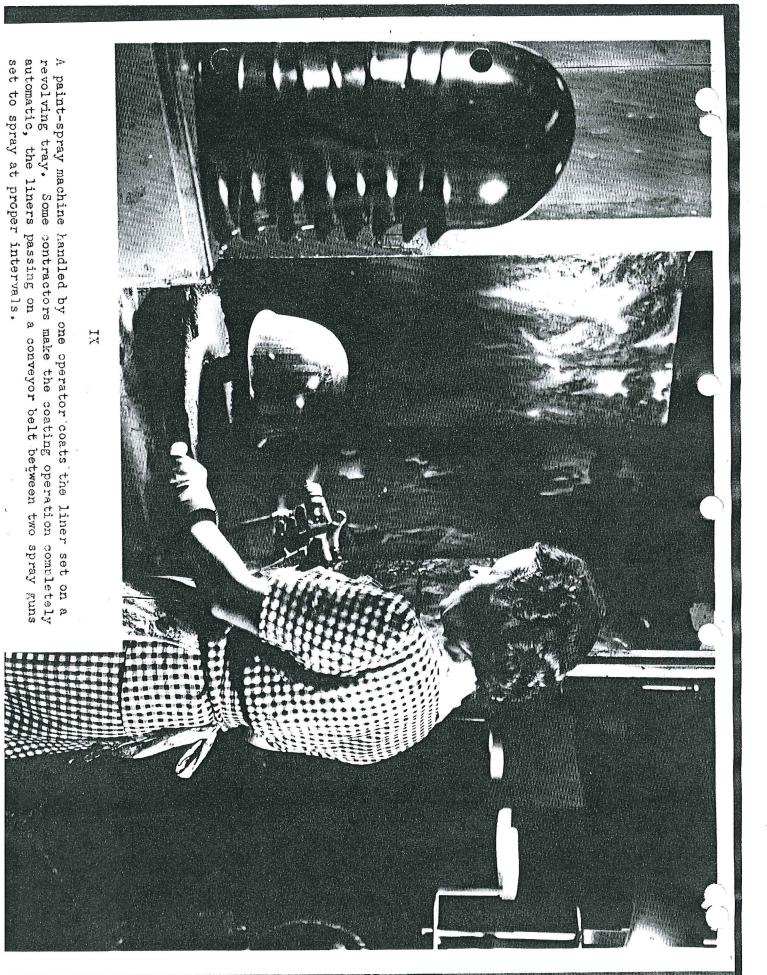


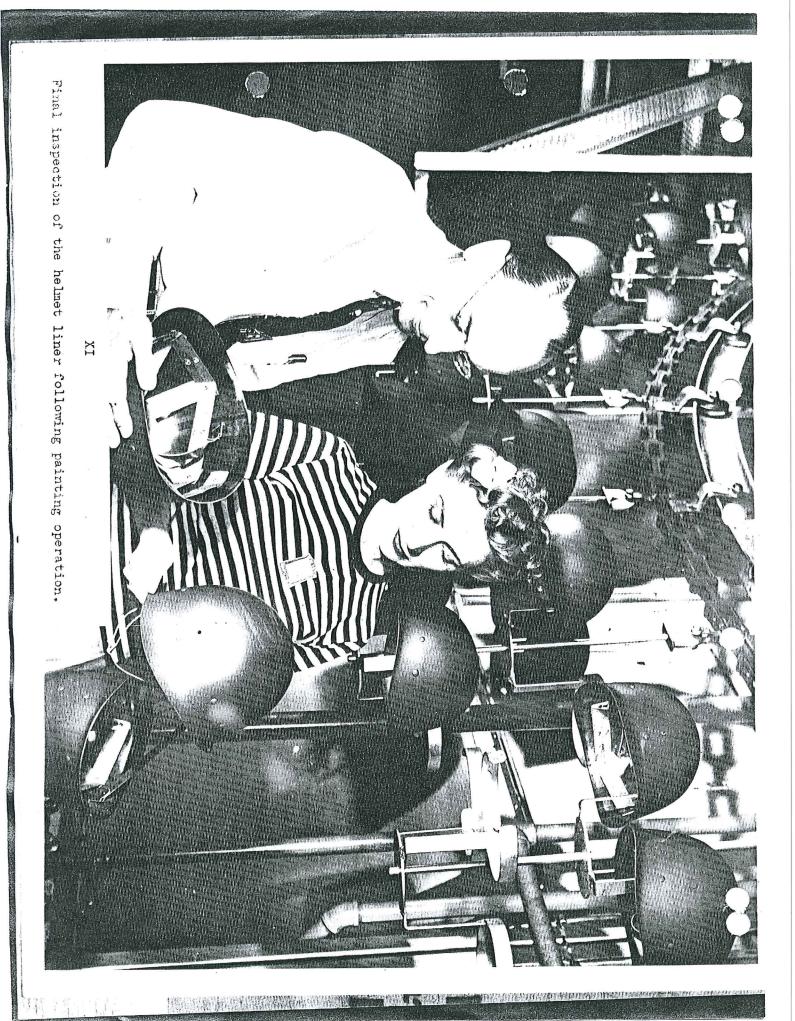


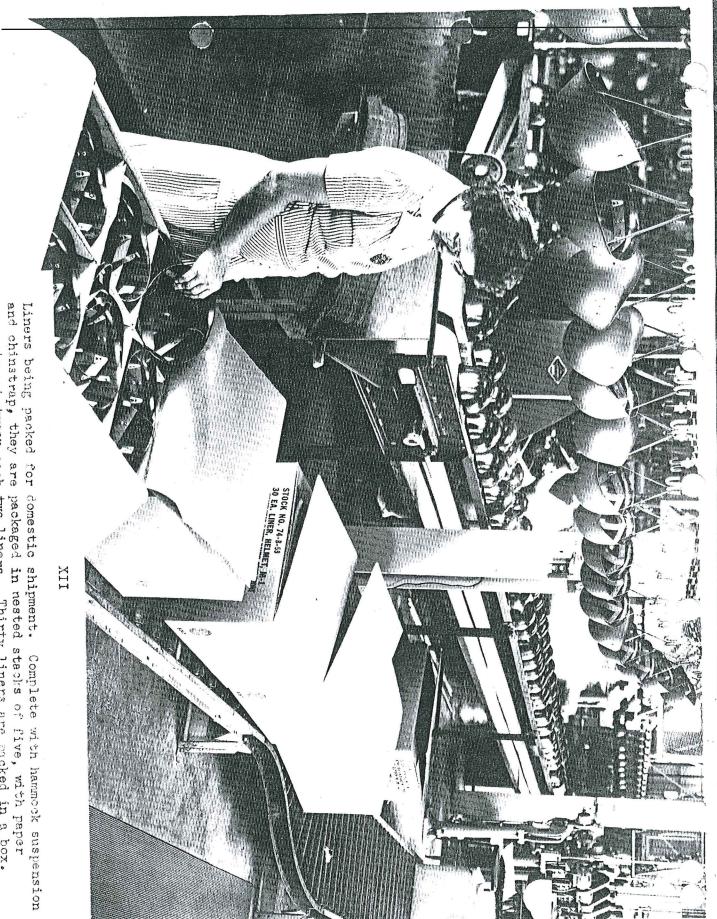




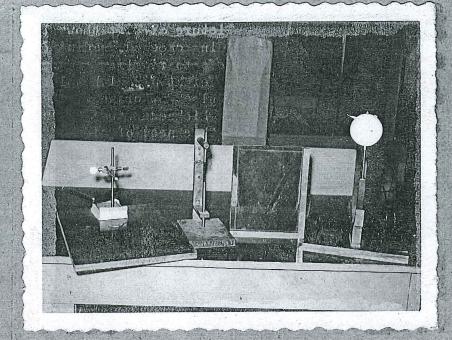


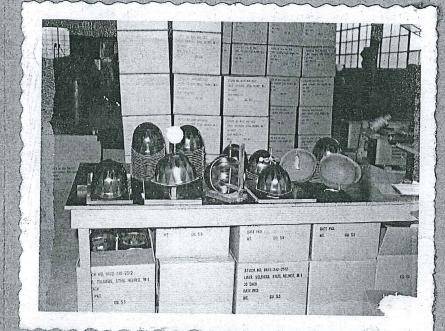






separators between each two liners. Thirty liners are packed in a box. PICTURES TAKEN AT THE KEQUEST OF M.C. FRATT BY WESTINGHOUSE ELECTRIC CORP QFEB1956. TO SHOW TYPE OF CRUSES + TIGS BEING USED TO WERSURE HELMET LINER SHELLS FOR CORRENT CONTRACT.







followinf gauges and jig use by Westinghouse Electric Con Hampton.S.C. Reading from left to right

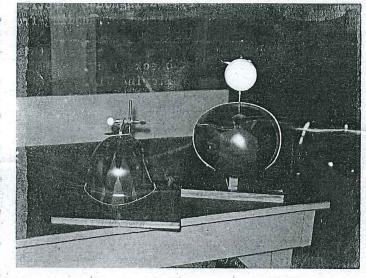
- 1. Height Gauge and tolerand check block.
- 2. Flexing Jig.
- 3. Go no Go Gauge.
- 4. Thickness gauge.

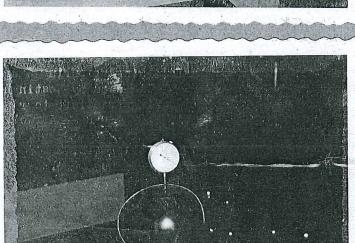
Picture at left shows the following measuring Gauges and Jig used by Westinghous Reading from left to right:

- 1. Height Gauge and Toleran block.
- 2. Flexing Jig.
- 3. Go No Go Gauge.
- 4. Thickness Gauge.

Picture at left shows the following Gauges and Jig used by Westinghouse to measure liner shell for Width and length-thickness-Flexing. Reading from left to right:

- 1. Go No Go Gauge.
- 2. Thickness Gauge
- 3. Flexing Jig.





Picture at left shows liner shells being checked. Reading from left to right

1 - 1 - 5m

- 1. Height Jig with tolerance block at crown of shell
- 2. Thickness Gauge measuring thickness of side of liner shell

Picture at left shows liner shell being checked at side measurement point for thickness