



## FURNACE COVERS

Covering the top of a salt bath furnace when it is not being used is simply sound economics. A well-designed, properly insulated cover can reduce heat losses as much as 50% when the cover is put in place during idling or down periods. Ajax has developed many different types of covers over the years for various furnaces types and applications. These cover designs are of three basic types:

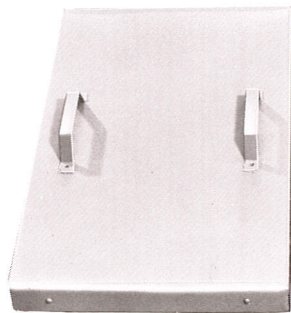
- 1) **Pan type** - light weight, low profile using suitable insulation between a welded steel shell. (Limit: 1000° F)
- 2) **Castable Type** - heavy, high profile employing castable cement between the welded steel shell. (Limit: 2400° F)
- 3) **Ceramic Fiber type (new)** - light weight, medium profile using 1" x 6" strips in multiple vertical layers between the welded shell. (Limit: 2400° F)

Two basic methods of handling furnace covers have been employed; lifting and rolling. Lift-type covers are limited to relatively small furnaces using either the light weight pan cover or ceramic fiber design. Rolling-type covers, however, can be manually operated via hand wheels; air-operated through air cylinders and appropriate linkage; or electrically operated through an electric motor and a crank mechanism.

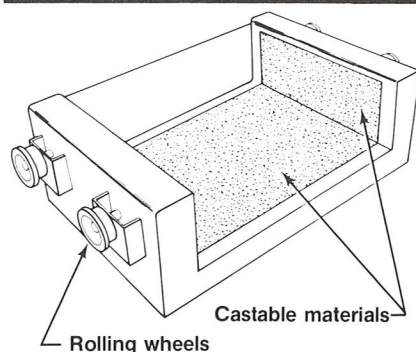
### Covers Wear Out, Too

After extensive use, even covers can lose their efficiency and should be repaired or replaced.

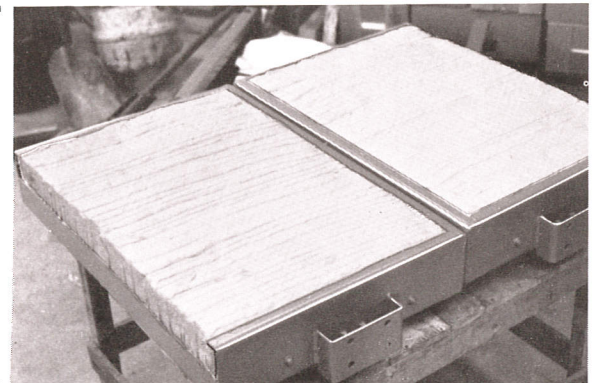
The Ajax Spare Parts Department is equipped to handle repair/replacement or covers on any Ajax salt bath furnace as well as competitive furnaces — if the critical furnace dimensions, operating temperatures and application are known.



**Pan type cover** — for relatively small work areas and temperatures up to 1000° F.



**Castable cover** — bottom view shows installation of castable material on cover top and sides.



**Ceramic Fiber covers**—bottom side illustrates layering of the insulation.

(Clip, complete and mail to AJAX ELECTRIC COMPANY)

Proceed with repairs or replacement parts, use our P.O. # \_\_\_\_\_

(or)

Please advise costs and delivery.

(For quick reply call **Ajax Spare Parts Dept. (215) 947-8500**)

Cover for Ajax furnace Serial # \_\_\_\_\_

Cover for salt bath (drawing enclosed)

Describe application: \_\_\_\_\_

\_\_\_\_\_

**COMPANY** \_\_\_\_\_

**ADDRESS** \_\_\_\_\_

**CITY** \_\_\_\_\_ **STATE** \_\_\_\_\_ **ZIP** \_\_\_\_\_

**Name of Authorized Person** \_\_\_\_\_ **PHONE NO.** \_\_\_\_\_

# AJAX

ELECTRIC COMPANY



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