

HISTORIC AMERICAN ENGINEERING RECORD
INDEX TO PHOTOGRAPHS

HAER
ALA
37-BES
5C-

SOUTHERN DUCTILE CASTING COMPANY,
CORE MAKING
2217 Carolina Avenue
Bessemer
Jefferson County
Alabama

HAER No. AL-125-C

NOTE: Photographer Jet Lowe, August, 1995. All photographs
shot at 2500 ASA with a yellow filter 5000 ASA

- AL-125-C-1 REDFORD CORE MAKING MACHINE. RESIN
IMPREGNATED SAND IS BLOWN INTO THE
HEATED CORE BOX THAT SETS THE RESIN
CREATING THE HARDENED CORE SHOWN HERE.
- AL-125-C-2 REDFORD CORE MAKING MACHINE WITH THE
CORE BOX CLOSED, HEATING AND FIXING THE
RESIN.
- AL-125-C-3 BEARDSLEY AND PIPER (B&P) CORE BLOWING MACHINE.
VIRGINIA BLAKELY MANUALLY FILLING SAND MAGAZINE
THAT WILL ROTATE WITH THE CORE BOX, FILLING IT
UNDER PRESSURE SIMILAR TO THE CORE MACHINE IN THE
BACKGROUND.
- AL-125-C-4 BEARDSLEY AND PIPER ROTOMOLD CORMATIC, WITH CORE
BOX CLOSED. WILLAM SEAL STACKS CORES IN
FOREGROUND.
- AL-125-C-5 BEARDSLEY AND PIPER ROTOMOLD CORMATIC ROTATING TO
POSITION THE EMPTY CORE BOX UNDER A FULL MAGAZINE
AND THE FULL CORE BOX TO AN OPEN POSITION TO ALLOW
CORE REMOVAL. WILLAM SEAL STACK CORES IN
FOREGROUND.
- AL-125-C-6 WILLIAM SEAL PLACING COMPLETED BEARDSLEY AND PIPER
ROTOMOLD CORMATIC CORE ON A SHORT CONVEYOR THAT
TRANSPORTS IT TO WAITING STORAGE BOXES.
- AL-125-C-7 WILLIAM SEAL USING A HAMMER TO LOOSEN A BEARDSLEY
AND PIPER ROTOMOLD CORMATIC CORE FROM ITS CORE
BOX.
- AL-125-C-8 WILLIAM SEAL REJECTING AN INCOMPLETE OR IMPROPERLY
SET BEARDSLEY AND PIPER ROTOMOLD CORMATIC CORE.

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AL-125-C-9 OVERALL VIEW OF SOUTHERN DUCTILE'S BESSEMER CORE ROOM SHOWING REDFORD, B&P, AND BEARDSLEY AND PIPER ROTOMOLD CORMATIC MOLDING MACHINES. OUT OF VIEW TO THE LEFT, SOUTHERN DUCTILE MAINTAINS AN AUTOMATED LAEMPE COLD BOX CORE MAKING MACHINE.

AL-125-C-10 OVERALL VIEW OF SOUTHERN DUCTILE'S BESSEMER CORE ROOM SHOWING REDFORD, B&P, AND BEARDSLEY AND PIPER ROTOMOLD CORMATIC MOLDING MACHINES. OUT OF VIEW TO THE LEFT, SOUTHERN DUCTILE MAINTAINS AN AUTOMATED LAEMPE COLD BOX CORE MAKING MACHINE.