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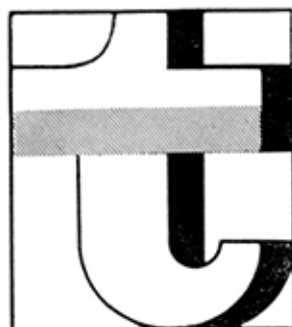
# POLISH TECHNICAL REVIEW





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## FOUNDING

The Polish industry which has a number of achievements in the production of modern casting machinery and equipment, is also known for its excellent technology and new components of casting compositions. Three articles present some of the Polish achievements in founding: Foundry Mould and Core Technology (page 2), Foundry Binders (page 4) and Semi-continuous Casting of Pipes with Formed Sockets (page 6).

## VORTEX VENTILATION

The search for effective solutions of lowering the concentration of air pollutants has led to the development of a vortex ventilation method based on natural phenomena. Vortex ventilation, applied in a welding hall gave excellent results combining the advantages of the exhaust and stream type air exchange. It has been found that the cost of the material, assembly and operation of the vortex ventilation system account for 25% only of the cost involved in traditional ventilation. The solution is protected by patent. For further details see p. 10.

## CATAMARAN PILOT BOAT

The Polish shipbuilding industry boats of excellent fishing and freight ships (including chemical carriers, LPG vessels, container ships and bulk-carriers of the OBO type and others) as well as passenger-and-freight ferries. At the margin of this big industry other original designs are developed which, because of their sometimes limited size, remain little known. A design of this type is the Catamaran boat (see cover photo), a pilot boat developing the speed of 17 knots, unknown in this type of vessels and yet indispensable for the servicing of a modern port. The construction design and advantages of the Catamaran boat are discussed on page 15.

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