

WHAT?!!
CLEAN MOTORS
WITH CORN?!!

YES!

Pangborn's "Corn Grit"
AC-4 Blast Machine
CLEANS Diesel-
Electric Motors
WITHOUT SOLVENTS!



**SAVES TIME
BECAUSE DRYING
PERIODS ARE
UNNECESSARY!**



The Pangborn AC-4 Blast Machine cuts down-time to less than half by *eliminating waiting for parts to dry... by cleaning faster... by requiring no dismantling in most cases.* It uses soft 20-mesh corn cob grits to remove dirt, grease, old paint, etc. quickly and efficiently, without harming coils and other delicate parts. Look at these features:

- Cleans in less than half the time of other methods
- Requires no drying periods
- Material costs average 90% less than old-fashioned methods
- Does better job, leaves parts clean and bright
- Eliminates toxic hazards of solvents
- Portable—easily moved from job to job

Write for complete information, telling us what you clean, to: PANGBORN CORPORATION, 90 Pangborn Boulevard, Hagerstown, Maryland.

Look to Pangborn for the latest developments in Blast Cleaning and Dust Control equipment.

Pangborn
BLAST CLEANS CHEAPER
with the right equipment for every job

More POWER NEWS

Begin on page 162

mit Red Cross Campaign, the annual campaign of the Overlook Hospital at Summit, the "Annual Giving" Campaign of Princeton University and the Building Fund of the Presbyterian Church at Madison. He is a member of the Ballusrol Club of Springfield and of the Pine Valley Club.

Mr and Mrs McGraw have a daughter, Mrs J T McBroom of Roanoke, Va., and two sons, Donald C Jr, a member of the advertising sales staff of Product Engineering, and John Loula, now in the U. S. Navy.

Other officers of the McGraw-Hill Publishing Co continue unchanged.

Some Pro's and Con's on Atomic Energy

NORTH CAROLINA STATE COLLEGE and the Atomic Energy Commission have signed an agreement that opens the way for immediate operation of the first university-owned nuclear reactor in the nation. Under this contract, AEC will loan the College enough fissionable uranium 235 to fuel the "Raleigh Research Reactor" recently constructed in a new building on campus.

This agreement culminates a project that has been under way since June 1950 when the college, under contract with the AEC, initiated design and construction of a low-powered research reactor. The reactor assembly and most of the pre-operational tests are now complete. Loading of fuel and initial operation will begin as soon as the fissionable material arrives from AEC.

The reactor, designed and built with university funds, will supply experience to students in nuclear engineering, a new curriculum initiated by the college in 1950. North Carolina State was the first educational institution to approach AEC with a proposal to design, build and operate a research reactor. Since that time, several other institutions have proposed similar projects.

RICHARD MARCH, staff assistant in the reactor division of the Chicago operations office of the AEC, claims that it is one thing to produce power by nuclear fission, another to do it economically. Speaking at a recent meeting of the Illinois chapter of the American Society of Heating and Ventilating Engineers, March stated that our estimated future power consumption makes necessary a fuel substitute.

Industrial feasibility of nuclear power, he continued, depends on many factors and, in his opinion, such power cannot compete now or in the near future with established industrial fuels. (Continued on page 260)

DOW CORNING
5 SILICONE
COMPOUND

Repels Water
Protects
Lubricates
Insulates

Pole-Top Disconnect Switches

Proved effective as a switch lubricant; also as a release agent to keep switches operable under king conditions.

Switch Clips, Nings and Bearings

A mixture of zinc dust with Dow Corning 5 Compound serves as a lubricant and oxidation inhibitor. Zinc dust assures adequate conductivity. One application gives 2 to 3 years' protection.

ASCR Wire Spikes

Applied to both the aluminum and steel conductors, compound flows under pressure around the spliced wires to fill voids, improve heat conductivity, exclude moisture and inhibit formation of oxide film.

5 kv Service Entrance Cable

Useful as a filling compound to prevent migration of water along rubber insulated 5 kv service cable when used without potheads.

Dow Corning 5 silicone compound remains stable at temperatures ranging from -70 to 400°F.

WRITE TODAY for more information on this compound and on other silicone products that maintain high surface resistivity on insulators and electrical parts; preserve linemen's protective equipment.

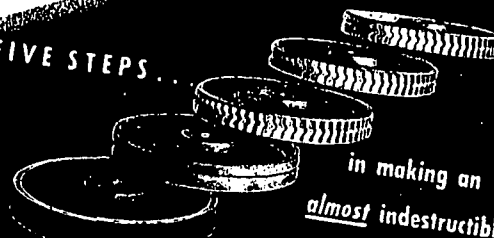
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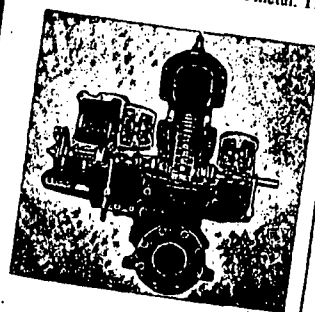
TERRY

FIVE STEPS



in making an
almost indestructible
TURBINE

The rotor of a Terry Solid-wheel Turbine is a single forging of special composition steel. It is first rough turned in two operations, as illustrated, and then two cuts are taken to mill the semi-circular buckets from the solid metal. The



wheel at the top has been finished, ready for mounting on the shaft. The result is a single-piece wheel with no parts to loosen or work out.

As the only function of the blades is to form a series of pockets, wear of the blades is of little consequence and does not materially affect the horsepower or efficiency. The important part of the bucket is the back, or bottom, which is a solid forging.

It is impossible for the blades to foul. They have large clearances, and are further protected by the projecting rims at the sides of the wheel. As the side clearances are also very large, sand and play can do no harm.

The Terry Solid-wheel Turbine is an extremely reliable piece of equipment. Why not write for complete details today?

THE TERRY STEAM TURBINE CO.
TERRY SQUARE, HARTFORD 1, CONN.

Memo

Send for a copy of bulletin S-116 which describes the many advantages of the Terry Solid-wheel Turbine.