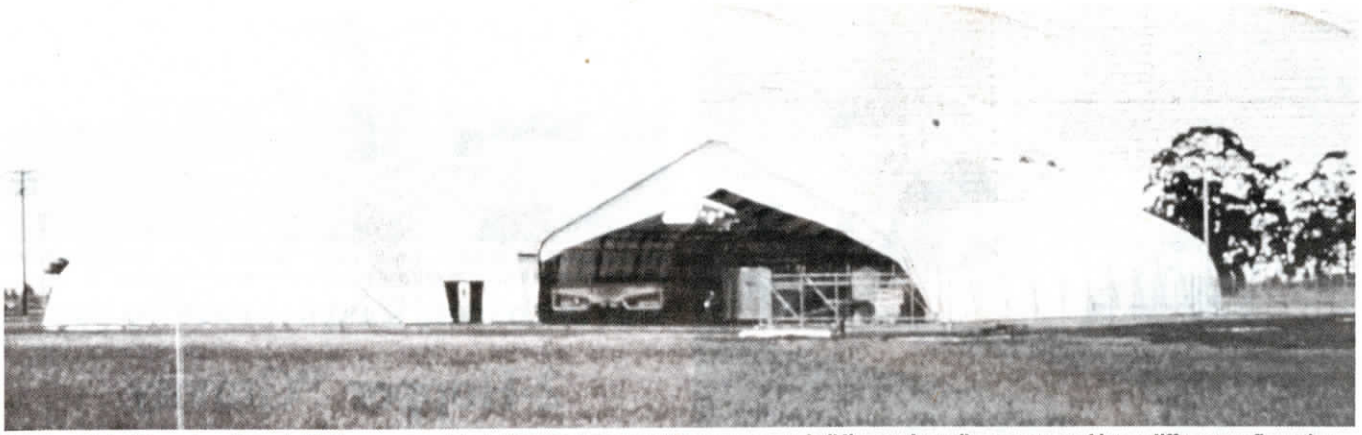

Side-by-side buildings show "clamshell" doors open and shut. Because it uses modular components, building can be easily reconstructed into a different configuration.

CAN BE BUILT UP TO 220 FT. WIDE WITH FULL-SPAN "CLAMSHELL" DOORS

New Building Made Out Of Aluminum, Fabric

Latest new development in buildings is this modular "clamshell" building that was originally developed by a California company as temporary shelter for military aircraft and was used last year in Operation Desert Storm.

The building has an aluminum arch-type frame covered by a vinyl-coated polyester fabric. The ends can be left open or fitted with "Clamshell" doors that provide an opening as wide and high as the building itself.

"The key benefits are low maintenance and versatility," says Mark Alexander, marketing manager, Clamshell Buildings, Inc., Ventura, Calif. "The frame is built with interchangeable components so you can make the building as wide (up to 220 ft.) or long as you want and you can easily rebuild it to a different size or shape. It's also easy to relocate.

"Besides military applications, the building has also been used for a wide variety of commercial applications including aviation hangers, tennis court enclosure, equipment storage, and even as an exhibit hall. We think it may have many on-farm applications, including grain or machinery storage or as a livestock shelter. It's classified as a temporary structure, but it meets all building codes and can withstand winds up to 120 mph and snow loads of up to 40 lbs. per sq. ft. No component is longer than 12 1/2 ft. The Clamshell door can be opened and closed either manually or by a pair of electric winches.

"The building can be pre-wired for lighting and a trailer-mounted heat and air conditioning unit can be set up inside. A condensation liner with fiberglass blanket insulation laminated to its top surface can be fastened to the underside of the arches. The building can also be partitioned off for different uses. Optional canopies are available for open end or flat vertical end buildings."

Anchor plates spaced every 12 1/2 ft. on each side are driven 5 ft. into the ground and attached to support cables.

The building is available in two size ranges. System 50 buildings range in width from 28 to 90 ft., with eave heights from 10 to 18 ft. and lengths any multiple of 12 1/2 ft. System 100 buildings can be made with clear-span widths from 100 to 220 ft.

Sells for $10 to $16 per sq. ft.

For more information, contact: FARM SHOW Followup, Clamshell Buildings, Inc., 1990 Knoll Drive, Ventura, Calif. 93003 (ph 805 650-1700).

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Sept.-Oct., 1992

WIND-POWERED AGITATOR KEEPS PONDS FROM STAGNATING AND NEVER FREEZES UP

Aerator Keeps Farm Ponds "Crystal Clear"

"It'll clear up any pond in 5 weeks or less. The water becomes crystal clear," says Basil J. Leonard about his wind-powered agitator for both fresh and waste water ponds.

An underwater propeller creates a swirling vortex that can be several hundred feet in diameter and draw water from as deep as 33 ft. By turning the water over and exposing it to the ultra-violet rays of the sun, solids, chemicals, and algae are broken down and reduced or eliminated. Eventually all the water in the pond or lagoon rises to the surface, absorbing oxygen just like water does naturally in a flowing river. In manure lagoons, it keeps odors down and helps keeps manure liquified.

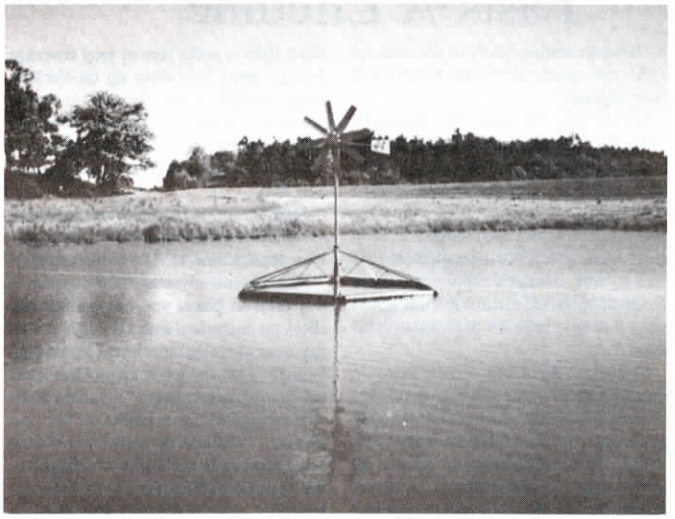
During winter, the "Pond Mill" keeps ice open, allowing hydrogen sulphide and other gases to be vented off, further reducing odors. The Pond Mill cannot be frozen into place since it has sealed bearings at the bottom of the mast and an enclosed drive shaft. "Even if, in a storm or cold spell, water freezes right up to the driveshaft, the underwater propeller will continue to turn, bringing up warm water to melt the surface ice," says Leonard.

The Pond Mill, invented and manufactured in Western Saskatchewan, consists of an 8-bladed 5-ft. dia. windmill mounted on a 12-ft. mast (a 7 ft. mast is optional for flat country). The mast is supported by 6 tubular steel legs that fasten to a flotation ring made out of 6 high-density polyethylene pontoons. The driveshaft runs underwater to a 4-bladed, 19-in. dia. impeller that can be positioned anywhere from just below the surface to 26 in. deep, depending on how deep the pond is and the strength of winds in the area. The deeper it's set, the harder it is to turn. All metal surfaces are painted with enamel-based paint.

Leonard says the Pond Mill has been on the market several years and has been refined to the point where it operates trouble-free with almost no maintenance. "It's a high-quality product. We have units in use on stock ponds, manure lagoons, urban sewage lagoons, drinking water reservoirs, industrial waste water lagoons and on recreational ponds. There's no other product on the market that will provide the performance of this aerator with no outside power source."

Sells for $2,995 (Canadian).

Contact: FARM SHOW Followup, Little River Pond Mills, Basil J. Leonard, Rt. 4, Sunderland, Ontario L0C 1H0 Canada (ph 705 357-2406).



Underwater propeller creates swirling vortex that keeps water circulating in pond.