

Six-Cylinder Engine Making Comeback in Automobiles of 1960

Detroit (UPI) — The six-cylinder engine, once scheduled for oblivion by 1962, is making a comeback.

Not too many years ago the auto industry was openly discussing plans to convert all automobiles to V-8 engines by 1962.

But the current resurgence of popularity of the economical workhorse has led Chrysler Corp. to invest thousands of dollars to design a completely new six-cylinder engine.

Chrysler's new engine is slanted off to one side at 30 degrees to permit better fuel-air flow from the carburetor to the cylinders.

First Major Revision

The new slanted six is the first major revision in the design of a six-cylinder engine since 1952, when Ford brought out the short stroke six, and only the fourth major change since Chevrolet first pioneered the basic design of the engine back in 1929.

Chrysler's work on the new six-cylinder engine shows that company's confidence in the future of six-cylinder power plants. In effect, Chrysler is betting thousands of dollars that the current trend toward sixes will continue for quite a while in the future.

Although the new slant six was designed specifically for Chrysler's new Valiant, Alan G. Looftbourrow, director of engineering, said it was designed so it could be used in the company's larger cars too.

Looftbourrow said the slant six weighs almost 100 pounds more than the engines on the other economy cars, largely because it was built with the future in mind.

He said the drive shaft of the slant six, for example, is almost twice as thick as that of the Ford Falcon engine.

Because of the added sturdiness built into the slant six, it can be bored out to develop up to 175 horsepower for use in the bigger cars.

"No one can predict with any certainty where the buyers will lead the auto industry in the future," Looftbourrow said. "But we wouldn't be building this engine with the heft needed for bigger car engines if we didn't feel fairly certain that we will sell more six-cylinder engines in all kinds of cars for several years to come."

Gamble Appears Good Bet
A recent report from Ward's automotive reports, statistical agency for the industry, made the Chrysler gamble appear a good bet.

The statistical agency reported more than 40 per cent, or 1,500,000, of the low-priced model car sales were cars equipped with six-cylinder engines.

That's an increase of 5.2 per cent from 1958.

The six-cylinder engine began its march back to favor

with the motorist in 1958. In 1957 six-cylinder engine sales hit an all-time low of only 16.8 per cent of the total industry sales.

In the past two years, six-cylinder engines have reclaimed well over 10 per cent of their losses and compact car sales in the year ahead are expected to give the comeback added impetus.

The compacts alone could add another 15 per cent of the market to the six-cylinder engine's side of the ledger.

'Something' in Alfalfa Sought

Baton Rouge, La. — (UPI) — Scientists at Louisiana State University's agri-chemical and bio-chemical laboratories are looking for an elusive "something" in alfalfa that ain't exactly hay.

They call it a "growth factor" — something they've known about for years, but have never isolated. It may eventually turn out to be a vitamin since experiments with alfalfa extracts have stimulated growth in livestock and poultry.

Drs. Joseph A. Liuzza and Arthur Novak, biochemists, began trying to isolate it in 1952, when they discovered a species of mold grew as much as 200 per cent more when given vitamins in an alfalfa base. The vitamins alone did not affect the mold.

The results interested Dr. Alva B. Watts, head of Louisiana State's poultry department, who fed a concentrated alfalfa extra to chicks. Three test lots showed these chicks gained half a pound more than those not receiving the extract.

Then Dr. Sam L. Hansard tried the extract on cows and found it increased cellulose digestion.

The researchers are now trying to isolate the "something" and define it in chemical terms. They plan further tests before placing it on the market.

Guests Evacuated At Salem Hotel

Salem — (UPI) — Some 30 guests were evacuated from Salem's Hotel Argo Tuesday night when heavy black smoke from a faulty furnace clouded the building. No one was injured.

LIFE SPAN DOUBLED

Moscow — (UPI) — The average Russian's life expectancy has more than doubled since the Communists took over, according to an article by Minister of Health Nikolai Vinogradov. He also said the Soviet death rate was the world's lowest but gave no figures to support either claim.



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for the human dignity which we enjoy as free individuals... for the preservation of the peace... for the prosperity of our great Nation... for its thrifty and self-reliant citizens... for our homes and the family happiness they bring... for the challenge of the unlimited opportunities which lie ahead.

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<p>Infants' 2-Piece Knit Sleepers \$1.</p> <p>On Sale Tomorrow</p> <p>Always a sellout... so hurry in! Perfect quality sleepers with gripper back, plastic non-skid soles. Maize, mint, blue 1 to 4.</p> <p>Penney's Mezzanine Floor</p>	<p>Save! Infants' and Toddlers' Snowsuits! \$5.</p> <p>Sturdy, warm, cotton and nylon poplin! Elastic waist. Separate Orlon® pile framed hood! Braid trim for girls! Acetate quilt lined. Sizes 1 to 4.</p> <p>Penney's Mezzanine Floor</p>	<p>Save Now! Womens 100% Wool Casual Jackets \$9.88</p> <p>Beauties you ordinarily pay much more for! Smartly tailored all wool flannel jackets in colorful plaids or solid colors. All greatly reduced. Sizes 10 to 16.</p> <p>Penney's Mezzanine Floor</p>	<p>Reduced! Women's WOOL SKIRTS \$5.88</p> <p>Regularly much more... famous make pleated wool plaids and tailored straight line solid color wool flannels. All re-grouped and re-priced. Sizes 10 to 16.</p> <p>Penney's Mezzanine Floor</p>	<p>Women's Smart Classic Orlon SWEATERS \$1.99</p> <p>Softly washable in your favorite classic styling. Sweaters, you'll want for year-round wear!... at savings you'll find hard to beat! Fast drying, shrink resistant in new fashion colors. Sizes 34 to 42.</p> <p>Penney's Mezzanine Floor</p>
<p>Special Buy! Printed Drapes \$4.77 pair</p> <p>Thrill buy special purchase of perfect quality acetate drapes to bring smart, modern window fashion to your rooms! Gracefully draping quality. Size 48x84". Assorted prints.</p> <p>Penney's Street Floor</p>	<p>Men! This Cotton FLANNEL SHIRT is a Real Shirt Value! \$1.44</p> <p>The rich, warm fabric is sanforized®, machine washable! The colors and patterns are all brand new! The stand-up collars are lined for shape retention! Sizes S, M, L.</p> <p>Penney's Street Floor</p>	<p>49 Men's Higher Priced Suits Reduced! \$25.</p> <p>You won't believe it until you buy it! Penney's has suits with such top-quality tailoring you'd never expect to find them at this fabulous low reduced price. Wool flannel, wool gabardine, wool worsteds! Sizes 37 to 44 in regulars, shorts and longsl!</p> <p>Men's Wear—Penney's Street Floor</p>	<p>Men's Fine Quality Wool Dress Slacks \$5.</p> <p>100% wool flannel! Sharkskin weaves! Wool gabardines. Fall shades at a new low price for 100% worsted wool! Colors you'll be proud to wear... charcoal, gray, brown, tan. Sizes 29 to 42.</p> <p>Penney's Street Floor—Men's Dept.</p>	<p>Boys' Cotton Flannel Shirts \$1.</p> <p>Top Penney quality at lowest possible price! Warm, extra full cut sport shirts of Sanforized cotton flannel in bon-fire bright plaids. Sizes 6 to 16. Stock up!</p> <p>Penney's Street Floor</p>
<p>Men's Insulated 8 in. Leather Boots \$13.95</p> <p>Men compare this buy anywhere! Butter soft leather lining! Quilting tanned cowhide uppers, cushion crepe sole! They keep feet warm 'n' dry! Even in the coldest weather! Check the watertight seams, cushioned insoles, lining. Men's sizes. 6 1/2 to 12—D-EE widths!</p> <p>Penney's Street Floor</p>	<p>Men's 6-in. Quality WORK SHOES \$6.</p> <p>Compare everywhere! Long-wearing cork and rubber soles, and rubber heels, Good-keep feet warm 'n' dry! Even in the coldest weather! Sanitized®, too! Brown only. Sizes 6-11-E widths.</p> <p>Penney's Street Floor</p>	<p>Misses - Teenage CASUAL SHOES \$3.</p> <p>Teen-agers and mothers alike will welcome the dressy styling and low-heel styling and low-heel comfort. Black patent or smooth leather. 5 1/2 to 9 1/2 in AA-B widths. A terrific buy at this clean-up price!</p> <p>Penney's Street Floor</p>	<p>1400 Skeins of 4-ounce Knitting Worsted Yarns 77¢</p> <p>Special purchase of 4-ounce skeins of finest quality 100% wool knitting worsted. 4-ply construction. Ideal for such articles as afghans, sweaters, scarfs, caps and mittens. 15 wanted colors.</p> <p>Penney's Street Floor</p>	<p>Boys' Fully Lined Melton Jackets Low Priced \$5.95</p> <p>Sizes 10 to 18. Just the right weight for now... showers can't faze 'em... plenty durable, too, thanks to Penney's top quality construction... fingertip length jackets in melton cloth... water repellent, wind resistant... fully lined. Colors of heather brown, grey and charcoal. Sizes 4 to 8-4.98.</p> <p>Boys' Dept.—Penney's Street Floor</p>
<p>Special! Large 17-Ounce Dacron Filled Bed Pillows \$2.99</p> <p>Where but Penney's, such a low price on 17 plump ounces of resilient, non-allergenic Dacron! Extra pretty, 3 zip-off covers in blue, white and pink! Size 18 by 25 inches!</p> <p>Bedding—Penney's Street Floor</p>	<p>Save! Women's Famous Brentwood Cotton Dresses \$1.99</p> <p>Reduced for quick clean up! Over 100 of these fine quality Brentwood tailored cotton wash dresses in a wide variety of dainty prints and checks—big selection of sizes in misses and half sizes. Hurry for these.</p> <p>Penney's Mezzanine Floor</p>	<p>Higher Priced Boys' Lambs Wool Vest Sweaters \$1.44</p> <p>Practical and good looking 100% lambs wool knit sweater vests in charcoal grey, tan or red—broken sizes from 12 to 18 only.</p> <p>Boys' Wear—Penney's Street Floor</p>	<p>Save on Boys' Yellow Rain Coats \$1.99</p> <p>Out they go—we bought too many sturdy long wearing water proof, yellow slickers with matching hoods. Sizes small, medium and large.</p> <p>Boys—Penney's Street Floor</p>	<p>Men! Sturdy, Washable Whipcord Pants \$6.66</p> <p>A close out buy that we can not duplicate—nylon, acetate blend long wearing serviceable whipcord pants in sage, grey, forest green or tan. Sizes 29 to 42 with cuffed bottoms— inseam 29 through 34.</p> <p>Work Clothing—Penney's Street Floor</p>
<p>Men's Winter Underwear Close Out! 2.44 to 6.66</p> <p>All wool Union Suits... Now 6.66 Bi-Fly Shirts and Drawers Reduced... 2.44 Bi-Fly 1/2 Wool Union Suits Reduced... 4.44 Union Suits Reduced... 2.44</p> <p>Hurry for these—tremendous savings! Penney's Street Floor</p>	<p>Women's Better Dress Pumps \$6.</p> <p>Penney's finest quality fitting dress shoes re-grouped—and re-priced—2 1/4" dressy heels in black patent, black calf, some with bow trims and widths to fit. AAA. AA and B. Sizes 6 to 9.</p> <p>Shoes—Penney's Street Floor</p>	<p>Reduced! Big 4-Pound All Wool Blankets \$11.88</p> <p>Big lofty 100% wool blankets with 5-year replacement guarantee if blankets damaged by moths. Luxurious. Closely woven—deep napped—bright red with striped border or beige with striped borders. 72"x90" size—Save plenty on these!</p> <p>Bedding—Penney's Street Floor</p>	<p>Women's Dacron Blend With Nylon-Cotton SLIPS \$1.99</p> <p>Luxurious slips... in dacron, dacron blends and nylon... that feel like air and clouds! Pretty lace trim... They drip dry without losing softness. White—32 to 42.</p> <p>Penney's Street Floor</p>	<p>Men's Quality SPORT SHIRTS \$2.</p> <p>Fabulous buy! Long sleeved sport shirt Towncraft® tailored with all the extras... permanent collar stays, pearlized buttons, matched pockets. Here are wash 'n' wear cottons that practically snub the iron, lustrous iridescents, silky-look bulk acetates, burnished tones, small, medium, large and extra large sizes.</p> <p>Penney's Street Floor</p>

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- Men's White Handkerchiefs Standard size, top quality cotton **13 for \$1**
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- Young Men's Gym Shorts Reduced for quick clean-up—Satin, twills, in red, black or blue. Sizes 30 to 36 **10c**

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- Girls' Orlon Coat Sweaters Cardigan classic styles, in washable soft Orlon. White and pastel colors. Ages 4 to 10 **\$2.00**
- Girls' Cotton Knit Panties Perfect quality brief style, elastic leg, full cut. White only. Ages 4 to 14 **3 for \$1.00**
- Girls' Better Dresses Only 20 of these cute little cottons reduced at clear up price—in solid colors, checks and plaids. Age 4 to 14 **\$1.44**