

Ship Propulsion

"WILL A PASSING PHASE?"

Coal Coning Back.

Interesting prophecies with regard to the future of coal and the steam engine were made by Sir John C. Haldane, Dr. John S. Haldane, the president, at the annual meeting of the Institute of Mining Engineers.

John Cadman, in a paper on "The Future of the Steam Engine," pointed out the importance of oil to the country was a subject which has been discussed in many quarters, but he looked upon oil as a passing phase which was passing. What oil does today coal would do again tomorrow, although oil would go through certain channels of use which would never be able to regain the position of coal.

Haldane, in a paper on "The Efficiency of Heat Engines," predicted that the future development of the steam engine would be in the lines of increased steam pressure with smaller and lighter engines. The boilers also would be designed in size as the pressure went up so that the complete engine and boiler would be much smaller than the equivalent internal combustion engine and would in all probability be more suitable and even superior for use in aeroplanes and motor cars.

Haldane said that the reason he had brought forward the paper was because of the very uncertain position about the use of coal for steam engines. Some people seemed to believe that the use of coal for steam engines was going to be more or less abandoned. He believed that steam engines in the future, and the not so remote future, where steam was used by coal or oil, would take the place of internal combustion engines were now employed.

Waste of Heat Energy.

He came to this conclusion, not from a consideration of steam engines, but from biological considerations. The theoretical efficiency of a heat engine was put at 50 per cent of the heat units supplied to it, but they all knew that no engine in actual practice had ever given a greater efficiency than about 30 per cent. In the case of the steam engine they had to jacket every part of it to retain the heat, but in the internal combustion engine they had adopted other measures to get rid of the heat, otherwise the steel would not stand the temperature to which it was subjected.

This was a waste of heat energy. While anticipating the future development of the steam engine along the lines of increased steam pressure with smaller and lighter engines, he did not think that steam engines and internal combustion engines would ever fight. He believed the steam engine would beat the internal combustion engine.

Mr. Sam Mayor, of Glasgow, said that if the same attention had been devoted to the development of steam engines as had been devoted to the internal combustion engine in marine work, they would have had a much more efficient engine than at present. There had been experiments in steam which produced an engine which in the smaller sizes showed economies which were unrealized in steam engines. The president presented the medals of the Institute to Sir William Gallacher, referring to Sir William's great achievements in regard to the causes of explosions in coal mines.

Misses' Tan Calf, all Leather Oxford, only \$2.85 pair at F. SMALLWOOD'S, June 19, 1925.

An Ancient Masonic Apron

NELSON, B.C., June—Handed down through successive generations for at least 17 years, a Masonic apron is in the possession of Mrs. F. M. McKee of this city, and it still is in a good state of preservation.

The apron came from Cork, Ireland. It was formerly owned by Barney Corbett of Antrim, who had the misfortune to be shipwrecked, when he lost the apron. Months later it was washed ashore on the Isle of Man in a chest in which Corbett kept it, and eventually returned to its owner. The apron of the sea water discolored the emblem somewhat, but the characters are still plainly discernible.

Since then the apron has passed down through several generations of the Corbett and has travelled many thousands of miles.

Sum-Proof Paint bought from Gem's will last for many years. June 22, 1925.

CRICKET MATCH POSTPONED.

The cricket match between the St. John's and Non-descripts was postponed on account of the disagreeable weather. The game will take place on the first available date.

Men's Black Crepe Sole Boots, only \$5.50 pair at F. SMALLWOOD'S, June 19, 1925.

BAIRD'S LINIMENT FOR RHEUMATISM.

EVER STRIVING TO DO OUR UTMOST

in "Broadcasting" the Best Bargain News of the week—Patrons have come to expect—"GREAT THINGS" from this Store.

TO-DAY'S BARGAIN ACQUIREMENTS

Adequately Express Our Greatness.

Every item listed carries with it a Saving, and to those who must necessarily do much shopping, great savings must certainly be theirs. Family shoppers have come to recognize this store as "The Ideal Store" for economical shopping year in year out. Need we urge you to avail of this week's Bargain Specials from BAIRD'S.

Another great advantage here—is the immenseness of variety displayed—the result of keen bargaining for huge quantities. All these points to direct savings to patrons of this store, for we have a fondness for transmitting the many goodnesses coming our way, when we go shopping abroad. Let this be your guiding sheet to profitable shopping.

Friday, Sat. and Monday.

'Indian Head' Linens, Etc

"INDIAN HEAD" LINENS—The Universal Cloth—the useful Cloth for Home Linens, Summer tops of all kinds, fast, fadeless shades, guaranteed as such: Navy, Copen, Canna, Coral, Tan, Hello, Pumpkin, Gold, Pink and Heather, etc.; 36 inches wide. Friday, Saturday and Monday **59c.**

CHAMBRAY—28 inch plain Pink and plain Blue Chambrays, nice soft finish. A family necessity. Reg. 45c. Friday, Saturday and Monday **39c.**

DRESS VOILES—36 inch plain shade Cotton Navy, Saxo, Light and Dark Greys and Black, 55c. yard. Friday, Saturday and Monday **47c.**

WASH GINGHAMS—An assortment of pretty Gingham have been set apart for this week's selling: Pinks, Blues, Greens and Tans, with White Check. Friday, Saturday and Monday, the yard **22c.**

SILK HOSE



EXTRA SPECIAL

Five hundred dozen of them, came to us as seconds, but is really a surprise—as innumerable pairs are flawless, and right through the quality is surprisingly good; shades include Pongee, Fawn, Beaver, Peach, Chimmam, Sunset, Mouse, Alderale, Black and White. Stock up. Don't miss this opportunity. Values to 70c. Friday, Saturday and Monday

DRESS VALUES

figure conspicuously for the week-end.

4.98

LADIES' DRESSES—Some very handsome models in Gingham and Linens; all this season's Dresses, in shades of Pink, Sky, Black and White checks, Peach, Tan and a host of pretty fancy mixtures; showing collar, others with White Pique front, button trimmings. Up to \$6.00. Friday, Saturday and Monday

GIRLS' DRESSES—White Voile Dresses, to fit 7 to 14 years; 3/4 sleeve, Peter Pan collar, embroidered medallions, boxpleated front and girde, etc. Just \$1.75 for Friday, Saturday and Monday

COLLARS AND CUFFS—Ladies' Lawn and fine Muslin Collar and Cuff Sets, embroidered assorted styles. Regular 50c. Friday, Saturday and Monday **42c.**

MUSLIN JUMPERS—Pin Striped White Muslin Jumpers with Peter Pan collar, long sleeves lace trimmed and coloured embroidered, and black bow. Friday, Saturday and Monday **\$1.45**

WRATHS—Artificial Forget-me-nots in Velvet. 27c.

INFANTS' COATS—6 only dainty White Cream Pique and Lustre Coats, to fit 2 to 4 years; embroidery and insertion trim, pearl buttons, etc. Being the last of their line we are sacrificing them. Reg. \$6.00. Friday, Saturday and Monday **\$3.59**

BATHING NEEDS

\$4.50 Suits for \$1.98

All Wool Bathing Suits with skirt, buttoned shoulder, navy trimmed Orange, Navy trimmed White, Navy trimmed Emerald. Reg. \$4.50. Special **\$1.98**

BATHING CAPS—All Rubber Seaside Beauty Bathing Caps, in brilliant hues, with rubber butterflies and bows as trim. Special **42c.**

House Furnishing Specials.

FIRE SCREENS—A little item but it tones up a room wonderfully. This line comes in strong carboard make, 4-fold style in fancy art patterns. Special **27c.**

ART SILK CORD—Beautiful two-tone Art Silk Cord for finishing fancy work, Cushions, Hangings, and such like; cable twist, last for years. Friday, Saturday and Monday, the yard **17c.**

FURNITURE GIMPS—Neat looking Leatherette Gimps, to make a nice finish to your upholstery; plain shades as well as imitation wainscot, fancy Green and Grey. The yard **3c.**

SILK GIRDLES—Rich looking cable twist Silk Girdles with large tassels ends; shades of Gold, Blacout, Saxo, Cardinal, Brown and Paddy Green, etc.; 100 inches long. Friday, Saturday and Monday **\$1.10**

TABLE NAPKINS—15 dozen of good White Damask Table Napkins, 26 x 26 size, hemmed, assorted patterns. Reg. 35c. Friday, Saturday and Monday, each **29c.**

TABLE COVERS—Coloured Table Covers, Imitation Velvet, Pile finish; nice fancy patterns, 38 x 38 size. Reg. \$10.00. Friday, Saturday and Monday \$8.55

SALE OF SHOES

WHITE SHOES—Ladies' White Beach Duck Shoes, laced style, leather and full size, lined backs; shades of Wine, Bronze, Old Gold and Black. Reg. \$7.00 each. Friday, Saturday and Monday **\$5.98**

GIRLS' WHITE SHOES—White Canvas Shoes, in cross over strap and single strap styles; sizes 8 1/2 to 10 1/2, rubber heel, leather sole. Special **\$1.25**

CHILDREN'S SHOES—In Black Sateen, strap style, leather sole and heel, assorted sizes. Clearing **98c.**

LADIES' SHOES—A real snip for those wearing the larger sizes, mixed line, in Kid and Suede, Black, Tan, Fawn and Grey tones, laced and strapped styles; up to \$5.50 pair. Friday, Saturday and Monday **\$2.48**

WOOL MATS—Real Sheep's Wool Mats, extra heavy, fringed and full size, lined backs; shades of Wine, Bronze, Old Gold and Black. Reg. \$7.00 each. Friday, Saturday and Monday **\$5.98**

MEN'S SUITINGS.

Double width Suitings for men's or boys' wear, Dark Grey with neat stripe. Our Special, the yard **\$2.85**

NAVY SERGES—Fast Navy Wool Serges, double width material for men's or boys' Sunday suit. Particularly good value as a rule. Friday, Saturday and Monday **\$6.35**

FLANNEL SUITINGS—Your choice of two very pretty shades of Grey in double width English Flannel Suitings, ideal Summer weight. Friday, Saturday and Monday, the yard **\$2.55**

Refreshing Toiletries, etc.

For Milady's Use and Benefit.

Pompeian Night Cream 79c.

Juliette Lemon Cream 19c.

Florient Face Powder 19c.

Cashmere Bouquet Powder 19c.

Colgate's Bottled Perfumes, 45c.

Pompeian Massage Cream, 75c.

Pond's Vanishing Cream 15c.

Pebecco Tooth Paste 39c.

Pond's Cold Cream 39c.

Pepsodent Tooth Paste 39c.

BEAUTY PACKAGE

Containing: Clay, Vanishing Cream & Cold Cream **29c.**

Herb Toilet Soap, fragrant, 15c.

Rosaire Glycerine Soap 15c.

Lifebuoy Toilet Soap, 2 for 15c.

Armour's Tar Soap, good 9c.

Boxed Toilet Soaps, 3 cakes, 75c.

Taylor's Infant's Delight Soap 12c.

Pears' Transparent Glycerine Soap 25c.

Armour's Bath Soaps, large cakes 12c.

Absorbent Cotton in sealed packets 5c.

Gauze Bandages, assorted widths 5c.

Steel Wool, cleans aluminium ware 10c. 15c.

ARMOUR'S TOILET SOAPS

Large, Rich Lathering Cakes **9c.**

Anti-Skeeter, scares mosquitoes 7c.

Tooth Picks, large box 7c.

Special 7c.

Boat Protectors, the dozen, 5c.

Nail Brushes, strongest 10c.

Pompeian Talcum Powder, 15c.

Colgate's Shaving Cream, 55c.

Colgate's Shaving Stick, "Handy Grip" 49c.

Riva Shaving Stick, Colgate's 45c.

Colgate's Violet Talcum Powder 15c.

Babcock's Superfine Talcum 15c.

Taylor's Jay Lily Talcum 35c.

NIGHTGOWNS

Cotton Crepe Nightgowns, very dainty, trimmed Whites, assorted shades: Flesh, Peach, Orchid and White, sleeveless, with shirred tops. Reg. \$1.15 to \$2.40. Special **\$2.08**

LADIES' VESTS—Silk Jersey Vests with Opera ribbed tops; shades of Flesh, Orchid, Pink, Peach, strap shoulder with picot edge. Special **\$1.08**

"Princess" Slips Girls' Underpants

"PRINCESS" SLIPS—White Lawn "Princess" Slips to fit 14 to 18 years, embroidered ribbon heading and bonneted skirt. Friday, Saturday and Monday **\$1.39**

TINSEL RIBBONS—The newest trimming ribbons half inch wide, in all the newest shades for millinery, etc. Reg. 30c. yard. Friday, Saturday and Monday **22c.**

White Jersey Under Pants made in full fitting sizes, crochet edge knee, closed; to fit 2 to 6 years. Special **15c.**

LADIES' GARTERS—Shirred Ribbon Elastic Garters, in shades of Rose, Cardinal, Sky, Gold, Lavender and Purple. The Pair **35c.**

BOYS' Suitable Suits Suitably Priced.

GALATEA SUITS—Boys' Blue and White Striped Galatea Suits, Sailor and Russian Blouse styles; to fit 3 to 7 years. Special **\$2.39**

BOYS' STRAW HATS—Navy Straw Hats for little boys; a nice becoming style with Navy Silk band. Special **79c.**

COTTON HATS—Sun Hats, mushroom shape; great for knockabout wear. To clear **15c.**

LINEN SUITS—Cream tunic style Wash Linen Suits, with fawn belt and collar; open knee pants. Special **\$2.10**

SPORT SHIRTS—The very Shirts they like best; flare collar, fancy striped patterns, in assorted shades; made of good washing materials. Friday, Saturday and Monday **98c.**

BOYS' PANTS—An extraordinary good value offering in Boys' strong English Tweed Pants, lined throughout; sizes to fit 4 to 10 years. Values to \$2.00 pair. Special **\$1.39**

English Enamel Boilers

Double Dipped Double Weight

Blue and White Enamel with self covers; 4 sizes; the largest sizes come in Brown and White.

1.49 1.98 2.49 3.39

English Enamel Saucepans

Double Dipped Double Weight

The housewife's pride—these service-giving Saucepans, fitted with tin covers; Blue and White Enamel; 3 convenient sizes.

59c. 74c. 85c.

White Sheetings

78 inch Snow White Sheetings, plain finish, very strong make; a couple of pieces just to hand. Just for Friday, Saturday and Monday,

1.08



MEN'S Warm Weather Wearables

COLLAR TIES—An important little item for those who are particular about the look of their collar fit; in nickel and gold finish, plain and fancy bar, Special **55c.**

GARTERS—"President" Garters, fits and feel good at all times; wide elastic and sure grip fastenings. The Pair **58c.**

NAVY RAGLANS—A new shipment of these just to hand—full fitting style, strap cuffs, plaid linings, double breasted. Your friend in any **\$19.65**

WORK SHIRTS—Men's extra strong Blue Linen Shirts, triple stitched seams, one of the best. Shirt values we have ever **\$1.35**

BOYS' BLOUSES—Sailor style White Cotton Blouses, showing blue collar and cuffs; a becoming style for boys from 3 to 7 years. Special **\$1.19**

COMBINATIONS—Men's White Check Nainsook Combination Underwear, delightfully cool for July weather, sleeveless, knee length. Our Special **79c.**

ALPACA COATS—Fast Black Alpaca Coats, with 3 pockets; sizes 34 to 46. It's the season for these nice cool Coats. \$4.75 Special **\$4.75**

SPORT SHIRTS—Men's short sleeved Sport Shirts, in all White, nice and cool looking and cool feeling for the weather; just for Friday, Saturday and Monday **\$1.48**

TOP SHIRTS—Men's good-looking Striped patterned Top Shirts, with collar attached, nice for every-day wear, evening wear or sport wear. Special **\$1.69**

TOP SHIRTS—In all the newest pin stripe patterns, collar attached, with buttoned pants and buttoned pocket. Special **\$2.38**

WAIST BELTS—Real Cow Hide Belts in Black and Brown shades, showing Cream stripe, patent nickel buckle. Special **69c.**

NEW CAPS—See out latest—Men's Radio Caps in Donegal Tweeds, light and wadum shades, light weight, plain and bandied backs, silk lined, swagger Caps. Special **\$2.40**

PORUS KNT UNDERWEAR—Shirts with short or long sleeves, Pants, ankle or knee length, pure White garments, as comfortable as you could possibly desire. Friday, Saturday and Monday, Special the **74c.**

HOSIERY SPECIALS!

SILK & WOOL HOSE, 25c.—Another wonderful line of absolute high grade finish, silky to the feet; durable and just right in weight; comes in a rich heather mixture, fancy ribbed, misses' sizes and for ladies with small feet. Special **25c.**

SILK HOSE—"Fox Trot" heavyweight plain Silk Hose, seamless, in shades of Nude, Onion, Castor, Pongee Greys and Fawns; super quality. Special **\$1.65**

MISSIE'S HOSIERY—The newest effect in Crossbar Hosiery; looks nice; Tan, Fawn, and Brown shade; summer weight. Special **35c.**