

ARE REMARKABLE FEATS.

Engineering Ventures Which Were Completed Under Difficulties.

EXPERTS ACCOMPLISH GREAT WORK.

A writer in an English paper gives brief notes on a few of the greater engineering works which have been recently completed, or which are actually in progress, with every prospect of their being successfully completed in due course.

To begin at home, the great tower, which owes its origin to the energies of Sir E. W. Watkin, M. P., deserves first place, as a worthy rival to the great Eiffel tower, the engineering boast of France. This tower, which is being erected at Wembley park, where a special station has been already opened, fourteen minutes from Baker street station, is being actively pushed forward. The foundation work has been completed, and the laying out of the grounds is so far advanced that it is expected the park, which covers 180 acres, will be opened in the spring. The foundations are composed of huge concrete blocks, which vary in depth from twenty-eight feet to sixty feet, according to the level of the land.

The tower itself will measure 960 feet in circumference at the base, and 1100 feet in height, or 150 feet higher than the Eiffel, while it will be larger than its prototype in every way. The material destined for its erection is polished steel. The summit will be 1450 feet above sea level. The tower itself is expected to take eighteen months to build.

The tower bridge is another great London engineering venture which is rapidly approaching completion, although the final date of opening for traffic has had to be shifted forward several times. This bridge, which is built on the "bascule" principle, presents a novel feature in the centre span, which is 200 feet wide and cut in halves, which are to be raised and brought flush with the towers by machinery concealed within them.

When opened for passage of vessels, foot passengers may cross by a lofty footpath, to which access is obtained by staircases and lifts within the towers. These immense piers in the bed of the river are said to be the largest in the world.

The total length of bridge and approaches is 2,640 feet. About 31,000,000 bricks, 19,500 tons of cement, 70,500 cubic yards of concrete and 15,000 tons of iron and steel will be utilized in the structure.

When the great Siberian railway chain—presently being constructed—is finished, Russia can boast of possessing the greatest railway in the world. This tremendous system will stretch right across the immense territory of Siberia, no less than 4,785 miles, or twice the length of the Canadian Pacific railway; and the total cost, inclusive of rolling stock, etc., is given at \$36,765,000 or £7,680 per mile.

This very low cost is due to the favorable nature of the ground for engineering operations, and the absence of huge parliamentary expenses and compulsory purchase of land, which have in our country made railways so costly. The first sod of the huge undertaking was cut by the Czar at Vladivostok, May 24, 1891.

On the eastern section as many as 12,000 men are employed, and part of the line has been already opened for traffic.

On the opposite side of the globe the Trans-Andine railway in South America deserves mention, owing to the tremendous engineering problems to be solved in crossing the mountain chain forming the backbone of the continent.

Of this railway, begun 20 years ago, and reaching from Buenos Ayres, on the Atlantic to Valparaiso on the Pacific—a stretch of 870 miles—only the completing section in the heart of the Andes is unfinished. The Andes are crossed by the Cumbre Pass, 13,045 feet above sea level.

Of this altitude 2,000 feet are cut off by a three mile tunnel, and altogether among the mountains there are five tunnels, with a total length of over ten miles, while in the mountain section the locomotives, for 65 miles have toothed wheels to work on the rack system when necessary to surmount the heavier gradients.

It may well be imagined that driving a tunnel in the heights of the Andes is quite a different matter from the same work performed at ordinary levels in settled countries.

The workmen, even though accustomed to living at great elevations, have to be acclimatized to the rarified air, and this difficulty is forcibly exemplified in the case of the loftiest railway tunnel in the world, that being bored through the Peruvian Andes near Galeria. This is the highest village in the world, 15,635 feet above the sea, or only 100 feet lower than the summit of Mont Blanc.

Near this village a tunnel, 2,847 feet long, is being bored through the summit of the mountain, 600 feet above the line of perpetual snow. This certainly may take rank as one of the most extraordinary of railway engineering enterprises.

The Alps have been tunneled through so frequently that the proposal to bore them once more, this time below the famed Simplon pass, causes no surprise, though this tunnel will be the longest of the lot—12½ miles in all, about three miles longer than the St. Gotthard tunnel.

This tunnel, which is estimated to cost 100,000,000 francs, will present a novel feature, being single with double railway track in its northern half, while the southern half will consist of two parallel tunnels, each with a single track, this arrangement being adopted with a view to improving the ventilation.

There is, however, another proposal to cross the Simplon pass (6,500 feet high) by a railway, the steepest section of which would be built on the cog-wheel system, with a tunnel five miles long, costing in all 30,000,000 francs.

The highest mountain railway in Europe is the Brienz Rothhornbahn railway, which was opened in November, 1891, and ascends to a height of 5,606 feet at the summit level. The journey is performed in 1½ hours, and the steepest gradient is one in four.

It is purely a rack and pinion line throughout, and is further remarkable for the short time in which it was constructed having been begun in October, 1890. Thus in little over a year this was finished, though the work necessitated the boring of 10 tunnels, the bridging of several streamlets, and the building of heavy stone dams.

Another remarkable mountain railway is that up Pike's Peak in Colorado, which was opened in the summer of 1891. This line,

nine miles long, climbs to a height of 14,147 feet above the sea level, with a maximum gradient of one in four. This is also a rack rail line; there also difficulty was experienced in the higher portions from the rarity of the air.

There is a mountain railway in the Catskill mountains, New York state, 7,000 feet long, which is worked by cable driven by a drum at the summit, where the steam engines are placed.

The works in progress for the utilization of the immense power continually running to waste at Niagara are rapidly approaching completion, and these have been described as but the beginning of perhaps the most stupendous engineering feat ever undertaken. The great tunnel has just been finished.

This, which is 6700 feet long, 28 feet high and 18 feet wide, runs from the bottom of a great shaft 140 feet deep, to which the water is brought from above the falls by a large canal, and running parallel with the river empties itself below the cliffs under the suspension bridge, after having set in motion the series of great turbines which are intended to work the dynamos to transmit power electrically to any desired point.

Only 150,000 horse power of the 17,630,000 which it is calculated the falls can supply will be absorbed by the Cataract Construction Company's works. It is intended to sell power at the rate of \$20 per horse power per annum up to 3,000 horse-power; for powers beyond the charge will be \$10 per horse-power.

ITEMS OF INTEREST.

Most sheep die before they are a year old. A very fine Stradivarius violin will fetch \$10,000.

The prices of medicines are fixed by law in Prussia, and a new price list is annually issued.

The best kid gloves are not made of kid, but of the skins of young colts. The cheapest kid gloves are made of lamb and rat skins.

Dwarfs are the inhabitants of the Andaman Islands. It is seldom that a full-grown man is seen over forty-two inches in height.

Rosewood is so called because when first cut it inhales a perfume like that of a rose. Roses never grow upon the tree which produces it.

The digestive organs of a hackman in Bath, Me., must be as strong as a quartz-crusher. He eats eggs with the shells on, and occasionally chews up and eats lamp chimneys and crockery.

Three dozen of Chinese pheasants were caught by three boys in Eastern Oregon, during a snow-storm, and sold for \$10 a pair. The snow settled on the birds' tails, preventing them from flying.

A dog with a dangerous appetite is referred to in the following advertisement, from an English paper: "For sale—A bull terrier, two years old. Will eat anything; very fond of children."

"The man with the iron skull" is the latest London freak. On his head he puts a block of wood, and on this a granite rock. He permits anybody to crack the rock with a sledge hammer, while it rests on his skull.

The chimney of a glass-house in Liverpool is 105 feet high, formed entirely of glass bricks. The floors and roof are of glass; and even the journal boxes, in which the machinery revolves, are of the same transparent material.

Several months ago, John Wilson, of Pittsburgh, Pa., dislocated his hip, and several doctors failed to relieve him. While alighting from a street-car the other day, he slipped and fell on the ice, and the sudden jar cured his lameness.

Mrs. Yates, of Springfield, Ohio, is the mother of twenty-four children. Among them are five sets twins. She was married at the age of fourteen; her youngest child is only a few weeks old, and her eldest is in his twenty-seventh year.

German dentists now make false teeth of paper. They are said to be a very natural imitation of the real article and last for years.

Experiment has shown that a "Yankee pumpkin" will lift two and one half-tons, provided the weight be so placed as to interfere with the growth of the vegetable.

The largest sheep ranch in the world is in the counties of Dimmet and Webb, Texas. It contains upward of 400,000 acres and yearly pastures for 1,000,000 to 1,600,000 sheep.

The settlers on the Quillayute prairies, in Washington, are afforded fine sport in thousands of wild geese that come there in the fall and make the region their winter home.

It is not an easy matter to freeze out trichinae. After subjection to a temperature of 25 degrees below zero for two hours they again become active when exposed to light and heat.

Dr. Carver relates the story of a paving-stone weighing eighty-three pounds, which was raised from its bed (when joined on all four sides by other stones) by such a soft substance as a common "puff-ball" mushroom.

A Parkersburg, Va., musician has just perfected and patented a novel musical instrument, which he calls a "key zither." It is simply a zither played with keys, but it is said to be a revelation in the way of a musical instrument.

A train stopped near Gibson, Ill., to take water. The fluid overflowed the locomotive tender, and froze the engine fast to the track. It was four hours before the train could be budged. A new locomotive was sent for, and it bumped the train free.

The horseshoe superstition has been considerably modified in the mind of a St. Louis man. He found a horseshoe, and nailed it over the door. A week after, as he was entering the house, lightning passed through the horseshoe and knocked him senseless.

The United States contain 300 universities and colleges, with 4,240 professors, and 69,400 students; Germany has 21 universities, with 1,020 professors, and 25,084 students; Great Britain has 71 universities and colleges, with 1,127 professors, and 54,234 students.

All the courting is done by the women in the Ukraine, Russia. When a woman discovers a man she would like to marry, she visits him at his house, and tries to charm him. If he does not like her, he leaves hers and lives elsewhere till she deserts his home.

POETRY.

Our Minister.

The minister said, said he,
Don't be afraid of giving;
If your life ain't no use to somebody else,
Why, what's the use of living?
There's Brown, the miserable sinner,
He'd sooner a hogger would starve than give
A cent toward buyin' a dinner.

I tell you our minister's prime, he is,
But I couldn't quite determine,
When I heard him a-givin' it right and left,
Just who was hit by the sermon.
Of course there could be no mistake
When he talked of long-winded prayin',
For Peters and Johnson sat and howled
At every word he was sayin'.

And the minister he went on to say:
"There's various kinds of cheatin',
And religion's good for every day
As 'tis to bring to meetin'.
I don't think much of a man that gives
The Lord amens at my preachin',
And spends his time the followin' week
In cheatin' and overreachin'."

I guess that dose was bitter enough
For a man like Jones to swallow;
But I noticed he didn't open his mouth
Not once at that hot to-holler.
Hurrah! says I, for the minister—
Of course I said it quiet—
Give us some more of this open talk;
It's very refreshing diet.

The minister hit it every time,
And when he spoke of fashion,
And a-riggin' out in bows and things,
As woman's ruling passion,
And a-cummin' to church to see the styles,
I couldn't help a-winkin',
And a-nudgin' my wife, and says I, "That's
You."

I guess that set her thinkin',
Says I to myself, "That sermon's pat."
But man is a queer creation,
And I'm much afraid that most o' the folks
Won't take the application,
Now if he had said a word about
My personal mode o' sinnin',
I'd have gone to work to right myself,
And not set there a-grinnin'.

Just then the minister says, says he,
"And now I've come to the fellows
Who've lost this show: by usin' their friends
As sort o' moral umbrellas,
Go home," says he, and find your faults,
Instead o' tryin' to cover 'em up;
Go home," he says, "and wear the coats
You've tried to fit for others."

My wife she nudged, and Brown he winked,
And there was lots o' smilin',
And lots o' lookin' at our pew;
It set my blood to bimin',
Says I to myself, our minister
Is gittin' a little bitter;
I'll let him go when he's out that I
Ain't at all that kind of a critter.

Safely Garnered.

"Was she your only child?" asked I.
"My only one," the answer brief;
And yet he spoke without a sigh.
With a touch of grief,
He said the words with quiet smile,
I paused, and wondered for a while.

I marveled at that quiet tone,
In which no sign of sorrow lay;
And thought of darlings of my own,
Of laughing faces gay,
And yet not one amongst all there,
Not one, I felt, that I could spare.

"You need not grieve for me," said he;
"Your little ones are not more blessed;
This darling child, so dear to me,
Has entered into rest,
Amid the joys that never fade,
She dwells for aye, my little maid."

I saw him raise his eyes and hand
Up to the quiet summer skies—
Up to the sinews, better land,
To where his treasure lies,
Where with untiring, little feet,
She treads the City's wondrous street.

"Your little ones," he still went on,
May live to see their father's care;
But where my little child has gone,
Thank God, no pain is there!
No shade to dim the starry eyes,
In the deep calm of Paradise.

"The coming years will change bring;
Your little ones will older grow.
But she is still the little thing
I loved so long ago.
Forever, in the higher place,
She'll bear the dear and changeless face."

Too true! Down here the years roll on,
And here the heart is sore and doled,
She beareth yet—his little one—
The pure heart of a child,
No deeds that he need wish undone;
A very blameless little one.

I took the picture up again;
Too fair, too fair, those childish eyes,
To dim and sorrow with the pain
That in this old world lies,
Too true from the face from tears,
To shadow with the toil of years.

"We strive and argue here below
Of mysteries beyond our ken;
But she, my little maid, doth know
The things that puzzle men.
To this young child, they have been clear
For many and for many a year."

O child, whose feet have touched that strand
Beyond the river's restless tide,
Speak to us of the Fatherland,
To light life's eventide!
To guide us where thy feet have trod,
Up to the unknown home of God.

—[Ladies' Home Journal.]

Lake Ontario.

Deep roll thy waves, Ontario,
White-crested, angry, wild,
They dash upon thy pebbled shore,
Defiance in their sterner roar.
O'd ocean's land-locked child,
Ontario!

Low hang the storm-clouds o'er thy breast,
Dark curtains of the sky;
Till rent with lightning's vivid flash,
The winds, let loose, the waters lash,
And toss the white spray high.
Ontario!

Amid the strife of wind and wave
The rain comes rushing down,
And adds its ceaseless, hissing sound
To swell the tumult all around,
And weakens wallings drown.
Ontario!

Like some rebellious spirit thou,
With discontent enthroned
Within thy heart, or is the source
Of all this storm-remorse,
For sin to be atoned?
Ontario!

For 'neath thy waves, Ontario,
Dark secrets surely rest;
Thy curling, foam-capped billows flow,
Above deep mysteries hid below,
And yet to be confessed.
Ontario!

Now calm thy waves, Ontario,
No storm-winds round thee rave;
Upon thy sunlit, azure breast
The wild bird, weary, stops to rest
And dips its pinion in thy wave.
Ontario!

Across thy bosom white-sails speed,
Fair messengers of trade;
And on the breeze the sailor's song
Comes merrily, yee-hoe-ho, along,
To cheer the blythe milkmaid.
Ontario!

A sail, a skiff, a cloud of smoke
That marks a steamer's way,
A lumber raft with hardy crew
That bravely, surely steer it through
I see this summer day.
Ontario!

In days long past, Ontario,
The Mohawk's bare canoe,
Freighted with tomahawk and knife,
To lake the hunted Iroquois life,
Oft crossed thy waters blue,
Ontario!

Now peace and plenty bless thy shore,
And stately homes appear,
When dusky wigwam shelters strove
To hide within the forest grove,
Where roamed the antlered deer,
Ontario!

The moon a silvery pathway lights
Across thy darkening waste,
The cedar-perfumed breezes blow,
The laughing streamlets gaily flow
To thee, to thee in haste,
Ontario!

The dainty tints of breaking day
First tinge thy cold, grey wave;
The gorgeous setting sun at eve
Its glowing colors stoops to leave
Upon thy flashing wave.
Ontario!

O changeful lake, thou art ever fair
In storm, in calm, at eve;
But oh! I think I love thee best,
When storm-winds roar above thy breast,
Thy wild waves surge and heave,
Ontario!

The veil of night is thickening fast;
I strike the piano the gloom;
That hangs upon thee, lovely lake,
A parting look of thee to take,
While deep regrets consume.
Ontario!

K. DOLORES O'BRIEN.

Obligation.

If ever some pure-hearted one should give
Responsive look for gentle gleams of thine,
Forget it not, as long as thou shalt live;
But, in thy heart of heart, enshrine!

Should ever some congenial spirit say
A tender word, in friendship's garden grown,
Oh, let it not, as frosty flowers, decay;
But be as amaranthine crown!

If ever some unselfish one should do
An act of kindness, in thy time of need,
Within thy memory, faithfully renew
The fragrant incense of the deed!

Should ever some angelic woman trust
The treasures of her coming years to thee,
Let not her hopes be trodden in the dust;
But loyal to thy promise be!
E. R. L.

WORK WEARISOME AND FINE.

The Japanese Women Labor Many Hours on Delicate Embroideries.

More than once during the last few years allusion has been made to the severe labor performed by young people in Japan. It may probably be said with truth that toil of this unremitting character is a feature of Japan's new civilization. In one branch, at any rate, such is the case. We allude to the embroidery and hemming of handkerchiefs. Young girls may be seen occupied in this manner from early dawn to late evening. They sit crowded together, generally under very unsanitary conditions, and always with inadequate provisions of light. Match-making is another trade which furnishes similar examples.

It is stated, on authority commanding trust, that children in match factories in Kobe work from 3 A.M. to 7 P.M., with only two recesses of thirty minutes each. The thought of such hardship is terrible, involving as it does results that must be felt by the next generation as well as this. We do not know how it fared with the artisan in Old Japan. Probably he had to suffer hardships enough after the fashion of the time. But there were no factories in those days, neither was there any tyranny of competition, such as has been inaugurated by contact with the West. The new civilization brings with it new problems, and they have to be faced. We have as little faith as any in official interference. Besides, this Japanese public in a definite form.

That there are excessive pain and suffering among some sections of the population is perhaps understood vaguely by many observers. There has not yet, however, been any audible remonstrance from the workers themselves. They submit to their toil quietly and uncomplainingly. We hear of hand silk-reelers in Joshi, who begin their day at 4 p.m., and end it at 1 a.m. For them the toil of one day is carried into the next. But that is an exceptional effort, made for a season only, and does not continue all the year round, as is the case in the factory. Comparable with it is the toil of the tea-house waiting girl. The story of her daily life is almost incredible. Rising with the first streak of daylight, she cannot rest until the last quiet has ceased from his carousals. Three or four hours of sleep representing her entire respite from toil.

Emigration to Canada.

The emigration to Canada was larger last year than usual, and the area of land settled on is greatly in excess of that of previous years. A remarkable feature of last year's immigration was the settlement in Manitoba and the North-West of a large number of farmers, who had been attracted by the fertility of the soil, and the excellent crops the farmers have secured during the last two years. The Canadian Government offer very liberal attractions in the shape of free grants of land in Manitoba, the North-West Territories, and British Columbia, and they also give money bonuses to families or individuals taking up land in those provinces within eighteen months of their arrival. All over the Dominion, however, land can be obtained on very favorable terms. The classes in demand are those with capital, farmers, farm labourers, and female domestic servants, while skilled mechanics and others who have friends in the country, or who are assured of work on their arrival, may go with safety. Persons who are contemplating emigration cannot do better than consult the Government pamphlets, issued from the Emigration Bureau, Broadway, Westminster, and the Canadian Government agents.—[Spare Moments.]

Three-quarters of a second is the time occupied by the fall of a knife in the guillotine. The knife is weighted by 120 lbs. of lead, falls 9 feet, and cuts through flesh and bones as easily as through a bar of soap.

Some of the native women of Australia have a queer idea of beauty. They cut themselves with shells, keep the wounds open for a long time, and when they heal huge scars are the result. These scars are deemed highly ornamental.

Paper money has been shown to contain disease germs to an extent not at all reassuring just now. An examination of two Cuban notes revealed that they contained more than 19,000 germs of various kinds.

WHEN COAL WAS FIRST USED.

Heard Of as Fuel as Far Back as 1636—Preceded by Wood and Charcoal.

Though coal had been employed for centuries in the manufacture of salt on the shores of the coal fields, wood had hitherto continued to be the fuel at the inland salt works. The use of coal at Nantwich is mentioned as a novelty in 1656; and according to the *Contemporary Review*, at Droitwich wood fuel and leaden pans were in use up till 1691. In this era the sea salt manufacture was in the zenith of its prosperity. But the substitution of coal for wood in the inland salt trade, aided by the discovery of rock salt, which took place accidentally in boring for coal in Cheshire, 1870, led to the gradual decline and final extinction of the manufacture of salt on the coast. The only traces now remaining of this once flourishing industry exist in such names as Howl-pans on the Tyne, Prestonpans on the Forth, Saltcoats in Ayrshire and Saltpans in Arran and Kintyre, or in the Scotch proverb, "Carry salt to Dysart," synonymous with the English "Carry coal to Newcastle." In no branch of industry was the scarcity of wood more keenly felt than in the smelting of metalliferous ores. Continued efforts to accomplish this with coal began immediately after the accession of James I. and were persevered in throughout the seventeenth century. But for a long period the new fuel proved highly intractable, and scheme after scheme ended in failure and disappointment.

After eighty years of oft-repeated trials the tantalizing problem remained unsolved. Wood and charcoal still held the field in the smelting furnaces and all hope of ever seeing coal substituted for them had well nigh died out. In 1686 Sir John Pettus, in his "Essays on Words Metallick," concluded his observations regarding sea coal and pit coal with the remark: "These are not useful to metals." The unpromising prospects, however, soon began to brighten. Immediately after the revival of lead and copper mining, which took place about 1692—having probably been more or less in abeyance since the interruptions occasioned by the civil wars, when

The fisher left his skiff to rock
On Tamar's glittering waves;
The rugged miners rushed to war
From Mondip's sunless caves.

—these ores came to be smelted with coal. The extraction of silver from lead with coal was accomplished by a Mr. Lydal in 1697, and the same individual appears to have been the first to successfully employ coal in the smelting of tin, in 1705. The ores of iron proved more refractory, no substantial and permanent success in smelting them with coal being obtained till near the middle of the eighteenth century, when the manufacture of charcoal iron had dwindled to very small proportions—in fact, was dying out for want of fuel. It then at length became an accomplished fact at the Coalbrookdale iron works in Shropshire. The success was at first ascribed to the Shropshire coal, but probably the employment of a strong blast had a great deal to do with it. From this the coal became the life of the iron manufacture. The ci-devant drooping trade rapidly revived, and the latter part of the eighteenth century saw coal iron furnaces in successful operation throughout the kingdom.

CANADA'S POSTAGE STAMPS.

Collectors in England Who Admire the Designs.

The President of the Leeds Philatelic Society at a recent meeting described the stamps of Canada, which, he said, like those of the other British North American colonies, are all very handsome in design and exquisite in workmanship. The first issue of three values, was in April, 1851. The designs were a Beaver for the 3d. value, a portrait of Prince Albert for the 6d., and one of the Queen for a stamp which was given as of the value of "twelve pence," which is probably a unique instance of a shilling being so denominated. The second issue consisted of the same three stamps on different paper. In 1855 a 10d. stamp was brought into use, bearing the portrait of Jacques Cartier, who first explored the St. Lawrence, so naming that splendid river from having entered it on St. Lawrence's Day. In 1857 a couple of new values were added—7½d. and 1d.—with Queen's heads of different types for the central design. In the same year the 3d., 3d., and 6d. were issued perforated. On the 1st of July, 1859, a radical change occurred in the currency of the Colony, which adopted dollars and cents in lieu of shillings and pence, and the stamps were issued of the same designs as before, with but slight alterations, to conform to the new coinage, the "twelve pence" being discarded altogether. A 2-cent value was added in 1861. In 1868 the whole set was superseded by a new series of handsome stamps of large size and uniform design, intended for use not merely in one colony as the previous stamps had been, but for the whole Canadian Dominion, formed by the union of Canada, New Brunswick, and Nova Scotia in the first instance, and afterwards of British Columbia, Manitoba, and Prince Edward Island. In 1870 these large stamps were replaced by new ones of practically the same design, but smaller and more convenient in size, which are still in use, with one or two additional values.—All the members present, with a single exception, showed their collections of Canadian stamps, Mr. Beckwith's own series being not far from complete.

149 Birds at One Shot.

During the recent severe weather in Scotland a very extraordinary shot was made by Sir Charles Ross's puntsman. A large number of birds were seen sitting on the ice, and the puntsman succeeded in getting within about sixty yards of them. Some of the birds rose as the gun was fired, but the total number killed by the discharge was 149: they included several species, but the majority were plover. The gun was 1½ inches in bore, and the charge 4 ounces of powder and 14 ounces of No. 3 shot. The shot was doubtless rendered much more destructive than it would otherwise have been, owing to the pellets skidding along on the flat surface of the ice.

The latest English idea in insuring the lives of customers is embodied in an "insurance" corset. With each corset sold is presented a coupon, insuring according to the value of the article, the purchaser for £25, £50, or £100, against death by accident.