

Contractors to His Majesty's Government.



TELEGRAPHIC ADDRESS—

"EXEMPT, LONDON."

"CLANSMAN, MANCHESTER."

A.B.C. CODE USED.

THE FIRE APPLIANCE CO.

(DICK'S PATENTS.)

CHIEF OFFICE:

**83, Upper Thames Street,
London, E.C.**

MANUFACTURERS OF
PORTABLE CHEMICAL
FIRE EXTINGUISHERS,
Fire Hose, Couplings,
Stand Pipes, Valves,
etc., etc.

HYGIENIC CONDENSING GAS HEATING STOVES
A SPECIALITY.

ALL PREVIOUS LISTS CANCELLED.

MAY, 1911.

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DICK'S

New System of Chemical Fire Extinguishers.

THE most powerful means, not only of **extinguishing** small fires, but of **preventing** large ones. Very large fires cannot be extinguished—they simply burn themselves out; and water, as it is thrown upon them, is evaporated and disintegrated by the intense heat, and merely feeds the flame. **All fires**, however, may be arrested and extinguished **in their early stages**. The first five minutes of a conflagration decide the fate of the building. Much valuable property is annually destroyed because the ordinary appliances are not available at the moment.

"DICK'S FIRE EXTINGUISHERS" not only afford the means of at once grappling with a fire on its outbreak, when it is comparatively small and easy to master, but it does so with that most powerful of all antagonistic agents to fire—**Carbonic Acid Gas**. This gas is projected on the flames, not in its simple gaseous state, but by means of water highly impregnated with it; and thus, while it is perfectly harmless to the operator, it acts with effect upon the flames, which it instantly extinguishes by displacing the oxygen of the atmosphere, without which no fire can exist.

"DICK'S PORTABLE FIRE EXTINGUISHERS" consist of a Cylindrical or cone-shaped (according to size) vessel, with aperture for charging it with chemicals, and tap and tube for directing the contents on the fire. It is filled with water, which by the admixture of two chemicals, becomes densely charged with Carbonic Acid Gas, and destroys combustion even of those materials which it is very difficult, or quite impossible to extinguish by water—as, for instance, tar, spirit, &c. **It stands always charged and available for instant action**, and can be **used by any person**, male or female, without any loss of time, and without any damage whatever to the operator. It is simply and speedily charged, according to instructions sent with each engine. When charged the gas is generated within the vessel itself, and from its compressibility, affords the power which projects the liquid. The working pressure varies from 120 to 210 lbs. per square inch, according to the temperature of the surrounding atmosphere, and the projectile range of the jet is from 30 to 40 feet. The chemicals never lose their strength, even if the apparatus stands for years unused.

. . TESTIMONIALS. . .

IMPORTANT TO YACHT OWNERS.

The late Lady BRASSEY, in her "Voyage of the 'Sunbeam,'" says—

"THURSDAY, 15th February.—We were aroused by a cry of 'Fire,' but soon saw 'Allen' appearing with a 'Fire Queen' on his back, which was used freely, and with the greatest success against the flames. It is an invaluable invention, especially for a yacht, where there are so many holes and corners which it would be impossible to reach by ordinary means. There can be no doubt that the preservation of the yacht from very serious damage, if not from complete destruction, was due to the prompt and efficient manner in which the 'Fire Queens' were used. It was not our first experience of the value of this invention, for not very long before we undertook our present expedition a fire broke out in our house in London, on which occasion the 'Fire Queens' we fortunately had at hand rendered most valuable service in subduing the flames."

LARGE MILL SAVED BY DICK'S FIRE QUEENS.

Messrs. WILLIAM BAKER & SONS, Bristol, say—

"We have much pleasure in stating that we owe the preservation of our larger mill from destruction by fire on Wednesday last to the use of your 'Fire Queens.' Within three or four minutes of breaking out, the fire had got such a hold on two floors as to be out of reach of any available power of water to extinguish it, and before any fire engines or reels could have arrived we have no doubt that the whole building would have been in flames; but, happily, by the application of the 'Fire Queens,' we had the fire under control in less than a minute, and entirely extinguished in less than three minutes. We cannot speak too highly of the value of these little engines. Please send us, as early as possible, 14 No. 5 'Fire Queens' and 42 charges."

REMARKABLE TESTIMONIAL.

HIGHFIELD, HEATON, MERSEY,
Near Manchester,

[Copy of letter].

3rd August, 1905.

"Gentlemen,

"Enclosed please find cheque in settlement, etc., etc.,—

"It will interest you to know that during the heavy thunderstorm which we experienced recently, the lightning travelled along a telephone wire into my house, and melting a gas pipe, ignited the escaping gas.

"Had it not been for the prompt use of one of your portable engines, No. 4 'Fire Queen,' the result would have been disastrous, as the flames were getting a firm hold on the drawing room floor.

"I have no objection to your using my letter as a testimonial to the efficacy of your Fire Extinguishers.

"Yours truly,

To The Fire Appliance Co., JOSEPH DUCKWORTH."
London and Manchester.

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TESTIMONIALS. . .

Captain TOZER, Superintendent of the Manchester Fire Brigade, says—

" . . . On the arrival of our Brigade I ordered two Firemen to use the 'Fire Queens' which were on the premises, and I found that the machines fully answered my previous expectations of their usefulness, as they extinguished the fire without the use of either engines or men. The 'Fire Queens' are invaluable at early outbreaks of fire."

The DUKE OF ARGYLL says—

"I have much pleasure in stating that Dick's 'Fire Queens' were of the greatest possible service in the severe fire at Inverary last week. By the use of them the fire was arrested at various points where it was about to gain access to new divisions of the building; indeed it is possible that without them the fire could not have been kept out of rooms which are now intact."

The DUKE OF BEAUFORT says—

" . . . As if by magic the 'Fire Queen' extinguished the fire instantly. There was a Cassiobury Fire Engine close by. We could not have used it, as we could not have stood up to work it, nor have thrown the stream under the burning bed, as we did with the 'Fire Queen.' I want four more of your 'Fire Queens' and necessary charges for Badminton House, and four for Troy House. I am going to write to my daughter, Lady Waterford, and my sister, Lady Londesborough, to tell them they must get some of the 'Fire Queens.' *Thanking you for having invented such a valuable engine.*"

The MARQUIS OF WATERFORD says—

"I cannot speak too highly of your 'Fire Queens,' as I consider they saved this house from very serious damage, if not from total destruction, on Dec. 24th last.

"A fire which might have been alight something like half-an-hour when discovered was put out by my butler with your 'Fire Queens' before the fire brigade arrived, although it had attained such proportions that he was driven out of the room by heat and smoke over and over again.

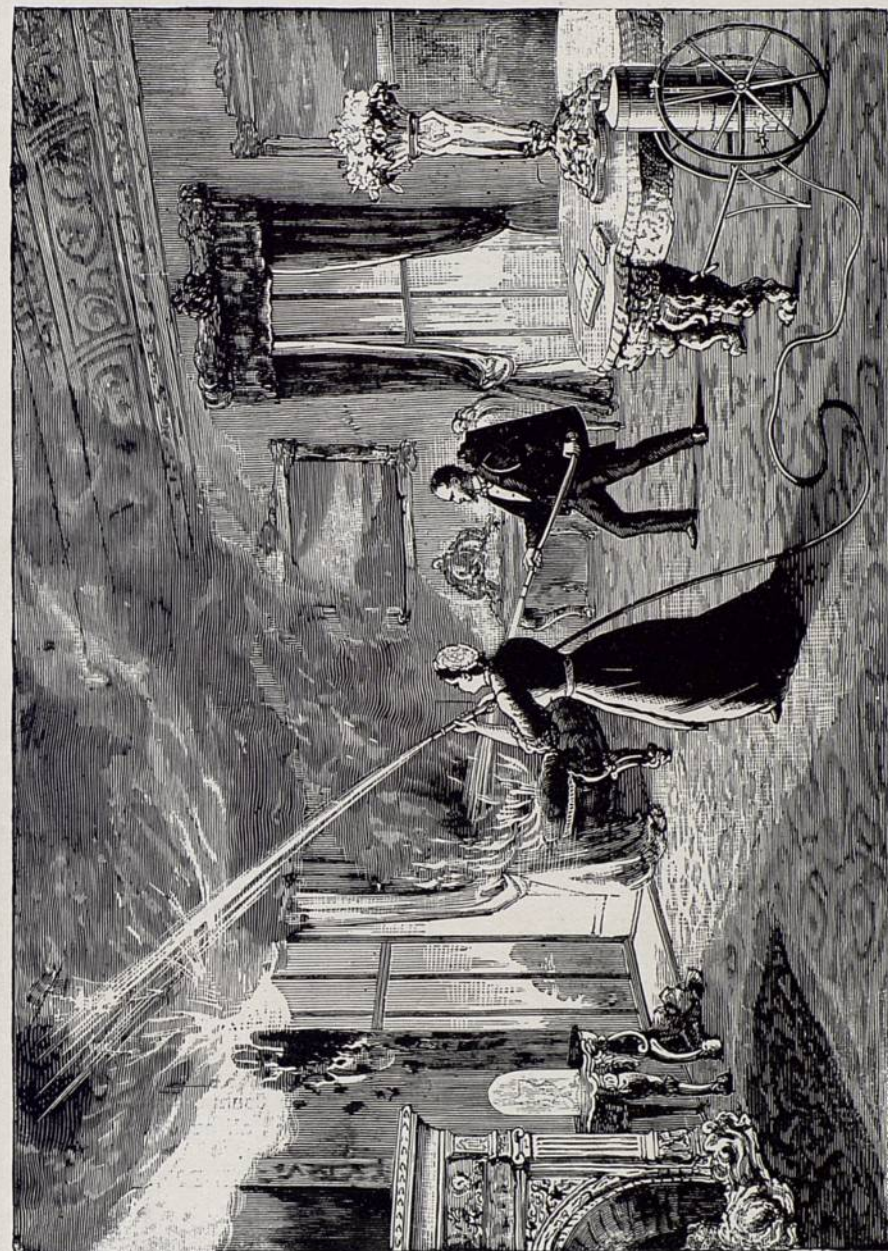
"Thanking you for so wonderful an invention."

Lord CHARLES BERESFORD says—

"Your invention is undoubtedly the best on a sudden emergency. It is probable my house here would have been burnt down but for my possessing a couple of 'Fire Queens.'"

Undoubtedly the Best Fire Extinguisher ever brought before the Public.

AWARDED 104 FIRST PRIZE EXHIBITION HONOURS.



ADOPTED EXTENSIVELY ALL OVER THE WORLD.

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ADOPTED EXTENSIVELY ALL OVER THE WORLD.

Dick's Fire Extinguishers.

DICK'S "FIRE QUEEN"

Obtained the **HIGHEST AWARD, GOLD MEDAL**, against Eight Competitors, at the **AMSTERDAM EXHIBITION**.



AFTER HAVING
BEEN USED THEY ARE
AS GOOD AS EVER,
AND CAN BE
RE-CHARGED IN A FEW
SECONDS.

THE CHEMICALS
NEVER LOSE THEIR
STRENGTH, EVEN IF THE
APPARATUS
STANDS FOR YEARS
UNTOUCHED.

Invaluable for Public Works, Spinning and Weaving Mills,
Factories, Warehouses, Hotels, Steam and Sailing Ships,
Yachts, Churches, Theatres, Public Institutions.

Size.	Contains Water.	Contains Carbonic Acid Gas.	PRICE, including One Charge.	Price of Extra Charges.
No. 4	5½ Gallons.	44 Gallons.	5 s. 0 d.	4/- each.
No. 5	7½ "	60 "	6 0 0	5/- "
No. 6	9 "	72 "	7 0 0	6/- "

IMPROVED LEATHER YOKES, 5/- extra nett.

THEY HAVE BEEN SUPPLIED

To H.M. THE KING and ROYAL FAMILY at the different Palaces.
To most of the Royal Palaces in the World.
To nearly all the Nobility and Gentry of this and other Countries.
To Public Buildings, Hospitals, Asylums, Workhouses, &c., all over the World.
To all the Principal Home and Foreign Railway Companies.
To the Civil and Military Departments of EVERY EUROPEAN POWER.

OVER 300,000 HAVE BEEN SOLD.

CONTRACTORS TO HIS MAJESTY'S GOVERNMENT.

Dick's Fire Extinguishers.

It is our special duty to draw attention to the advantages of an extra Discount now being allowed to Woollen, Worsted, and other Manufacturers by the Insurance Companies for our 1-gallon, 2-gallon, and 5-gallon Extinguishers, particulars of which you will find below.

Portable Chemical Extinguisher of not less than five gallons water capacity, having one Extinguisher to each 500 superficial square yards, and not less than one on each floor ; or Ditto, ditto, of not less than two gallons water capacity, having two to each 500 superficial square yards, and not less than two on each floor ; or Ditto, ditto, of not less than one gallon water capacity, having not less than six to each 500 superficial square yards, and not less than six on each floor.

5%

Scales of Discount allowed by Insurance Companies vary according to material stocked in some districts. Insurance Tariffs should always be applied for.

THE CHIEF MERITS OF DICK'S EXTINGUISHERS ARE:—

Their extraordinary superiority over ordinary Fire Engines by the introduction of Carbonic Acid Gas held in solution by the water.

The immediate propulsion of the gaseous fluid upon the fire, where the Carbonic Acid Gas is liberated, thereby causing the instantaneous extinction of the flames.

Their compact form, handy shape, extreme portability, and the ease with which they can be used effectively by any one—male or female.

Their power to extinguish fire without saturation of goods by water—a very important consideration.

They are strong, well made, and so constructed that they cannot get out of order.

The Chemicals are perfectly harmless to life, health or property, as certified by the late Dr. Wallace, of Glasgow, the celebrated Analytical Chemist.

The pressure inside the Extinguisher drives the gaseous fluid through the hose and director with great force to a distance of 30 feet. The stream can also be sent to the height of from 20 to 30 feet.

Every Machine is fitted with a strong tap, by means of which the stream of fluid can be stopped or regulated at will.

RECOMMENDED BY INSURANCE COMPANIES.

Dick's Fire Extinguishers.

DICK'S "DOMESTIC FIRE QUEEN."

(Suitable for Mansions.)

Specially adapted
for
Private Residences,
Shops, Hotels,
Institutions, &c.



And all classes of
Buildings
where Portability
is absolutely
necessary.

MADE IN THREE SIZES.

Size.	Contains Water.	Contains Carbonic Acid Gas.	PRICE, including One Charge.	Price of Extra Charges.
No. 3	1½ Gallons.	12 Gallons.	75/- each.	2/6 each.
No. 3A	3 "	24 "	80/- "	3/- "
No. 3C	4 "	35 "	100/- "	4/- "

This Extinguisher has been specially designed for use in Mansion Houses. It is fitted with an overhead handle, which enables it to be easily carried by domestic servants.

THEY HAVE BEEN SUPPLIED

To H.M. THE KING and ROYAL FAMILY at their different Palaces.

To most of the Royal Palaces in the World.

To nearly all the Nobility and Gentry of this and other Countries.

AWARDED 104 FIRST PRIZE EXHIBITION HONOURS.

CONTRACTORS TO FOREIGN GOVERNMENTS

Dick's Fire Extinguishers.

ALWAYS READY.

ALWAYS RELIABLE.

ALWAYS EFFICIENT.

The Best Fire Extinguisher ever offered to the Public for preventing

SERIOUS CONFLAGRATIONS.

ANOTHER REMARKABLE TESTIMONIAL LETTER.

BOLTON HALL, CLITHEROE,
21st August, 1905.

"Dear Sirs,

"You will, without doubt, be interested in the following, concerning the 'Fire Queens' you supplied to me.

"I had a fire break out owing to a newly put in Fire grate, and although the 'Fire Queens' had not been fresh charged since I bought them, everything was in perfect working order, and the fire was at once put out.

"It would perhaps be worth your while to ascertain from your books in what year I purchased the 'Fire Queens.'

"I have great pleasure in saying that you have my free permission to make any use you like of this letter.

"I am, dear Sirs,

Yours faithfully,

C. B. E. WRIGHT."

To The Fire Appliance Co.,
London and Manchester.

SPECIAL NOTE.

"Upon reference we find that these machines were supplied **NEARLY TWENTY-ONE YEARS AGO**, and although this is a remarkable testimony to the wonderful efficiency and power of endurance of Dick's 'Fire Queens,' it is by no means advisable to allow the 'Fire Queens' to remain without being discharged and re-charged longer than one or two years.

Considering the trifling expense of re-charging we strongly recommend that all machines should be discharged and re-charged about once a year, which is a complete insurance upon the machines being in absolutely perfect order at all times.

Fires arrested at their early Stages.

. . . Disastrous Results avoided.

A SAFEGUARD FOR THE MANSION AND THE COTTAGE.

PORTABLE AND SELF-ACTING.

Dick's Fire Extinguishers.

DICK'S "LITTLE FIRE QUEEN."

MADE IN FOUR SIZES.

Size.	Contains Water.	Contains Carbonic Acid Gas.	Price including One Charge.	Price of Extra Charges.
No. 1	$\frac{3}{4}$ Gallons.	6 Gallons.	16/-	1/- each.
No. 2	1 $\frac{1}{4}$ "	10 "	18/-	1/6 "
No. 3	2 "	16 "	22/-	2/- "
No. 3 D	3 "	25 "	28/-	2/6 "

The Nos. 3 and 3 D sizes are also made with Tap only, and with Tap and Hose for regulating the discharge of the fluid. (See below.)



WITH TAP ONLY OR WITH TAP AND HOSE.



Size.		Price of Extra Charges.
No. 3, with Tap	5/- Extra.	2/- each.
No. 3D, " "	5/-	2/6 "
No. 3, with Tap and Hose	10/- "	2/- "
No. 3D, with Tap and Hose	10/- "	2/6 "

These Extinguishers are so made that they can either be hung up or placed to stand in any convenient position.

ALWAYS READY. ALWAYS EFFICIENT.

SPECIALLY ADAPTED FOR MILLS AND FACTORIES.

Dick's Fire Extinguishers.

FIRES EXTINGUISHED

WITHOUT SATURATION.

DICK'S "Little Fire Queen" is a simple modification of the larger and world-renowned Chemical Fire Engine, known as **"DICK'S FIRE QUEEN."**

It has been specially designed for Cotton Mills, all kinds of Spinning and Weaving Factories, Warehouses, Shops, Private Residences, and every place where goods or property are exposed to sudden danger from fire. It can be used and handled with the greatest ease by anyone, male or female, old or young. All that is required to put it in action is to strike the knob on the top against any hard substance. The result is an immediate rush of fluid supersaturated with **CARBONIC ACID GAS**, the most deadly antagonist of fire. This fluid rushes forth with such force, that any desired position, within a radius of 25 feet can be reached. The fluid is harmless to life or health, and will not injure the goods, however delicate, with which it comes in contact. The fire is thus extinguished more quickly and with greater certainty than when only water is used, and yet without damage to stock.

In Cotton Mills, &c., one **"LITTLE FIRE QUEEN"** is worth more than all the buckets in the flat, since from it can be concentrated a steady stream of the most powerful fire-extinguishing fluid direct on the fire from a distance of 25 feet.

A strong recommendation of **"THE LITTLE FIRE QUEEN"** is that the Insurance Companies allow a Liberal Discount off Premiums to insurers provided with them.

OVER 21,000 FIRES EXTINGUISHED
BY THEIR USE ALONE.

The Chemicals are

perfectly harmless to

Life, Health or Property.

. . See Insurance Companies' Scale of Allowances.

Dick's Fire Extinguishers.

THE "LION" HAND FIRE EXTINGUISHER.



THE ACME
OF
SIMPLICITY



Price

48/-

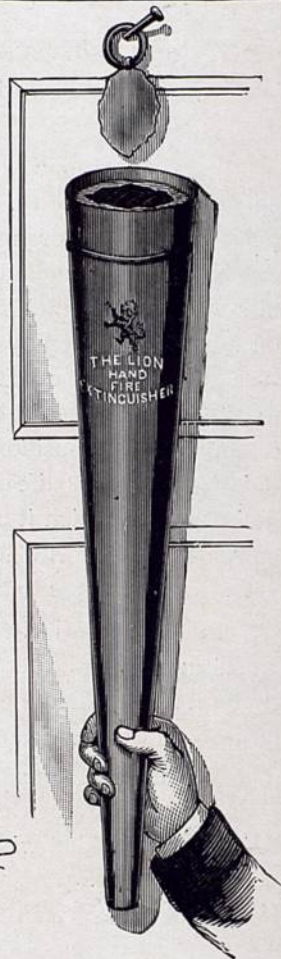
Per Doz.



CHEAP.

HANDY.

EFFICIENT.



✱ INSTRUCTIONS. ✱

The Tubes to be hung up in prominent positions. On the discovery of fire, tear off the top of the Tubes, by either method, as shewn in the illustrations, and scatter the contents at the seat of the fire.

RESULT—INSTANTANEOUS EXTINCTION.

Adapted Specially for Steamships and Collieries.

Dick's Fire Extinguishers.

THE "LION" HAND EXTINGUISHER IS EASILY OPENED.

SIMPLE, SURE, AND SPEEDY.

INVALUABLE for Mills, Factories, Warehouses, Shops, Ships, Yachts, Railway Stations, Public Institutions, Theatres, Country Mansions, Town Houses, and Hydropathic Establishments.



PRICE **48/-** PER DOZEN.

NO EXERTION NECESSARY.

The Chemical Liquid is harmless to life or goods, is non-asphyxiant, and only generates gas when in contact with fire.

No Leakage.

Shipped with safety anywhere.

ABSOLUTELY INDISPENSABLE FOR ASYLUMS.

Dick's Fire Extinguishers.

THE "LION" HAND GRENADE.

Over
a Million
Hand Grenades
have been
sold.



Throw
the Grenade
at the
seat of the
Fire.

RESULT—INSTANTANEOUS EXTINCTION.

Price **36/-** Dozen.

The "Lion" Fire Extinguishing Liquid.

For use with Fire Pumps, Buckets, Syringes, &c.

NON-VOLATILE.

100 Times More Effectual than Water.

Price **6/-** Per Gallon.

IN 5 AND 10 GALLON DRUMS.

FLUID NOT AFFECTED BY CLIMATE.

THESE GRENADES ARE EXTENSIVELY ADOPTED BY THE
INDIAN GOVERNMENT.

Dick's Fire Extinguishers.

DICK'S PORTABLE HAND FIRE PUMPS.



A—The "Lion" Hand Pump
(3-feet Hose).

... Prices ...

A - - 45/- each.

B - - 70/- "

**BEST PUMPS
ON THE
MARKET.**



B—The "Fire Brigade"
Pump (6-feet Hose).

DICK'S AUTOMATIC LID FIRE BUCKETS.

**DICK'S
Automatic Double-Lid
Fire Bucket.**

Specially adapted for
Flour Mills and Warehouses.

Price 8/6 each.



Double-Action
Lid Bucket.

**DICK'S
Automatic Half-Lid
Fire Bucket.**

Specially adapted for
Railways, Theatres,
Hospitals, &c.

Price 7/- each.

GALVANIZED BUCKETS.

Lettered "FIRE" in Black.	WEIGHT.	SIZE.	PRICE.	Painted Red Outside. Blue Inside.
	48 to 50 lbs.	12 inch.	28/- per doz.	
	60 to 72 lbs.	12 inch.	30/6 "	

Other Sizes and Weights specially quoted for.

Dick's Fire Extinguishers.

Price List of Interchangeable Parts and Accessories.

For the "Domestic" and Nos. 4, 5, and 6
"Fire Queens."

Brass Cradle complete ...	13/6	Hose Lengths (3 ft.) ...	3/6
„ Top Cap ...	2/-	Hose Union Washer, doz...	1/6
„ Tap complete ...	10/-	Leather Yokes ...	8/6
„ Tap Cover ...	6/-	Lead Cradle Washer, doz.	4/-
Diaphragm Washer, doz....	4/-	Spanners ...	1/9
Hose and Brass Fittings		Tap Straps, doz. ...	6/-
complete ...	8/6	Web Yokes... ..	2/-

For the "Little Fire Queens."

Brass Top Cap, ...	8/- per doz.	Hose Lengths (1½ ft.)	2/- each.
„ „ Cover complete		Rubber Nozzle Caps, 1/9 per doz.	
„ „ ...	6/- each.	Top Diaphragm Washer,	
Brass Tap... ..	6/- each.	... ..	4/- per doz.
Hose and Brass Fittings			
complete ...	6/6 per set.		

ALL REPAIRS PROMPTLY EXECUTED.

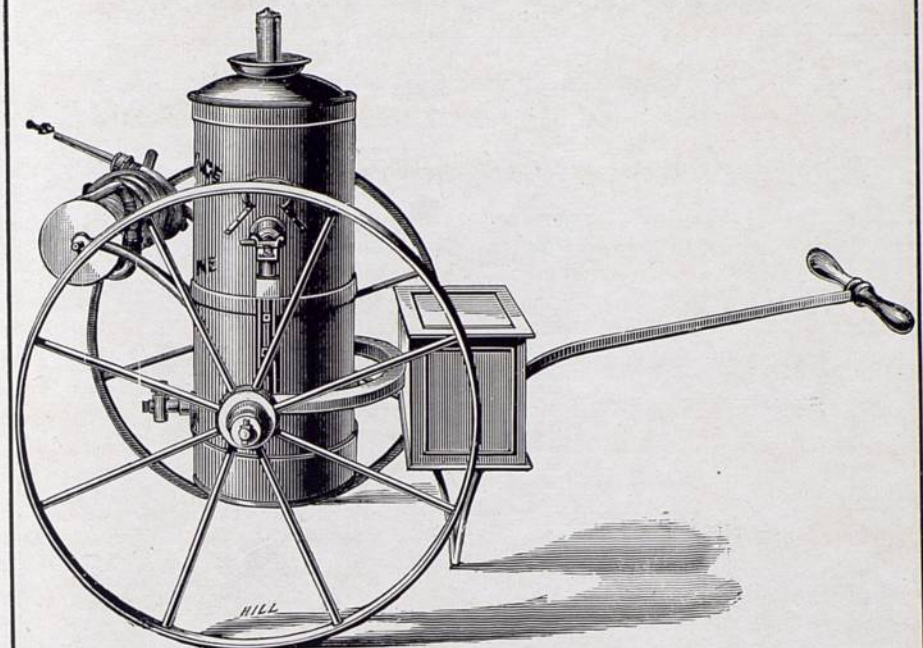
OLD EXTINGUISHERS CONVERTED TO

DICK'S PATENT, LATEST PATTERNS.

When ordering Parts, Accessories, or Charges, size numbers of Extinguishers must be distinctly stated.

CONTRACTORS TO COLONIAL GOVERNMENTS.

DICK'S "FIRE QUEEN"



"SINGLE EXPRESS," No. 1.

THIS MACHINE is designed for large buildings with long corridors or passages, and is a most powerful and effective engine. It holds about 10 gallons of Water, and in action discharges about 100 gallons of Carbonic Acid Gas. Height 38½ inches, diameter 10½ inches, fitted on Carriage with 24-inch wheels, Drag Handle, Charge Box for two charges, 10 feet of ¾-inch best Hose with Brass Nozzle.

Price complete **£14 5s.** Charges **7/6** each.

"SINGLE EXPRESS," No. 2.

Height 42½ inches, diameter 14½ inches.

It holds about 20 gallons of Water and generates about 200 gallons of Carbonic Acid Gas. Wheels 36 inches, two 10-foot lengths ¾-inch best Hose, coupled in the centre, with 10-inch Brass Director fitted.

Rest as No. 1.

Price complete **£24.** Charges **12/6** each.

"SINGLE EXPRESS," No. 3.

Height 45 inches, diameter 16 inches.

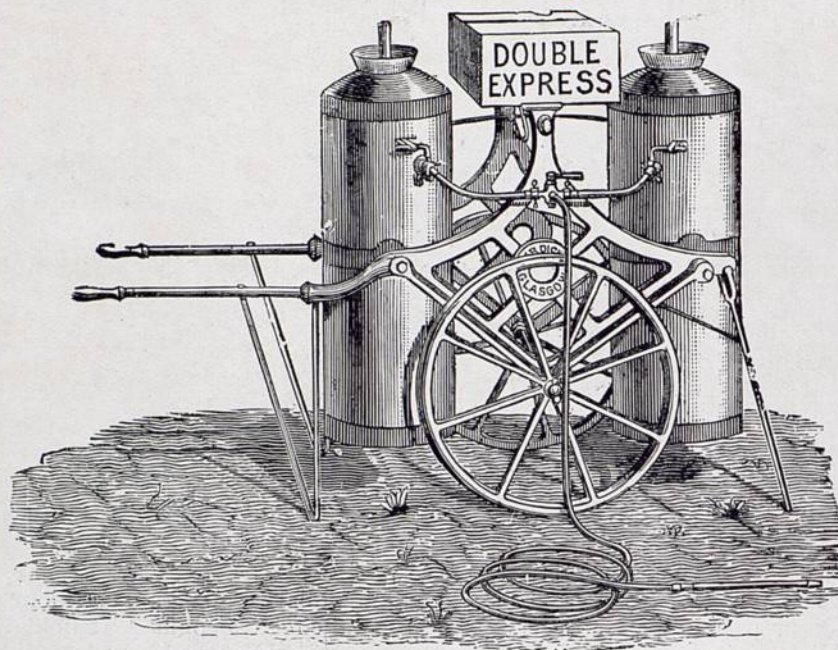
It holds 25 gallons of Water and generates about 250 gallons of Carbonic Acid Gas. Fitted with 36 inch Wheels, two 15-foot lengths of ¾-inch best Hose, coupled in centre, and a 10-inch Brass Director.

This Machine is fitted with a Hose Reel.

Price complete **£27 10s.** Charges **14/6** each.

Dick's Fire Extinguishers.

DICK'S "FIRE QUEEN."



"DOUBLE EXPRESS."

THIS is an enlarged and more powerful engine of the "Single Express" type, and consists of two Cylinders, each measuring $42\frac{1}{2}$ inches high by $14\frac{1}{2}$ inches in diameter, which are fitted upon Carriage with 30-inch Wheels. It holds about 40 gallons of Water, and generates and discharges in action about 400 gallons of Carbonic Acid Gas. It has Charge Box for two extra charges, two 15-foot lengths of $\frac{3}{4}$ -inch best Hose, coupled in centre, and a 10-inch Brass Director.

This is the largest and most efficient Chemical Fire Engine in existence, and for Colleges, Schools, Hospitals, Churches, and all large buildings where it can be handled is the surest protection against serious fire possible.

Price complete **£48 10s.** Charges **12/6** each.

STRONGLY RECOMMENDED TO COLONIAL SHIPPERS.

THE "ECONOMIC GAS" STOVES.

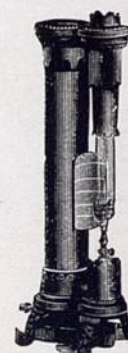
The Perfection of Gas Heating.

Possess the following features not to be found in any other Gas Stoves :—

No flue required. Not a particle of smell. No dry, stifling air. Clear agreeable atmosphere. No unconsumed Gas. Perfect combustion.

Combustion fumes entirely condensed in form of liquid into moveable tray, devoid of any sort of smell. Can be fixed anywhere.

Strongly Recommended for Sick Rooms.



No. 1.

Argand Burner.

Consumes 4 feet at half power and 6 feet at full pressure per hour.

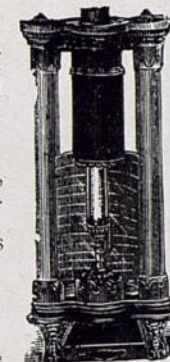
Suitable for Conservatories, Bedrooms, &c., 10 or 12 ft. square.

Height ... 33 inches

Breadth ... $10\frac{1}{2}$ "

Depth ... $10\frac{1}{2}$ "

Price ... 45/-



No. 6.

Same as No. 1 in construction, but larger and more powerful.

Suitable also for Lobbies, Shops, Offices, &c. 12 to 14 feet square.

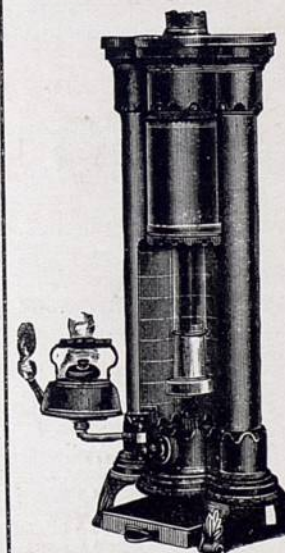
Gas consumption same as No. 1.

Height ... 33 inches

Breadth ... $14\frac{1}{2}$ "

Depth ... 9 "

Price ... 60/-



No. 2.

Same construction as No. 1 and No. 6, but larger and more powerful.

Consumes $5\frac{1}{2}$ feet at half power, and $7\frac{1}{2}$ feet at full pressure per hour.

Suitable for Halls, Lobbies, Shops, Rooms, from 18 to 20 feet square.

The Cheapest and most efficient Heating and Lighting Stove in existence.

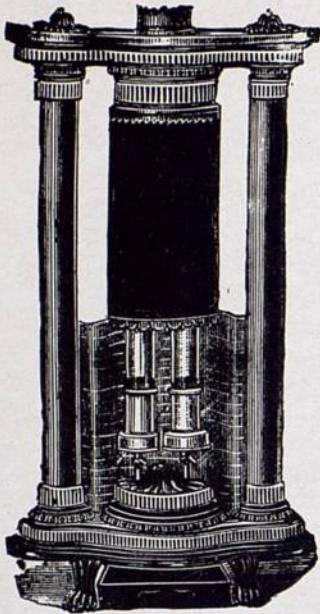
Height, 40 inches. Breadth, 17 inches.

Depth, 12 inches.

Price ... 85/-

Boiling Bracket fitted, 10/- extra.

THE ECONOMIC (Condensing) GAS STOVES.



No. 4.

Same construction as Nos. 1, 6, and 2, but very much more powerful.

Two Argand Burners. Consumes 10 feet of gas at half-power, and 14 feet at full pressure per hour.

Suitable for Banks, Large Offices, Shops, Halls, Churches, Chapels,

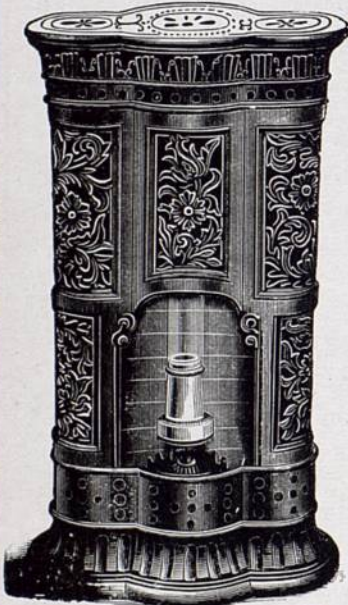
Public Libraries, Board Rooms, etc.,
of large dimensions.

GIVES LIGHT AS WELL AS HEAT.

Height ...	...	...	...	50 inches.
Breadth ...	...	...	...	27 "
Depth ...	...	...	...	15 "
Price ...	...	£8	5s.	

THE "DOULTON" STOVE.

FOR GAS



Same construction as No. 2, but encased in an Artistic Cover of Doulton Ware.

This is an exceedingly handsome Stove, and will harmonise with the most expensive and chaste decorations.

Suitable for Drawing Room, Dining Room, Art Galleries, Public Buildings, and large houses.

Height ...	...	...	...	39 inches.
Breadth ...	...	...	...	22 "
Depth ...	...	...	...	13 "
Price ...	...	£8	0 0	

Can be supplied to burn Oil,

Price ... £8 10s.

No Smoke. No Smell. No Vitiating Air.

Fire Extinguishers.

(DICK'S PATENTS.)

Nos. 4, 5 & 6, **FIRE QUEENS**, see page, 4.

How to Charge the "FIRE QUEEN."

1st.—Lift off the Top Cap, unscrew the Top Brass, and withdraw it.

2nd.—Dissolve thoroughly the contents of the White Canister in about a gallon of water, and pour this into the engine, after which fill it up to the brim with water, then agitate to ensure the chemicals being dissolved.

3rd.—Draw back the Brass Rod of the Top Brass, place the Glass Bottle in the Brass Cradle, press down the Brass Rod until the upper portion of the Cradle rests upon the shoulder of the Bottle, so as to secure it from falling out.

4th.—Insert the Cradle in the Engine; screw it *firmly down* until *airtight*, use the Spanner, and replace the Top Cap.

The Engine is now charged, and remains in this state until required.

How to use the "FIRE QUEEN."

When required, remove the Top Cap, strike the Brass Knob with the Hammer Wrench until you feel the Bottle is broken; the Engine is then ready for use.

THE FIRE APPLIANCE CO.

Chief Office

83, Upper Thames St., London.

ALSO AT

Arcade Chambers, St. Mary's Gate, Manchester.

BEST QUALITY CANVAS FIRE HOSE PIPE.

FOR FIRE BRIGADE, MILL, COLLIERY & GENERAL USE.

MADE FROM FINEST LONG FLAX YARNS.

"LION" BRAND

Guaranteed Genuine

HANDWOVEN,

No. 1 Quality.

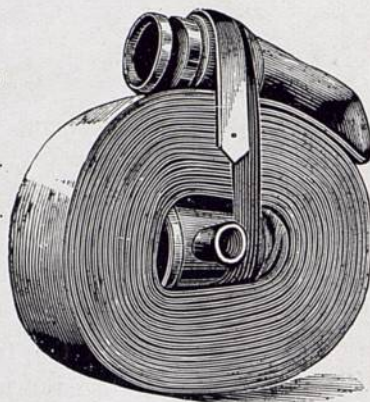
To stand about
350/400 lbs. per square inch.

Size.	Price.
1½ in. ...	1/5 yard.
1½ " ...	1/7 " "
2 " ...	1/9 " "
2½ " ...	2/- " "
2½ " ...	2/3 " "
2½ " ...	2/5 " "

No. 2 Quality.

To stand about
450/500 lbs. per square inch.

Size.	Price.
1½ in. ...	1/9 yard.
1½ " ...	2/- " "
2 " ...	2/6 " "
2½ " ...	2/8 " "
2½ " ...	2/10 " "
2½ " ...	3/- " "



"F.Q." BRAND.

MACHINE WOVEN.

No. 1 Quality.

To stand about
200/250 lbs. per square inch.

Size.	Price.
1½ in. ...	10d. yard.
1½ " ...	11d. " "
2 " ...	1/1 " "
2½ " ...	1/2 " "
2½ " ...	1/4 " "
2½ " ...	1/6 " "

No. 2 Quality.

To stand about
300 lbs. per square inch.

Size.	Price.
1½ in. ...	1/- yard.
1½ " ...	1/1 " "
2 " ...	1/4 " "
2½ " ...	1/5 " "
2½ " ...	1/7 " "
2½ " ...	1/9 " "

Length of Hose
with Patent
Instantaneous Gun-metal
Coupling attached.

FLAT MEASUREMENT OF HOSE.

Internal Diameter ...	1½	1½	2	2½	2½	2¾ inches.
Flat Measurement ...	2	2¾	3¼	3¾	4¼	4½ "

EXTRA FOR

BURNETTISING OR TANNING.

FIRE HOSE TESTED & REPAIRED

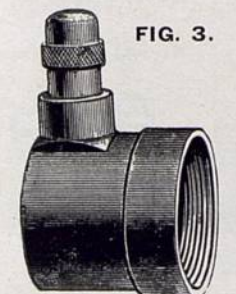
AT A SMALL COST.

Other qualities of Hose quoted for on application, also
for Leather, Rubber, Rubber Lined Canvas, Suction, and
Hydraulic Hose, etc.

BEST GUN-METAL HOSE COUPLINGS, &c. FINEST MATERIALS & WORKMANSHIP.

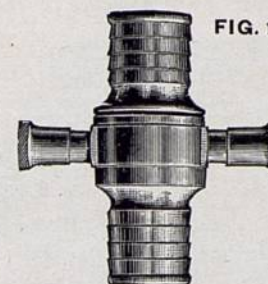
STANDARD PATTERNS.

FIG. 3.



Patent Female
Connector Screw to
Instantaneous.

FIG. 1.



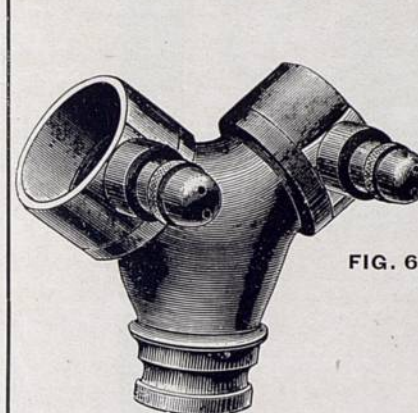
Patent Instantaneous
Gun-metal
Hose Coupling.

FIG. 4.



Patent
Male Connector Screw
to
Instantaneous.

FIG. 2.



Patent Instantaneous
Dividing Breeching Piece.

FIG. 5.



Patent
Male Instantaneous
Converting
Spigot.

Copper and Gun-metal
Instantaneous Branch Pipe and Jet.

PRICES.

			Size.	Price.
Instantaneous Gun-metal Hose Coupling	...	Fig. 1	2½ in.	14/6
Do. Branch Pipe and Jet	...	" 2	2½ "	15/6
Do. Female Connector	...	" 3	2½ "	15/-
Do. Male do.	...	" 4	2½ "	12/6
Do. do. Spigot	...	" 5	2½ "	10/-
Do. Breeching Piece	...	" 6	2½ "	55/-

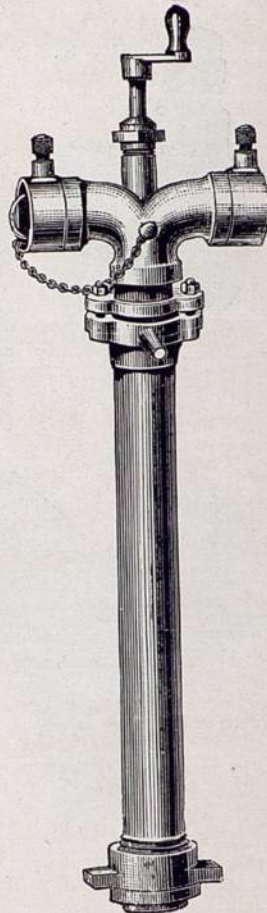
Also Screw Couplings and Branch Pipes of all kinds.
Screw Fittings converted to the Patent Instantaneous
system at a low cost.

PRICES QUOTED
ON
APPLICATION.

COPPER & GUN-METAL STANDPIPES, VALVES, &c.

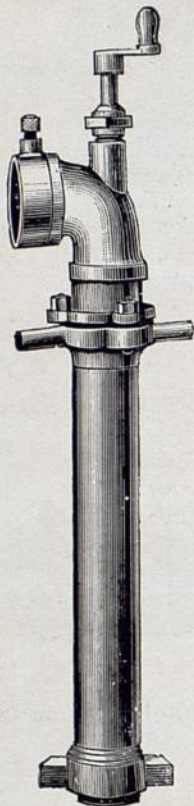
STANDARD PATTERNS.

FIG. 8.



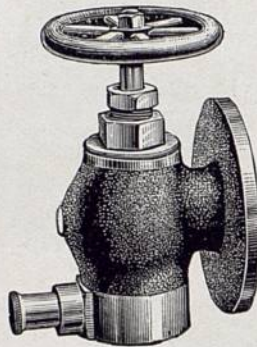
Double Swivel Head,
Patent Instantaneous
Outlet Standpipe
(with Blank Cap and Chain)
for Ball Hydrant.

FIG. 7.



Single Swivel Head,
Patent Instantaneous
Outlet Standpipe
(for Ball Hydrant).

FIG. 9.



GUNMETAL PATENT
Vertical,
Instantaneous Outlet
Landing Valve
(with flange), also
Horizontal, or
Oblique.

PRICES.

	Fig.	Size.	Price.
Single Swivel Head Instantaneous Standpipe for Ball Hydrant	7	2½ in.	60/-
Double do. do. do.	8	2½ in.	80/-
Instantaneous Landing Valve, Vertical, Horizontal or Oblique	9	2½ in.	60/-

Also Screw and other Standpipes for Spindle Hydrants, etc.
Screwed Outlet Landing Valves, and Instantaneous Landing
Valves with Gas-thread Inlets, etc.

Ball Hydrants, Spindle Hydrants, Surface Boxes, Caps and
Chains, Sluice Valves, American Spreaders, Hose Cases
and Boards, Hose Reels, etc., etc.

PRICES
QUOTED ACCORDING
TO
REQUIREMENTS.

SCREW STANDPIPES & VALVES ALTERED TO INSTANTANEOUS TYPE.

WATER HAND FIRE PUMPS (Portable),

CORRIDOR ENGINE.

SELF CONTAINED.

Can be
carried upstairs
by means
of
Front Folding
Lever.

Very effective.

For
Mansions,
Public
Institutions,
Warehouses, etc.



SINGLE
CORRIDOR FIRE ENGINE
(ON WHEELS).

Price Complete, £8 8s.

DOUBLE Do.

Price Complete, £12 12s

Handsomely
Painted
Vermilion and
Black,
and lettered
"FIRE."

MANCHESTER "TOZER" BRIGADE HAND PUMP.

FOR
PUBLIC BUILDINGS,
MANSIONS,
HOSPITALS, etc.

Portable & Powerful.

Price Complete,
Painted as above, £5 10s.

Can also be supplied on
wheels TO ORDER.

DOUBLE POWER
COMPACT.



Also Stirrup Pumps, Leather and Canvas Buckets,
Canvas Shoot Fire Escapes, Smoke Respirators and Goggles,
Smoke Masks, Bucket Tanks, Helmets, Belts, Axes, Life Lines,
Brigade Sundries.

PRICES QUOTED
ACCORDING
TO REQUIREMENTS.

Inspections made, and Advice and Estimates furnished.

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" 6	"Domestic Fire Queens," particulars and prices.
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" 10	"Lion" Hand Extinguishers, particulars and prices.
" 11	"Lion" Tube in Action—picture.
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" "	"Lion" Fire Extinguishing Fluid.
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Inside Back Cover	Testimonials.

REMARKABLE TESTIMONIALS.

From **ROBERT LEVETT, Esq.,**
Rosemount, Tenby.

February 27, 1902.

"You may not be aware that my **Butler** at Canwell Hall, Staffordshire, put out a fire with your 'Fire Queen,' which would otherwise, most likely, have done **£20,000** worth of mischief, as it had fair hold on a large lofty room at base of the Mansion.

Please send on at once, &c., &c.

IMPORTANT TO SHIPOWNERS.

Messrs. **GIBB, BRIGHT & Co., Liverpool,** say—

"On the *Great Britain's* last voyage from Melbourne to London, your Chemical Fire Engine, 'The Fire Queen,' was put to a severe test with the most satisfactory and gratifying results. A fire that threatened serious consequences broke out in the store-room, occasioned by a half-empty cask of rum getting ignited. The chief officer immediately brought one of your Portable Engines to bear upon the fire, which he extinguished with astounding rapidity. We cannot too highly appreciate this little engine as a ready means of arresting fires. Please send us *other six* to put on board the *Great Britain* before she sails on the 12th."

SAVED BY DICK'S 'FIRE QUEEN,' "while the Engines were puffing outside and the Firemen looking on."

Messrs. **CRISP & Co., Holloway, London,** say—

"We have much pleasure in testifying to the great value of your 'Fire Queens.' Last week a fire broke out here, and rapidly spread from the front window to the rear of our premises. A fire station is opposite, and three engines were promptly on the spot. As usual no water was to be obtained for some time. Meanwhile our assistants had shouldered four of your valuable 'Fire Queens,' which we are glad to say we keep always ready charged, and while the Engines were puffing outside, and the firemen looking on, our assistants put out all the fire before the engines had obtained a drop of water."

The following is a copy of a letter received from Messrs. **BARRANCE & FORD**, the large Drapers, &c., of Hastings, Brighton, &c., which speaks for itself.

"31, 32 & 33, ROBERTSON STREET, HASTINGS,

"To The Fire Appliance Co. March 30th, 1905.
83, Upper Thames Street, London, E.C.

"Gentlemen,

"A fire was discovered at 3 a.m. to-day in the bedroom of one of our Assistants, and we are pleased to inform you that by the immediate use of 3 of your 'Lion' Hand Fire Extinguishers it was very quickly subdued.

"Thanks to the 'Lion' Extinguishers, what might have been a serious fire was confined to small proportions, and we shall recommend them to our friends.

We are, Yours faithfully,
BARRANCE & FORD."

"P.S.—You are at liberty to make what use you like of this letter."

Telegraphic Address:

"EXEMPT, LONDON."

"CLANSMAN, MANCHESTER."



A.B.C. CODE USED.

DICK'S **Fire Extinguishers.**

**FIRE HOSE,
COUPLINGS, VALVES, STAND PIPES,
AND ALL
FIRE BRIGADE FITTINGS.**

Chief Office:—

**83, UPPER THAMES STREET,
LONDON.**

Also at Manchester.

Portable Chemical

Fire Appliance

Manufacturers.

All Goods Free on Rails, or alongside Steamer, Glasgow.

**Casks and Cases charged Cost Prices, allowed in full when received
carriage Paid, at our Works, Alma Street, Gallowgate, Glasgow.**