




824 1979

THE SURFACE THAT SURVIVES



COLAS
THE SECRET of PRESERVING
DRIVES and PATHS

COLAS PRODUCTS LTD.
Colas House Buckingham Gate, London SW1

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NINETEENTH CENTURY

The Problem of the Carriage Drive

Until a comparatively short time ago the ordinary gravel drive served its purpose well enough, but now that the use of motor vehicles has become universal, the old, loosely bound surface is totally unfitted for its task.

Nowadays the drive is soon battered into wheel tracks and potholes, which not only require constant attention, but make driving difficult and often unsafe. There is only one remedy: the loose gravel surface must be firmly bound in order to form a level, shock-resisting, waterproof drive. If this is not



TWENTIETH CENTURY



THE STABLES
YORK RACECOURSE
*from Photograph by permission of
York Race Committee*



done, a great deal of trouble and expense will be entailed—increasing yearly—in keeping the surface in good condition.

There are several methods that could be adopted to obtain a more or less satisfactory drive surface, but there is only one that combines simplicity with first-class results. This is the COLAS method. There is the hot bitumen or tar process; but this is hardly suitable for it entails the use of smoky tar boilers and skilled labour, while the finished surface is nearly always black. Moreover, drives and paths cannot be treated by this method unless the weather is fine and the surface perfectly dry. Every car owner has at some time or another had his paint work ruined during hot weather when passing over



tarred roads. Surfaces treated by the hot tar method invariably soften and "bleed" in the sun with disastrous results.

The Solution

COLAS—pure bitumen in fluid form—possesses the fine binding properties of hot bitumen but none of its disadvantages. COLAS provides the Perfect Surface for drives and paths.

Simplicity of Application

COLAS arrives ready to apply. It can be put down at practically any time of the year without skill; a garden watering can, a COLAS spreader or broom and a roller constituting the only necessary apparatus.



HILFORD GARDENS
N^o PETERBOROUGH

*from Photograph by courtesy of
the Right Hon. Lord Lifford*

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WESTONBIRT SCHOOL
TETBURY

from Photograph by the courtesy of the Governors



The work that has been carried out at Highclere Castle, near Newbury, annually since February, 1926, by entirely unskilled labour, is a striking example of the simplicity and efficiency of the COLAS method. The results are most satisfactory, and there is no doubt that COLAS has been instrumental in saving considerable trouble and expense which would otherwise have been necessary in carrying out constant repairs. Full instructions for the application of COLAS are given in our Instructions Booklet.

Durability

A COLAS-treated surface is lasting. The application of COLAS is a proved economy under modern traffic conditions, and the

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HIGHCLERE CASTLE
N^o NEWBURY...
*From Photograph by the courtesy of the
Rt. Hon. Earl of Carnarvon*



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initial outlay is not large, even in cases where the surface has to be entirely reconstructed. COLAS has been extensively used for modernising the various drives and paths at Stowe School, near Buckingham, with much success. Stowe Avenue, the famous approach to the School, was reconstructed throughout with COLAS in 1925, and although much traffic is constantly carried, no further attention was required until June, 1927, when a light coat of COLAS was applied prior to the visit of Her Majesty the Queen to the School. Many factory roads, carrying lorries with axle loads of twenty-five to thirty tons, have been successfully treated with COLAS. A COLAS surface is a proved economy on account of its durability.

MOUNT BRAISWICK
COLCHESTER...
from Photograph by courtesy of Mrs. Biddulph



Colour of finished Surface

After the COLAS has been applied the dressing is immediately covered with stone chippings, and this topping directly determines the colour of the finished surface. The pleasant brownish colour of gravel, the grey of limestone, the blue-grey of granite—just the colour that takes the fancy—can be obtained without difficulty. COLAS modernises the drive without spoiling it.

The illustration on Page Four shows one of the COLAS paths at Lilford, one of the most beautiful estates in the country. It is visited yearly by thousands of people, so that it is necessary to pay the closest attention to the surface of the drives and paths.



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The ZOO, NORTH ENTRANCE
REGENT'S PARK



COLAS has been exclusively used for this work, and it has proved satisfactory in every way. It was, of course, of the utmost importance that both the drives and paths should harmonise perfectly with the surroundings, but before COLAS was used it was exceedingly difficult to spare the estate labour for carrying out the constant repairs that were necessary. Now that COLAS has been applied however, these men are free to attend to more pressing work on other parts of the estate, while the drives and paths retain their clean, gravelly appearance, although they are constantly under traffic.

The drives and paths at Lilford, which were treated with COLAS early in 1928, were totally unaffected by the hard frosts experienced during February and March, 1929.



A Safe Surface

A COLAS surface is perfectly safe, both for horse and motor traffic. Large quantities of COLAS have been used by the Jockey Club at Newmarket with excellent results. The roads round the stables at the York Race Course have also been treated with COLAS, while further work has been done at Newbury and Folkestone. Where the safety of the horse is of importance, COLAS should always be used. The famous race track at Linas-Montlhery, near Paris, pronounced the safest track in Europe by many famous motorists, was reconstructed with COLAS in 1925.

An illustration elsewhere shows the great Airport at St. Hubert, Quebec, Canada, where



The 'SHORTER' WEATHERPROOF
HARD TENNIS COURT

ALNWICK CASTLE.

*From Photograph by the courtesy of
His Grace the Duke of Northumberland*



the "take off" has been built with COLAS. All materials used in connection with every department of flying must be of the finest quality, and that is why COLAS is used extensively by the Air Ministry. COLAS, in providing a smooth, safe surface, plays its part in making "taking off" and landing safer.

No Softening in Hot Weather

A COLAS surface does not soften or "bleed" in the hottest weather.

Many thousands of square yards of paths at the Zoological Gardens, Regent's Park, have been treated with COLAS, and even on the hottest day there is no sign of "bleeding" or softening.

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STOWE AVENUE BUCKINGHAM

*From Photograph by the courtesy
of the Bursar, Stowe School*



The work carried out was perfectly straightforward. It was not necessary to close any of these paths while the work was in progress, for immediately the fine stone chippings have been spread the "Colassed" surface is ready for use.

COLAS has been used to re-surface the whole of the North Bank Gardens, and the pathway leading up to the Monkey Hill.

Non-Poisonous

Water washed from a COLAS surface cannot harm the most delicate fish or vegetable life. It is, therefore, necessary to weed the surface thoroughly before applying COLAS, using a weed killer whenever possible.



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FAIRFIELD HOUSE
BRADFORD ST AVON
*from Photograph by courtesy of
H. Secker Walker Esq.*



Waterproof

Frost and rain have no effect upon a COLAS surface, which is quite waterproof. The following letter refers to the illustration on Page Seven. It speaks for itself :—

"You may be interested to hear what a wonderful success the COLAS is on my drive. The drive slopes down from the road to the house, and is overhung with big trees, and was always soft and wet, and my car being large and heavy, ploughed it up every time she went over it. I spent over twenty pounds on the drive last year, and this year the builder said the only thing to do was to have it all up again and make a new foundation. However, I thought I

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would try COLAS first, and now the drive is perfectly hard and firm, and in spite of these late heavy rains the car makes no impression on it—and this only at the cost of two drums of COLAS!"

The COLAS was applied in 1928. The severe frosts during February and March, 1929, had no effect upon the surface, and in July, 1930, it was reported to be still in perfect condition.

All-Weather Tennis Courts

The "Shorter" Weatherproof Court, in the construction of which COLAS is embodied, provides a perfect surface with an elimination of all upkeep costs. There is an increasing demand for a hard court that requires no



LEINSTER LAWN
DUBLIN

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attention once laid. This court fulfils this demand—it does more, the surface is porous, resilient, gives a true bound for the ball, and does not necessitate watering or rolling. It is also entirely unaffected by snow or hard frost, and the surface is quite free from dust. Many first-class players have expressed the opinion that the "Shorter" Weatherproof Tennis Court is the ideal surface for all-the-year-round play.

(Further details will gladly be sent on request.)

Colas Service

The advice and assistance of our Representatives are freely available in any part of the country and arrangements can also be made

CARTERS SEED OFFICES
RAYNES PARK



SALISBURY CATHEDRAL



for the skilled supervision of COLAS work free of charge.

Demonstrations

An illustration elsewhere shows one of our fleet of Service Vans which are used by our foremen. The space at the rear of the Van is utilised for carrying a quantity of COLAS and stone chippings, a pouring can and spreader for demonstrating the application of COLAS. Free demonstrations will gladly be given on small sections of drives and paths on request.

Estimates

If desired we are prepared to submit free estimates for re-surfacing drives and paths

THE TOTALISATOR NEWMARKET RACECOURSE

*from Photograph by courtesy of the
Jockey Club*



by contract. This means that we supply all labour and materials, including a suitable roller. A path or drive in fair or good condition can be re-surfaced with COLAS for approximately 1s. 6d. per square yard, the price varying with the area, cost of local stone, condition of existing surface, etc.

In cases where the work is quite straightforward and labour is available on the estate, it is more economical for the customer to do the work himself under our free supervision. We gladly supply full particulars regarding the necessary stone, roller, etc., and when all materials are on site, a skilled COLAS foreman is sent down to show the men how to begin and carry on the work.



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HAREWOOD HOUSE
LEEDS

*from Photograph by courtesy of the Rt Hon
Earl of Harewood*



HOW COLAS IS SUPPLIED

Rail Delivery

Our standard drum, which is free and non-returnable, contains thirty gallons of COLAS, and is made of heavy-gauge steel. Quotations include free delivery to any railway station in Great Britain, while special reduced prices can be obtained for the supply of truckloads of thirty-five drums and upwards.

Road Delivery

In many districts COLAS is now available at railway goods stations in forty-two-gallon returnable drums. Prices will gladly be sent, both for the delivery of COLAS to site (including the collection and return of the empty drums to the depot) and also for

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COLAS on demand at our depots for delivery in customers' own lorries.

Hand-Operated Spraying Machines

These machines, which are specially designed for use with COLAS, can be purchased or let out on hire. Efficient and economical application is ensured by using a hand sprayer, which puts down the COLAS under pressure.

Colas Pressure Tank

Delivery Service

Many miles of carriage drives have been successfully and economically treated by COLAS Pressure Tank. If advantage is taken of free application by pressure tank, time otherwise spent on the handling of COLAS drums and cartage charges on



ST. HUBERT AIRPORT
QUEBEC



THE BISHOP'S PALACE
RIPON

*from Photograph by courtesy of the Rt. Rev.
the Lord Bishop*



haulage from the station, are at once eliminated. The tank is ordered and arrives ready for work when required.

Our tanks contain approximately 1,000 gallons of COLAS, and when loaded, weigh about ten tons. It is, therefore, necessary to make sure that the drive to be treated can stand this weight. Advice regarding the suitability of the drive for tank spraying will gladly be given by our Representatives in any part of the country without charge or obligation. The work is carried out rapidly—1,000 gallons can be sprayed on the drive in one hour—and the COLAS is applied evenly. Lengthy side flexes are provided for supplying a little extra COLAS where necessary, and the rate of application can be varied at will. It is not always necessary to have a long drive to



COLAS PRESSURE TANK

From Photograph by the courtesy of Col. H.E. Hambro,
COLDHAM HALL, Suffolk



buy COLAS delivered-and-applied ; the minimum quantity specified depends upon the locality of the work.

We deliver and apply COLAS by pressure tank at an inclusive price per gallon, which is never greater, and often considerably less, than COLAS delivered in drums to the station. A skilled foreman's services are also supplied free of charge to ensure a good result. An illustration elsewhere shows a COLAS Pressure Tank in operation. For the work to be carried out without unnecessary delays, it is preferable to get together a gang of six to eight men to spread the fine stone on the COLAS as soon as it is sprayed on to the drive. There is no better or cheaper way of preserving drives than by the COLAS Pressure Tank method.

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Prices and leaflet giving fuller details will gladly be sent on request.

COLAS

A World Market

COLAS is known all over the world. COLAS roads are to be found throughout the British Empire, Europe, Scandinavia, America, Africa and the Far East. COLAS is used in the heat of the Tropics and in the frigid climate of Northern Scandinavia with equally satisfactory results—extremes of climate have no effect upon COLAS-treated surfaces. The great durability of a COLAS road has been amply proved. Many roads carrying heavy tank and heavy artillery traffic in Aldershot have been re-surfaced



SERVICE VAN

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COLAS IN CEYLON



throughout with COLAS and maintained at the minimum of cost.

The COLAS Race Track at Linas-Montlhéry, near Paris, upon which many records under appalling weather conditions have already been achieved, testifies to the perfection of a COLAS road from the motorists' point of view—a safe, non-skid surface in any weather. A COLAS surface is perfectly safe for horses. Its extensive use in the hunting counties and on the premises of several of the principal racing stables is proof of this. With COLAS the minimum amount of binder necessary is obtained and the top surface of fine gravel or stone chippings affords plenty of grip for both horse and motor traffic in all weathers. Any further particulars regarding COLAS will gladly be sent on request.

PROMINENT USERS OF



H.R.H. Duke of Connaught,
His Grace The Duke of Devonshire,
His Grace The Duke of Hamilton,
His Grace The Duke of Marlborough,
His Grace The Duke of Portland,
His Grace The Duke of Montrose,
His Grace The Duke of Northumberland,
The Most Hon. The Marquess of Camden,
The Most Hon. The Marquess of Normandy,
The Most Hon. The Marquess of Salisbury,
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The Most Hon. The Marquess of Bute,
The Most Hon. The Marquess of Blandford,
The Most Hon. The Marquess of Ormonde,
The Most Hon. The Marquess of Chalmersley,
The Rt. Hon. The Earl of Carnarvon,
The Rt. Hon. The Earl of Duce,
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The late The Rt. Hon. Earl of Lonsdale,
The Rt. Hon. The Earl of Lichfield,
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And Many Others



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