

ARE you an occasional sufferer from the burning lithing sensations or have you mich in the chronic form? In any case, you will go n untold relief from Zam-Buk. This great herbal baim is most remarkable for stopping pain and hæmorrhage, reducing sach ng and allaying milanun da n. Don't suffer another day without trying Zam-Bult the remedy proved successful in thousands of cases.

Mr. A. E. Crow, rait vayworker of 5, Queen's Street, Sleaford, England, save,-"Travelling about in all we there started my piles They grade cly got worse until life was a 'ni ery Night after night I was in ikony with the itching shooting pairs Many a time I couldn't bear to sit

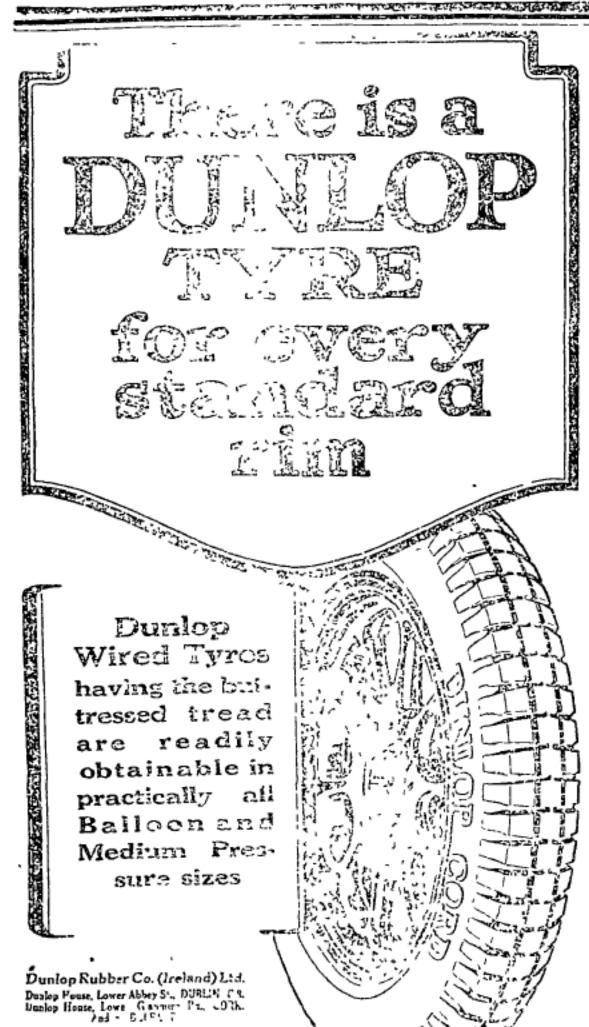
"I tried all sorts of remed es but none did me the slightest good-in fact, some actually made me worse. He is altreatment bro is in olast ag relies and I had strong in alone as Lest I could for these , car "l'est tar, Map roud? r ! I on yed the best cop I had a d fergeres 7 m Buk proved sin by invelors in outling the acful I'' no pan I souro cz m is and soon the piles, which ind

troubled me for years, year a-

pletch gone. I feel a new man

since Zim Buk cared me





THE EVOLUTION OF OIL

HOW THE OILCAN RULES THE GREATEST ENGINE.

By J. F. St. B. Barclay.

Nature's handswork, which is ever before us, is a constant source of wondet and admiration to all From the humble diligence of the common spider to the roaring might of the greatest vaterfall the works of Nature are a living triumph of perfect craftsmanship and harmonious execution. And vet, man being one of Nature's children, his works, though puny in comparison, are no less deserving of praise and admiration. E-pecially to-day is us true, when the age in which we

live is a chemical and mechanical one. But how many people as they travel swittly by land sea and air through the might of powerful engines, as they wetch great tree trunks thrust into one end of a machine emerge at the other in a smooth sheet of paper as they do then manufacturing, calulating and almost their thinking machinery-how many do not view t all as a matter of course, and realise be might of man's achievement.

Consider the case of a small drop of cil. If a vegetable oil, it is generaly the object of ailing infants' violent abuse: if a nuncial oil the object of greater abuse from perspring motorists and their valets. And yet without the aid of this lugubilious greasy substance the mighty engines which corry es by land, sea and an which make food for us clothing and all the necessities and luxuries of life-all would be as powerless as a grant in

The purpose of oil is to keep rolling or sliding surfaces apart. Under microscope the finest bearing surface in the best-made machine will seem a held of hills and valleys. And should two such surfaces be required to move Dublin upon each other when dry, the hills will be worn down, heat will be gencrated, the metal will wear, expand, seize, the motion stop and the bearings be umed But if some lubricant, such as water, oil, graphite or soapstone be placed between the moving surfaces, n will fill up the "valleys" and keep wear, and a too-thick one will retaid the motion, acting as a brake.

Side by side, therefore, with the development of machinery has grown up the evolution of lubrication. The carliest machines used the earliest lubricants, which were oils and fats ertracted from animal and vegetable matter The most common lubicant was tallow, which was melted in a teanot set on a steam chest and occasionally poured into the chest. Hard tallow was pulsed in the heavier bearings and mixed with red lead to lubricare the gears. Sperm oil, from the sperm-whale was another lubricant, chiefly used in light machinery, as nere castor oil olive and laid oil. The advantages of the last three were that they were not only useful as lubricant but also as illuminants-to say nothing of their culmary use in fiving fish, and, where the first is concerned, for curing disorders of the stomach. The method of applying these early

oils was distinctly crude, for the engineer simply pouted some in when he felt like it, or when the engine got hot and began to protest When progress was made, and cup offers or bath bernings were introduced, then the short-comings of these organic oils as lubricants yere manifest. For all animal and vegetable oils are subject to oxidisation, and when this took place fatty acids and fumes were produced, which attacked the metal retaided the motion, and stopped up the of passages, thus provoking overheat-And so in the first few veers of the

nmeteenth century, knowledge of lutreants had reached its limit, and although refining processes were miproved from time to time, no real progress was made until the year 1880 In this year came the introduction of American mineral oils. There were, of course, early difficulties. One was that bearings formerly lubricated with vegetable and animal oils, absorbed a certain smount of fatty acid, and on' application of mineral ods the combin iton produced clogging gums and varmshes But this difficulty was s hed by gradually mixing the oils, so that the gums were absorbed by degrees. There was another difficulty, too-of a psychological nature. German engineers on the Rhine just tasted one piece of fish fried with American oil—and then hurried back to laid lubricants Similarly Italian mill operators did not relish then salads dressed with the new oil, not did the ones from Bombay. Gridually, however these people were induced to forceo then doubtful delicacies, and the

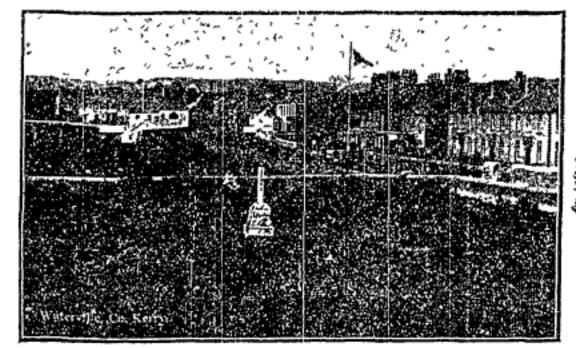
It is, of course, due to the chemists that mineral oils ever came into use, and have now reached an advanced know that on keep not only a hypothstage of perfection. But it took many chouse but that you have two diametveries of aiduous research before that cis locked up in your garret, and that
Woulde nature of American State of Course of the State of Course of Course of the State of Course of Cours stage was reached. One of the great- you go out to walk with them overs controlling confronting the chemist Sunday you heartless old hentagon". Iowa and practising as a lawyer at thinks knee, he dreams knee, he less sweet Most of these herdsche vas how to climinate carbon residue in the oil This is now effected by the Oh' there's had language from a fel-O'Sullivan, of Tiren, Kilmorna; Mis listens to stories about men who out care and thought distillation of the oil under a high va-low that wants to pass for a juntleman. Patk Liangan, of Bedford, Listowel, have been crippled for life by an in there is a good cause for the head cum Here the clude oil is subjected Way the divil fly away with you, you ote Mr. Richard Woulie, of De jury to the knee, every night his ache You may need specially and part of your per

mmeral oil was established ence and

Contamination of the lubricant has | also pro ed a stumbing brock. When oils are run on a bearing, and then ratio," iun through the engine and out, there is no contamination to speak of, but This is generally due to water leaking on of Beelzebub. into the oling system, by which a sticks emulsion is formed. And mei- minded old polygon-to the deuce . dentally the formation of this emul- pitch you, you blustering intersection sion proves the error of the old saying of a fifthy superficies? that oil and water will not mix. When "You sawy tiaker's apprentice, they work together in a circulating you don't cease your jaw I'll--system, they not only mix but some. But here she gasped for breath, untimes will never separate. Containing- able to hawk up any more words, for tion in petrol engines is also formed by the last volley of O'Connell had nearly leakage of petrol into the oiling san knocked the wind out of her. tem. The perfect lubrication of petrol "While I have a tongue I'll abuse engines is still a thing of the future you, you most mimitable periphery. and every motor-car to-day in spite Look at her, boxs! there she stands-a of its highly complicated system of oil- convicted perpendicular in petticonts! oil, fuel water and dut that would not be used on the bearings of the most down to the extremities of her corollar is also attributed to the heavy seas forces and by Edward the Con-

is not far off when we will be forced fly away, you porter-sy uping similitude to find a substitute. The over watch- of the bisection of a voitex." ful chemist is already working hard to and a substitute. It may be that he language, Mr. Mornarty was silenced. will find it in shale deposits of in coal Catching up a saucepan, she was ann- Dr. ison London in the petition of with the stick, and with a dramatic tar -quite lifely in the most unlikely ing at O Chenell's head, when he very fright agent the Crown to recover gesture breaks it across his knee substance One thing is certain, - prudently made a tunely retreat. when civilisation looks to the chemist "You have well the wager, O'Con- Lepme v he died in one in 1793. The then orders the patient to tall in in its hom of need it will not be dis- nell, here' your bet" said the gentle- amount at stake is £45.000 with 129 and march alongside, which he

WATERVILLE, CO. KERRY.



Where an inspection will shortly be made by the Irish Sailors and would be marking themsel, as and Soldiers' Land and Housing Trust with the view to electing houses for their families for bombs if they con-British ex-Servicemen

BORN NEAR BALLY-

BUNION

NINETT YEARS AGO.

IN U.S.A.

OLD TIMES RECALLED.

NOTABLE PERFORMANCE OF

RACEHORSE

ON KEPRY STRAND.

Mr. Richard Woulfe, boin near

Ballybunion about nincty years ago,

her late husband. She is a daughter

lasting reputation as owner of

Dimby was bied by Villiam the

memory extended to the days of

THE LEPINE CLAIMS CASE.

O'CONNELL AND BIDDY MORIARTY.

(From 'The Freeman").

Shortly after Daniel O'Connell was DEATH OF MR. RICHARD WOULFE cilled to the Bar he laid a wager that he would silence a celebrated Dublin termagant, named Biddy Mornarty.

The party adjourned to the huxler's stall, and there was the owner herself superintending the sale of her small wates-a few loungers and ragged idlers were hanging around her stillfor Bald, was 'a character," and, in her way, yas one of the sights of

died recently near Streator, Illinois, O'Connell was very confident of suc- where he was a very large narmer for overcoming her, and, with all the cighty years ago amongst a colony nell commenced the attack .-

"What', the price of the walkingsticl., Mrs. What s-your-Name "

"Morrarty, su, is my name, and a Treateragh, and on her mother's side good one it is, and what have you to she is a g and-daughter of Maurice say agen it and one-and-sixpence's the Woulfe, who emigrated from like of the stick. Troth, it's chape as Knoel anasig after he had made a One and-stypence for a walking- Digiby, a facehouse whose name is

stick, whom why you are no better still fresh in the traditions of the than an imposter, to ask eighteen- once tamors Ballyeigh raccourse. pence for what cost you twopence " "I'v opened your grandmother," re- Fourth, King of England In the plied Miss Biddy, do you mane to say possession of Mearice Woulfe, his that it's chating the people I am- most notable performance was the unposter, indeed "

erous Jackanapes?

badger, or by this and that," cried in the fortics of last century But it machine that hourly will produce History here are back from Masta

quicker por you came " dius -anger will only withkle your on a rececourse. It was 'tom the similar letters to 1,000 person, in on his haunches

hide, you hastely, common scrub; and affectionately treasured in Kerry and simultaneously by electric power sat. I'd no to spoil my fists upon your Limerick

your Kerry brogue ""

Pasy now-easy now," cried O'Con- Texas with ambitious schemes to nell, with imperturbable good humour, improve the bried of horses there; "don't choke yourself with fine lang- but the enterprise ended in failure uage, you old whiskey-drinking paral- and los The colony of relatives also lelogram."

included Batt Maher and Richard "What's that you call me, you mut- Woulfe, from Treneragh, and five derm' villam " roared Mrs. Morarty, families of the Woulfes from Tanasting with fury. vella. They also have numerous

I call you," answered O'Connell and wealthy descendants in Illino's 'a parallelogram and a Dublin judge and lowe, the majority being still A Habit Of Thought and pur, will say that it is no he to farmers, who held to the land unlike of thought, mind it is a good trombones. I am all for ming

that an honest noman like me should crowded into towns Amonest the are the victims of incorrect habits of and if the distinbung thought are he be called a parrybellygrum, to her face I'm none of your partybellygrums you rascally gallows-bird, you cowardo sucaking, plate-laking bliggard!" "Oh, not you, indeed " retorted O'Connell, why, I suppose you'll

"It's a he for you, you b-y tobber, I never had such a thing in my house, you swindling thief "

"Why, sure all your neighbours! cars of arduous research before that ers locked up in your garret, and that work with these neadache tanger as topoled. One of the great- you go out to walk with them over the work of Chinton County, pictures of an inflamed knee. He they were acid drops or some ham

'Oh, hear that, ye saints in glory! to a fairly low degree of heat until it maches from Munster, and make celery- Witt. is amongst the best known darling wife sheds tears which drop only you are too vain of your per took from hurnt or decomposed space of sour letter limbs you meals.

"Ah, you can't deny the charge, you miserable submultiple of a duplicate members of the colony have come to one dash knee after another.

'Go muse your mouth in the Liffey, when they are stored in the lubricate you masty tickle-pitcher, after all the ing system and used over and over bad words you speak it ought to be again, then contamination results filther than your face, you duty chick-

"Ruse your mouth, you wicked-

my, is hibricated with a mixture or There's contamination in her circumlanes Ah' you're found out you re- is also attributed to the heavy seas fessor and has had miraculous po- miserable, then try "Antigesta to the lane of the extremation of the contraction of the extremation of the contraction of the contraction of the contraction of the contraction of the extremation of the contraction of the contracti With the present tremendous use ctilineal antecedent and equiangular lunning. of petroleum for tuel and oils the day old hag! 'Tis with you the divil will

Overwhelmed with this torrent of

man who proposed the contest,

OUR AMERICAN LETTER.

By William Parkinson.

New York, Nov. 25. All gunmen charged with killing re sure of acquittal in Chicago. In a case just disposed of the july, obtained after a month devoted to the chamination, of more than 1,000 venicemen, returned a verdict of "not guilty" in the case of a gangster who killed a member of a rival gang, although eight witnesses testined the shooting During the tiral the witnesses were notified they would be killed if they testified for the State. One witness told the man who wained him that he was afraid of no gang. His home was wiecked by a bomb. The jurous admitted they icted the gangster.

The city of Bunalo, N.Y., holds the dubious honor of having yielded up the largest alcohol distilling plant ever seized in the United State, Its value is set at 2,500,000 dollars. Apparently the plant had been in operation for a long time. Five vata held 60,000 gallons of fermented molasses, from which alcohol valued at 120,000 dollars could be made. According to the prohibition agents. who made the seizure, the output of the plant was about 5,000 gallons a the most important in the histor, of day, and they estimated the net profits on a week's operation, at 100,000 | "those riding on a regular an trandollars. An elaborate signal system protected the plant, and when the agents enter'd the operatives had licensed aircraft in chilge

spend ten dollars a year on perfume time, issuing tickets, pro iding and cosmetics, but Mrs. Tillie Leo- 5,000 dollars' benefits in case of a pold, according to her alimony pleas cident, for five dollars what she needs. This, she swears, will enable her to maintain her usual [expenditures, such as 6,000 for furs, diamond, the property of the Duke or of Batt Maher, who emigrated from 2,000 for hats, 2,500 for shoes, 1,800 Westminster, has found a purchaser 131 stockings, 1,500 for gloves and here for 480,000 dollars The stone handkerchiefs, and so on, down the weight over seventy-eight chart line of what a woman needs. Giving and has a romantic history attached evidence, Mis Leopold admitted she to it. received a 100 000 dollar trust fund. The British C1 sterling has from her husband thirty-four days before she brought the separation action. As a daughter of poor parents now 47.34 par velue being 46 \$6 Mis. Leopold appears to be doing

You can get a mechanical subvirtuing of a challenge at the then stitute for almost every office worker "Ay, imposter and it's that I call goodly sum of one hundred pounds in your employ, from efficiency cyyou to your teeth," rejoined O'Connell. saide. The match was decided at pert to stenographer, exhibits at the "Come, cut your stick, you cantank- Ballyeigh in or about 1840 The de- National Business Show at Chicago on October 10, when a cabilation feated house was Roller, owned by a reveal. One of the startling inpo- was made, aggregated 27 213,021,900 "Keep a civil tongue in your head, Mr. Gunn, a connection of the vations is the mechanical efficiency dollars, the largest amount ever retoo old diagonal," cited O'Connell Roches of Athea Dimby became the system, which, with a human helper, posted to the Convoller of the sur of the Ramble, also owned by can administer production for one, Currency. "Stop your jaw, you pug-nosed Maurice Woalfe, and a good winner or forty, factories. Here is also a Mes Monarty, 'I'll make you go was, penhaps, the best of Demby's 4,000 letters which appear to have with two grant black news. One progeny that met a fatal nasadren- been typed and signed by hand. An- weighs 1,200 pounds and mid-un s "Don't be in a passion, my old 14 - ture and died vithout being tested other machine, hourly, will produce 10 ft. 8 in when he stands dam of May Morning. Victory and which personal remarks have been The reading on the briograph of Tally-Ho, and was bied by 'Johnny inscited. This machine works like a Capt H. C Giav on US him; who "By the hokey, if you say another Connell, of Rathmorrell," whose player plane, and one operator can lost his life in an attempt to rake word of impudence, I'll tan your duty memory as a sportsman is still so keep twelve typewriters going an altitude record shows that he

The announcement that Ruth highest point evil teached by man-The colony of relatives who emi- Elder has signed a 200,000 dollar the War Department announces "When boys, what a passion old grated at or about the same time as vaudeville contract is important for The US Shipp of Board reports Buldy is in I protest, as I'm a gentle- deceased, included Maurice Woulfe, the double reason that it reveals the that nearly three roombs of the owner of Dirio) Mannice's descend- cash value (excluding news rights) country's sea trade was critied or "Justleman" putleman" the likes of ants are numerous and wealthy in of having been the first woman to fly alien vessels in 1926. The freight you a juntleman' Wisha, by got, that Illinois. There his son. Richard, from America to the Azores, and that bill paid to foreign lines amounted to bangs Banagher Why you potato- once kept a high-class stud of Not- it enables those who didn't make 180,000 000 dollars A total of faced pappins neezer when did a Mada- man horses. They were a French such a flight to feel cheerfully 5,761 vessels were used while only gased monkey like you pick enough breed of strong, clean and active superior about persons who "com- 1,268 flew the American flag, the of common Christian datoncy to hide hoises, famous for all round utility. mercratize stunt flying." Yet "com- Board's first foreign comme Later the family moved the stud to mercialization" is a complex analysis shows.

phenomenon, as everything, including religion, is commercialized in this country at present. It is recalled that when an attempt was br. ing made to discusses Ruth side from the flight her response was "Well, I've lived a while without amounting to a plurged nickel want to do comething that will make neople notice me. If I den't, it won't make any difference anyra: "Surely this showed a desire for notoricis

Announcing that there are nor 126 prisoners serving life terms in Sing Sing, Warden Lawes revealed that in a little more than the sixteen months the Baumes law have beer in effect forty-nine prisoncia, on fourth convictions have entered the institution to serie life t rus Thlife prisoners are classified into three groups. There are twenty-four who were spared from the electric chan; eighteen who were sentenced as professional criminals, and st whose sentences were fo twenty years to life. Out of 1,600 inmate, in Sing Sing, the "lites" now Bay ber nearly 8 per cent, of the pri-on's

population. Nearly thirty of the large 1 to and accident insurance companies of the country have agreed to reve police, protecting ampliane priors ... 1 po. sengers, a move recaided . one c' aviation The policies will come port line on a regular schedule be tween established air ports in licensed pilots." One company has Some women might be satisfied to been writing such insurance for some

in the Supreme Court here, must not Up to date the War Department be cramped within 2,500 dollars has awarded 1,256,555 Victory yearly for these items. Mrs. Leo- riedals for service in the World War where he was a very large farmer pold is 31, and to support herself in the total number of medals is the difference of medals is the difference of the continuous cannot be said by the style to which she became acanxiew of an aident experimentalist, of his it stives, who prespected on togeth 63 was lausting his wealth compared to the results of his it stives, who prespected on togeth 63 was lausting his wealth compared to the compa waited to jut it into practice. He the lead in Illinois and low i. His on her the lead in Illinois and low i. His on her the lead in Illinois and low i. His on her the tent to the lead in Illinois and low i. His on her that the lead in Illinois and low in the lead in Il resolved to open the attack. At this father, Richard Woulfe, and his loungers about the place, formed an the same type, and settled at La and the same type, and t Thus it will be seen that the lubinant authence quite sufficient to ionse Mis Salle, Illinois Decased and his constitution on the grounds of macro Cuban pacification of the must be of the right consistency, for a too-thin laborant will not prevent due exhibition of her powers. O'Con-him, celebrated the golden jubilee of the powers that 2 000 service, 16,419. Mexican Borter straight consistency and prevent due exhibition of her powers. O'Con-him, celebrated the golden jubilee of weakly and his consistency for the right consistency, for due exhibition of her powers. O'Con-him, celebrated the golden jubilee of weakly and his consistency for the right con BREVITIES -The famous Nas-24

reached its highest point since 1914. having passed its per value. It is A 33,000-ton amplime carrier. costing 40 000,000 dollars has been added to the US Navy It his ac-

corimodation for 53 places and a

capable of crossing the Viantic 1

four days, it's butleers -ut The resources in National Bent

reached a height of 12 700 feet-the

By a LONDON PHYSICIAN.

"Oh, tare-an-ouns! oh holy Biddy their land to the Germans and thought. I find that many patients down to the rations men il level. best known members of the family thought. A man hurts his knee; it removed by the seventh this of a was Judge Patrick B. Wealte, who is very painful to walk on, he rests seventh child playing on it bas died at Chaton, Iowa, not yay long and has another try at the end of a soon, it is the doctor's duty to the ago. He had been a member of the week and again it is very painful, the remedy. I, dear render, would lower State Senate. He was first By this time he is frightened and never allow ourselves to become the cousin of the late Mi. Bett Maher, of scarcely date walk on the knee for victims of a mistaken idea, with one Theneragh, of the late Mr. "Mike" fear that that wietched pain will impatient gesture we should cast deny that you leep a hypothenesse in Nolan, or Moyvane, and of the late return. Another week goes by and the thought from us by a simple mo-Mr. Maurice Woulfe, of Kiltean. The he walks with a stick; he manages | mentary effort of our majestic will. Judge's son, Mr John Weulte, is a to get back to the office, and every- Too Many Drugs. prominent lawyer at Chinton, Lowa, one he sees remarks on the stick and There is too much drug tiking hi He was elected as a member of the insists on a minute account of the you ladies, you think that all you Iowa State Legislatu e while he was trouble. By the time the poor man have to do when you have a head i student of the University of Ber- has repeated the story for the hund- ache is to take a counter of tablets Boise, Idaho H's neare i relatives thews the cud over his knee, he powders and tablets are poisorous in Karry would probably raclude Mr. reads medical books on knees; he and they ought not to be taken with particles.

Witt. is amongst the best known dailing wife sheds tears which drop only you are too vain of your particles.

Witt. is amongst the best known dailing wife sheds tears which drop only you are too vain of your particles. everyone else wants to tell him about of you go to bed too late and ret Occasionally some American born their own bad knees: life is simply your brains of their just amount of

Lastowel to look up then parents' old Mind Over Matter. homes, or then relatives, and they By this time he has acquired a your headaches are the result of the have appreciated the guidence of the labit of thought. In very truth accumulation of porsons in toll late M: Geraid McElligott, whose there is nothing wrong with the body which ought to be chiminated knee . it was cured long ago, but the thought remains The doctor says in a quiet voice that the knee is all but that does not converge the TO EAT IS TO SUFFER but that does not convince the patient; his thought remains. takes something dramatic to shake

Tralee, Monday.

The se Kerrymore, which discharged a cruso of coals for Messis. The pay her a visit and all decides to shake him out of his mistaken idea. He bears of a witch who is the seventh from indigestion. No wonder they have tound charged a cruso of coals for Messis. He decides to pay her a visit and all decides to relief by taking "Antigesta". For charged a cargo of coals for Messis. marvellous powers. He decides to such optimism when they have been McCowen's, Ltd. Tralee, at Fenit knee with a cat skin, taken from a "Antigesta" brings hope to those or Saturday even ng, had to remain kuten that we skin, taken from a "Antigesta" brings hope to these or Saturday evening, had to remain kitten that was the seventh kitten who felt hopeless, and with the there for shelter owing to the heavy of a seventh last the seventh kitten who felt hopeless, and with the there for shelter owing to the heavy of a seventh kitten, and, believe me nightmare of suffering barished the yeas running. The ss Causeway, or believe me not, the man walks world seems a fine place indeed with a cargo of coals for the same home as right as a trivet. Or he If you cread meal-time; a men, which was due at Fenit yester- devolved as a trivet. Or he wers for centuries.

Faith Healing. Sometimes a brass band helps; remedy your trouble the healer comes into the town to Sold by chemists in time at 2/3 Judgment was reserved on Friday the tune of "See the Conquering 3/6, and 6/6. Get a in to do by Mr Justice Romer in the Chancery Hero Come"; he rushes at the man possession of the fortune left by Maria and throws it over the hedge; he promptly does, without any race of

I think brass bands ought to be at the command of every dictor lit is a mustake toi medical i en to say that brass bands are not sent fic, that there were no brassbands in the pathological laboratories w the hospital, and that look on Ma

sleep. You all drink too much the which has a constipating effect, and

Yet you must eat to live What a

One small tin is quite sufficient to show how easily "Antigesta can

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