THE ORIGIN OF THE MODERN BOMB

FAME AND GLORY OF OLD-TIME BRITISH GRENADIERS.

How the Inventive Genius of the Famous Black Watch Produced "Tickler's Artillery."

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grenade and the bomb remained part of military theory, but the extent of practical knowledge with regard to them can be realized from the fact Health and Efficiency. that when the war broke out the

British army possessed a grand total of 1,000 bombs.

Neuve Chapelle

Neuve Chapelle. Its result is that the British Gov. erament is producing over 10,000,000 bombs a year for itself and for the Allies. to life and good health. Of recent years more attention has been paid to but far too many people regard fresh air as a means for the cure of such

and all the other chaps near my men got to calling the bombs 'Ticklers' and us 'Tickler's Artillery.' We didn't mind. It was father an honor. And the name has clung to us. "But after we settled down to trench warfare the jam tin went out, of course. Now we've got the Mills a perfect instrument. The Mills bomb (officially Mills grenade, No, 6) is a good handful, It is made of cast iron and looks like a large chogo late goose egg. The little rectanges into which it is divided break of when the bomb explodes and fly every way, blinding, wounding and even OCEAN LINER SUBMARINE MENACE IS BEING Precautions Taken to Ensure the Safety of Vessels Crossing

way, blinding, wounding and killing those whom they hit."

so thoroughly standardized that even Coal Should be Secured Now to Las

the practised eye of sea sharps can-not detect the slightest difference in them, not even in the slant of their

A PROPHECY FULFILLED. Story of a Mummy Which Might Affect the Superstitious

swept the waters with her search-lights for several minutes. Evidently it was a false glarm, for quickly the sentechights could their play upon the waters and a reassuring message came to the steamship. All through the fight the patrol kept her vigil. At dawn she clicked a fassage of "God speed, safe voy-and turned back. Visitors at museums often com on the sadness of the present state of Egyptian mummles who were bur-ied with such great care in hope that their rest might never be disturbed; are," and turned back but such thoughts never enter the minds of natives who pillage their an-

FAMILIAR WITH GREATNESS. cestors' graves, nor do they disturb the more civilized explorer. To a su-Taking the Photograph of the Late

perstitious person, however, a story of a mummy that Mr. R. Caton Wood-ville tells in Random Recollections Governor of Belgium.

All Next Winter.

The following indicates that there



NECESSARY FOR THE NIGHT INVALUABLE ROLE PLAYED IN FIGHTING NOW IN VOGUE. THE DARDANELLES

Most Spectacular Are the Displays of Fireworks to be Seen on the Western Front.

FIREWORKS IN

Something About the Work of the Trawlers and Their Skippers

and Crews.

Ingram in it, and returned to camp with their sad story. Some time afterwards Mrs. Ing-ram, the hunter's mother, sent out an expedition to find and bring back to England the remains of her son. The spot was found, but two rainy sea-sons had passed and the dry nullah washed away the remains to the four prophecy fulfilled.

Health and Efficiency. The mean can be realized from the fact hat when the war broke out the British army possessed a grand total 1,000 bombs. The name that German joke at teuve Chapelle. Its result is that the British Gov-mament is producing over 10,000,000 the fact health and Efficiency. The name that German joke at the mean to even in the slant of their proprety turner. The following indicates that therefore we should arrange for our fuel supply teuve Chapelle. The producing over 10,000,000 the fact health and Efficiency. The name that the British Gov-mament is producing over 10,000,000 the fact health and Efficiency. The name that German joke at the mean to the fact health and Efficiency. The name that German joke at the mean to the fact health and Efficiency. The name that German joke at the mean table at all sea sons and at all hours. It is essential the coaling of Allied warships on the but far too many people regard fresh highest reputation of all amongst the

its result is that the British Gov-	years more attention has been paid to	swung lifeboats their progress was			in the same way, the lid being remov-	tions of the trawlers finally beca
rnment is producing over 10,000,000	its beneficent influence in this regard,	mighty comforting.	the coaling of Allied warships on the		ed by twisting a piece of metal near	samewhat ambaumaning for whom
	but far too many people regard fresh	Policemen of the Sea.	Atlantic coast, the naval, domestic	with which humanity has to contend	the top. To set off the bomb, all that	me len at anaben towards cundo
Illies.	air as a means for the cure of such	Operating like policemen on routes.	and industrial requirements incident	is the mosquito, and yet those who	is necessary is to touch a match to the	form all astate of the company m
The day after the first German	diseases as pneumonia and tubercu-		to the entrance of United States as a	suffer most usually do least to abolish		
omb came over an enterprising Brit-	losis; it is not adequately recognized	they steam parallel to the ship in	1 111 1 11 11 11 11 11 11	suner most usually do least to abolish	colled a "portfire" will hurn in min	their days work was done, you
sh officer divided his men into com-	as the greatest disease preventive	synchronized speed. When the end of	1 diament by formand	The cause. most people endeavor to		these little craft making for our s
nittees-one on explosives, one on		the route is reached the patrol turns	2. United States officials anticipate	protect themselves from mosquitoes,	then ann interfore	racing one another.
uses and another on casings The	Nature has done her part in sup-	to retrace the route, but not until an-	that and fall those will be unmand	but the place to secure the greatest	Bombs packed in such hermetically	Transport Trawlers
	plying pure air. Wherever the op-	other relieving sea policeman is in	1 1 1 1	results is where they breed.	sealed containers will not deteriorate	The trawlers engaged in trans
	portunity is afforded, the air is con-	sight not more than half a mile	dented demands on ronnig stock as	Mosquitoes breed in stagnant wa-	and are safe from wet. Signal rockets	
the lar beyond their strength.	tinually changing by natural methods.	away.	well as greater dimculty in handling	ter. Rain-water barrels, old tin cans	are put up in the same way, in cylin-	They leave Mudres laden with
		There was during the voyage along	the production.	for nails nartly filled with water and		They leave mutics, laden with
	Man, however, has rendered this ef-	the Irish coast one occasion when	3. The situation is that the United		drical boxes of metal-canned, as one	cuits, fresh meat, thined meat,
	fort of nature largely nugatory by	there apparently was no patrol boat	States companies have placed an em-	ing places. These should be either	might say-each box holding one	goats for the Gurknas, ammunit
	building homes, factories and offices	in sight. Seaward was a lumbering	bargo on coal going out of that coun-	drained or protected Poople at sum	rocket complete: the stick detached	and a hundred and one other art
	almost air tight, in which the air be-	freighter, also on a westward course.		mer resorts and campers in wooded	and made in three joints, like a fish-	which an army requires for its o
	comes stagnant and unwholesome. The	"Where are the patrol boats?" ask-		districts are much troubled with mos-		use. Piled on the top of this mas
	consequence is that the occupants,	ed a timid passenger.	emergency that may arise.	quitoes and this pest greatly mini-	Another contrivance commonly used	goods and livestock, officers and
d all the shells. Every day the	continuously breathing the same air,	"Don't get nervous, madam," an-	4. The present rather acute short-		for military signalling in Europe is a	diers take passages to and back I
itish soldiers had to beat off a Ger-	rapidly become drowsy and incapable		age of coal in many quarters will not	mizes the number who would spend	sort of nyrotechnic nistol invented by	the front. It was no uncommon s
in attack, a raid or g patrolling		swered the deck steward. "See that	be helped by war conditions in the	uneir summers in the open air.	an American naval officer named Very	to see a general sitting on a bis
	In the homes of our people greater	fellow over there. That's no bloom-	17. 14. 1. 64. 4.	10 prevent them breeding, stag-	It is loaded with cartridges that fire	hox, with a goat gnawing at one
	use should be made of the body-build-	ing freighter; she's a decoy. I've seen	F C 1 1 1 1 1	nant water, if it cannot be drained	Roman candle balls of different colors.	and the other boot hidden beneat
	ing fresh and pure air. Rooms should	that ducky off here too often. If any	I amount and unline them to Channel	on, should be sprinkled with low-		quarter of frozen beef. It is a
	be thoroughly ventilated and aired;	submarine showed up, you'd see those		grade kerosene, which will quickly	ROSES.	markable tribute to their skill in
ing tin or "Tickler's Autillow"	sleeping rooms especially require that	high bulwarks tumble down and as	ment regulation, they will reach high-	form a film over the surface and pre-		manship, when one considers
		nice a set of guns as you'd like to	er levels,	vent the larvae coming to the sur-	("A companion of the dead lads,	
the story of the first jam-tin or	the air be continuously changed. The	see. pop up. Notice her speed; she's	6. The U.S. Geological Survey, as	face to breathe.	himself a young fellow barely out of	and the immense distances they I
	easiest and most convenient means to	keeping up with us, and we are do-	well as other agencies having knowl-		his 'teens, had risen early and gone	and the initiality one trawler Lth
	accomplish this is by the opening of	ing eighteen knots. Ever hear of a	edge of the facts, is urging all con-	morganitoes meny substances may be	out into the Woods of the Swallows to	covered, that only one travier, i'd
The army rations at that time all	windows. A cross current of air be-	tramp freighter doing that speed?"	sumers of coal, both large and small,			
luded jam, usually 'plum-and-	tween two windows gives the best re-	And as the steamship came in	to store their winter's fuel during the	one being composed of one ounce each	find some flowers that he might lay	palyn.
ple,' served out in tin cans. When	sults; otherwise a change of air may	range of another patrol boat the				
began looking about for something	be secured by lowering the upper sash		In so far as central and western	ter; another, one ounce of oil of cit-	as a last tribute of anection. he re-	
throw at Fritz we naturally hit on	to permit the foul air to escape, and	"freighter" quickly slackened speed	Canada is concerned, the situation is	ronella and four ounces of liquid	turned carrying an armful of roses,	Durability of Charcoal.
ese tins as the only thing available.	raising the lower one to admit the	and was soon lost to sight.	intensified by the fact that owing to		wet with the dew of the morning and	Charcoal crumbling and breaking
"Well, I took a plum-and-apple tin	fresh air. Roll the blind to the top	At night when our ship was an	the coal strike in the west some 200	vascine, while on or cassia has been	shedding their fragrance widely."-	between the fingers does not app
d divided it into three parts by	to facilitate the exit of the impure	outward mass of blackness, not a	000 tons has already been lost from	used to good effect and the odor is	Special Correspondent.)	to be the most durable and in
mming a quantity of explosive down	air, or, if pulled down, insert a few	glimmer of light showing, passengers	production this year; also, owing to	not objectionable.		structible thing in creation, yet n
e centre and banking that on both	inches of netting at the top of the	being forbidden even to light matches	the shortage of ships and the great	There are many powders on the	Roses on your breasts dear lads:	structible thing in creation, yet f
es with lavers of shrappel, saw-	hlind	or smoke on deck, a patrol boat was	demand for iron ore for the manufac-	market which are more or less en-		to the diamond it is. The preci
at, regimental buttons, anything we	Public health should be a primary	still with us, but to the north and be-	ture of munitions, much less coal than	cient madeuleides., the lutesters of	***	stone, as is well known, depreciate
Id find to fly off and annoy the	consideration. Pending the improve-	hind us, showing her sailing lights of		the commission of conservation, m	a	size so slowly that hundreds of ye
the In the middle of the evaluation	ment of housing and living conditions	red and green brazenly. Bull and	ordinarily was brought up the Great	their surveys, have used a powder,	Sweet and oright and gay.	produce no noticeable change in
astened a fuga and the thing		Calf, those two rocky outposts of Ire-	Lakes last year, so that there are	"Buhach." which was found very ef-		Charcoal never decays; it can sl
ascence a ruse and the thing was	people can do much to secure greater	land, had been left far behind and we	practically no supplies on hand.	fective when burned in the tents in	All you had you gave, dear lads:	in the ground or in the air and be
Wan haven the store there the	health for themselves by making use	were well out in the clear Atlantic.	From the above it is evident that,	the evening before retiring, the mos-	Rose leaves we give to you.	large at the end of a century as
Tou know the story about one of	of the open window to admit fresh	"Why is the patrol so far behind?"	to be assured of our winter's supply of	quitoes and flies being killed by the	The peace of God be yours, dear lads:	fore. It can lie in the bed of a stre
chaps who took over a jam tin in	and pure air.	asked a passenger.	coal, and, at the same time, save in-	smoke fumes.	Faithful and brave and true.	and permit the water to flow over
earliest days. He stood by the	and the second		convenience and perhaps higher prices,			every day, every hour, every min
rman dugout and called the men to	The most economical way of pre-	An officer explained: "She is try-	we should buy coal during the summer		Your fragrance shall be ours, dear	for years and years and be the sa
ne out and surrender. They would	paring fish is by steaming.	ing to act as a decoy for any submar-	months wherever and whenever it is	Sweet alyssum, mignonette, ten	lads,	And outside of the diamond it is
come up, thinking they were safe		ine in the neighborhood in the hopes	available	weeks stocks, calceolaria, cineraria,		
lerground. Finally, Tommy got im-	Midnight sun excursions are now be-	that the submarine would make for	The Dominion Government has ap-	primula and smilax seed can be sown	Life's darkness will be changed dear	only substance that will do so.
ient. 'How many are you down	ing planned to the Yukon from British	the sailing lights and give us a chance	pointed a Fuel Controller to take	now for plants for winter use.	lads.	
re?' he sang out,	Columbia ports,	to escape."	charge of the situation, and the coal	The average Argentine farm is com-	Into eternal day.	the second s
'Sixteen.'	The rise in food prices is not alone	A False Alarm.	dealer and householder can assist by	posed of several thousand acres owned	-A.B.	If you had time to cultivate ev
Then divide that among you you	due to an actual food shortage but	There was one thrill About 10 at	filles that blas your mith 'mmalant	by one man. He will build a very	-A.D.	field of helpfulness, you would it
phters,' said he neevishly and the	also to the world wide inflation caused	night the natrol evidently thought she	mining their bins now with sumcient	fine residence upon his farm for his	Before going into an enterprise take	
n tin went hiffing down the down	by the war, and relatively high prices	saw something spenicions The argon	coal to last through the whole winter.		heed to consider where you are coming	
The manufacturer's parts	by the war, and relatively high prices	Hohte flashed signals Our actions	By so doing they will help out condi-	own use and then there may be	Frite and suite on image to ming	your own door, for right where t
ominent on the tin. Tickler, it was	inflation continue so long as the	immediately altered The	tions when the rallway congestion oc-	twenty-live or thirty small huts which	out. Exits are quite as important as	has placed you its has given you
	intracion continues,	immediately altered. The patrol	curs next fall,	are used as homes by the Italian peons.	entrances.	work to do that only you can do.