

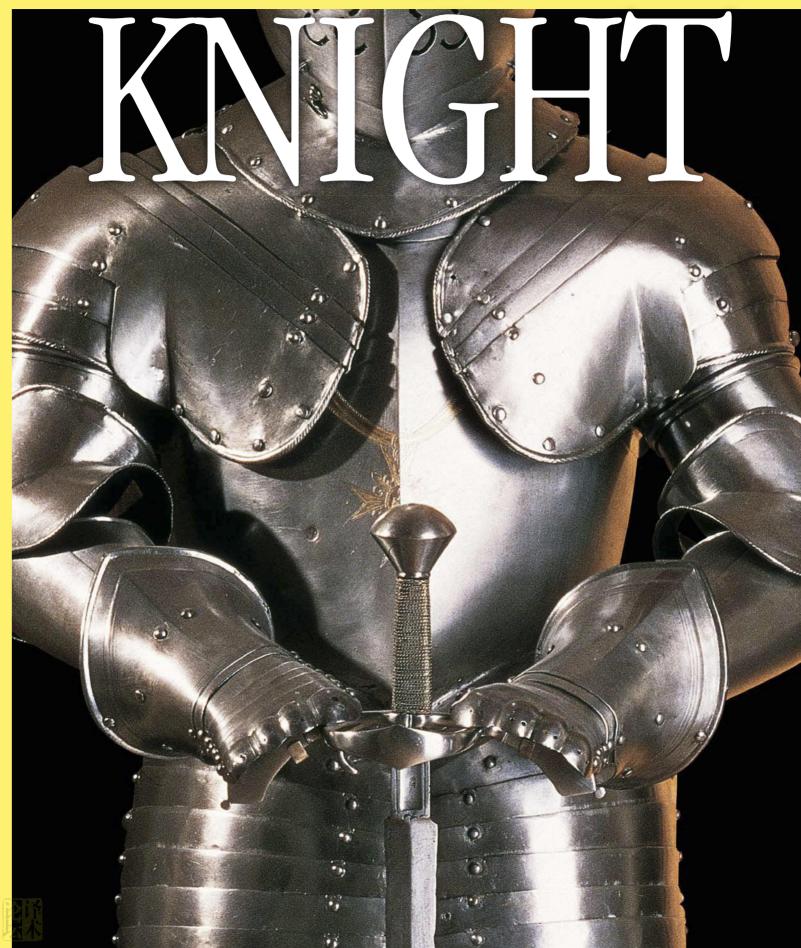
Expension Eyewitness













Eyewitness KNIGHT











Photographed by GEOFF DANN



16th-century Italian parade helmet

German halberd, late 16th century



DK Publishing, Inc.







15th-century German shaffron (armor for horse's head)



Plaque from a tomb ornament showing a knight on horseback







LONDON, NEW YORK, MELBOURNE, MUNICH, and DELHI

Project editor Phil Wilkinson **Árt editor** Ann Cannings Managing editor Helen Parker Managing art editor Julia Harris **Production** Louise Barratt Picture research Kathy Lockley

REVISED EDITION

Managing editors Andrew Macintyre, Camilla Hallinan Managing art editors Jane Thomas, Martin Wilson Publishing manager Sunita Gahir Category publisher Andrea Pinnington Senior editor Kitty Blount Editors Susan Malyan, Šue Nicholson Art editor Rebecca Johns Production Jenny Jacoby, Angela Graef Picture research Sarah Pownall, Claire Bowers DTP designers Sin Chan, Andy Hilliard, Ronaldo Julien

> U.S. editor Elizabeth Hester Senior editor Beth Sutinis Art editor Dirk Kaufman U.S. production Chris Avgherinos U.S. DTP designer Milos Orlovic

This Eyewitness ® Guide has been conceived by Dorling Kindersley Limited and Editions Gallimard

This edition published in the United States in 2007 by DK Publishing, Inc., 375 Hudson Street, New York, NY 10014

Copyright © 1993, © 2004, © 2007 Dorling Kindersley Limited

07 08 10 9 8 7 6 5 4 3 2 KD087 - 04/07

All rights reserved under International and Pan-American Copyright Conventions. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the copyright owner. Published in Great Britain by Dorling Kindersley Limited.

> A catalog record for this book is available from the Library of Congress.

ISBN 978-0-7566-3003-4 (HC) 978-0-7566-0695-4 (Library Binding)

Color reproduction by Colourscan, Singapore Printed in China by Toppan Printing Co. (Shenzhen), Ltd.

15th-century www.dk.com

Discover more at

16thcentury German sword

German halberd,

c. 1500

Contents

The first knights The Normans 10 Making a knight Iron, iron, everywhere 14 Fashion in steel Armor, the inside story 18 Arms and the man 20 On horseback The castle 24 The castle at war 26 Siege warfare 28 Arming for the fight 30 The enemy Into battle 34 The castle at peace 36 The lord of the manor The lady of the manor The ideal of chivalry The tournament



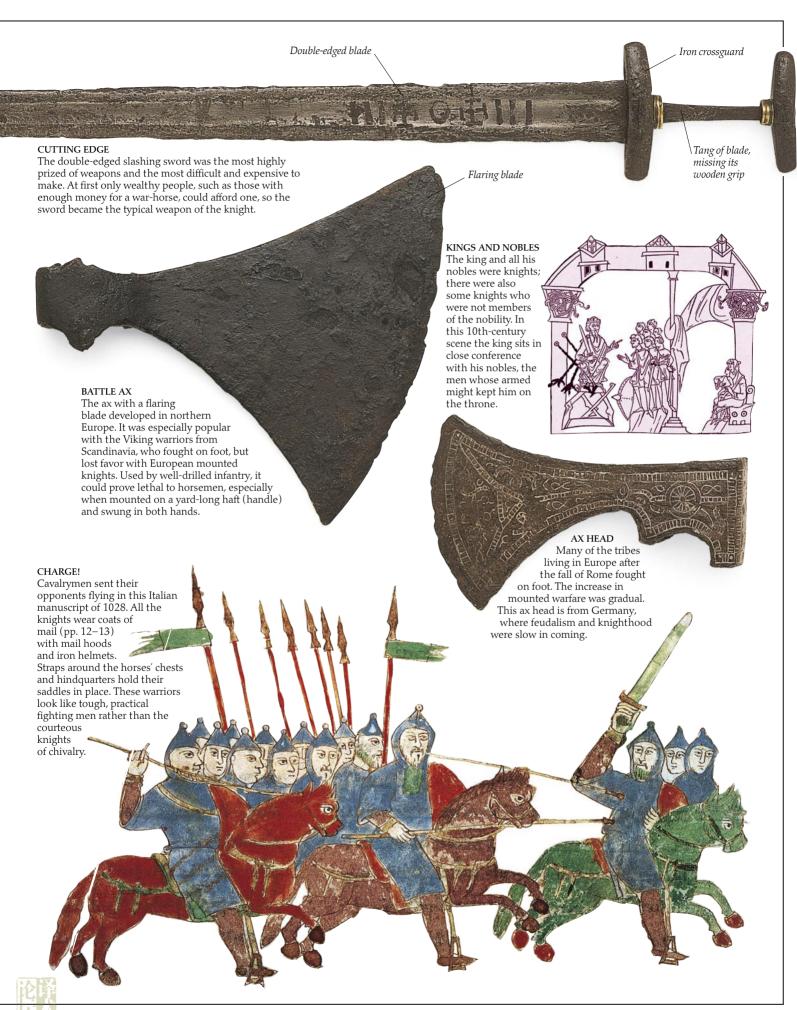
44 The joust 46 Foot combat 48 Heraldry 50 Hunting and hawking Faith and pilgrimage The crusades 56 Knights of Christ 58 Knights of the Rising Sun The professionals The decline of chivalry 64 Did you know? 66 **Timeline** 68 Find out more 70 Glossary

Index



The first knights





SEABORNE ARMY

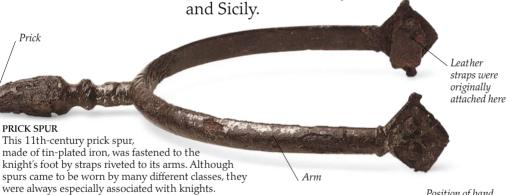
Grim-faced armored soldiers with spears and kite-shaped wooden shields stand ready on the deck of a ship. This French manuscript of the 11th century shows vessels like those used by the Normans to bring their invading army to England.

Prick

PRICK SPUR

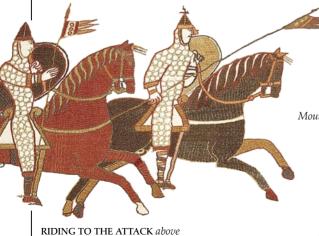
The Normans

 ${f I}$ N AN ATTEMPT to stop the Vikings from raiding his territory in northern France, Charles III of France gave some land to a group of the northern invaders in 911. Their new home was called Normandy (the land of the North-men), and their leader, Rollo, became its first duke. The Vikings fought on foot, but the Normans, as they became known, copied the French use of mounted knights and became formidable fighters. When King Edward of England died in 1066, his cousin, Duke William of Normandy, claimed he had been promised the English throne and invaded with an army. He defeated the new king, Harold, in battle near Hastings and brought the knight, his castle, and the feudal system to England. At about the same time, Norman adventurers invaded parts of southern Italy

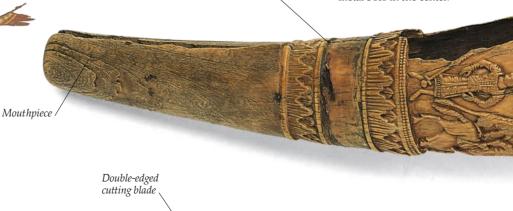


Position of band to attach strap





This is a scene from the Bayeux Tapestry, an embroidery probably made within 10 years of the Battle of Hastings. It shows Norman knights, who wear mailcoats with hoods and iron helmets with noseguards. They carry kite-shaped shields, swords, and light lances. The small flags, called pennons, on the lances show them to be men of high rank



Metal boss



Making a knight

When he was about seven a boy of noble birth who was going to become a knight was usually sent away to a nobleman's household, often that of his uncle or a great lord, to be a page. Here he learned how to behave and how to ride. At about 14 he was apprenticed to a knight whom he served as a squire. He was taught how to handle weapons and how to look after his master's armor and horses; he even went into battle with the knight, helping him to put on his armor and assisting him if he was hurt or unhorsed. He learned how to shoot a bow and to carve meat for food. Successful squires were knighted when they were around 21 years old.



These pieces of armor of about 1600 are part of a full armor custom-made to fit a boy. Only rich families could afford to give their young sons such a gift.

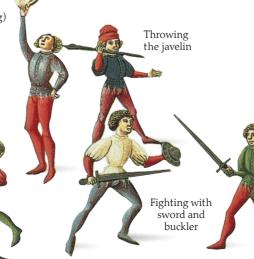
Putting



THE PAGE
Sons of noble families
who were sent away at a
very early age to the
household of a great lord
or to the king's court
learned a variety of skills.
They were trained to serve
a knight, to attend noble
ladies, and to learn the art
of courtly manners and
good behaviour.



Wrestling



Acrobatics



Iron, iron, everywhere

 ${
m T}$ HE MAIN BODY ARMOR worn by early knights was made of mail, consisting of many small, linked iron rings. During the 12th century knights started to wear more mail: their sleeves got longer and mail leggings became popular. A padded garment called an aketon was also worn below the mail to absorb blows. In the 14th century knights increasingly added steel plates to protect their limbs, and the body was often protected further with a coat-of-plates,

made of pieces of iron riveted to a cloth covering. By the 15th century some knights wore full suits of plate armor. A suit weighed about 44-55 lb (20-25 kg), and the weight was spread over the body so that a strong man could run, lie down, or mount a horse unaided in his armor. Stories of cranes being used to winch knights into the saddle are pure fantasy. But armor did have one major drawback. The wearer quickly became

very hot.

Pin allowing visor to be

removed

Cord

allowing

mail to be

removed



KNIGHTLY PLAQUE

This mounted knight of the 14th century has a helm fitted with a crest. This helped to identify him in battle. However, by this time headgear like this was losing popularity in favor of the basinet and visor.



COURTLY GAUNTLETS Gauntlet plates, like this late-14th-century pair from Milan, Îtaly, were riveted to the back of a leather glove. Smaller plates were added to protect the fingers. On these plates each cuff has a band of brass

In this piece of mail, each open ring is interlinked with four others and closed with a rivet. A mail coat weighed about 20-31 lb 9-14 kg), and most of the weight was taken on the knight's shoulders. As mail was flexible, a heavy blow could cause broken bones or bruising.



made. This 15th-century picture shows an armorer using pliers to join the links. Garments were shaped by increasing or reducing the number of links in each row, rather like stiches in modern knitting.

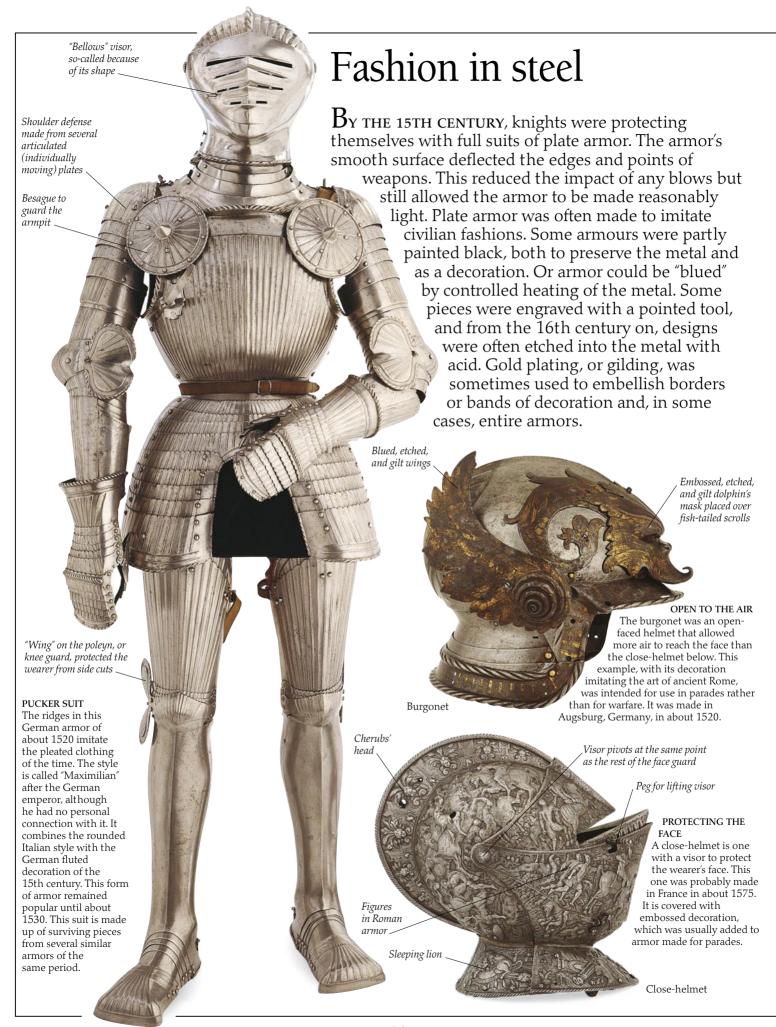


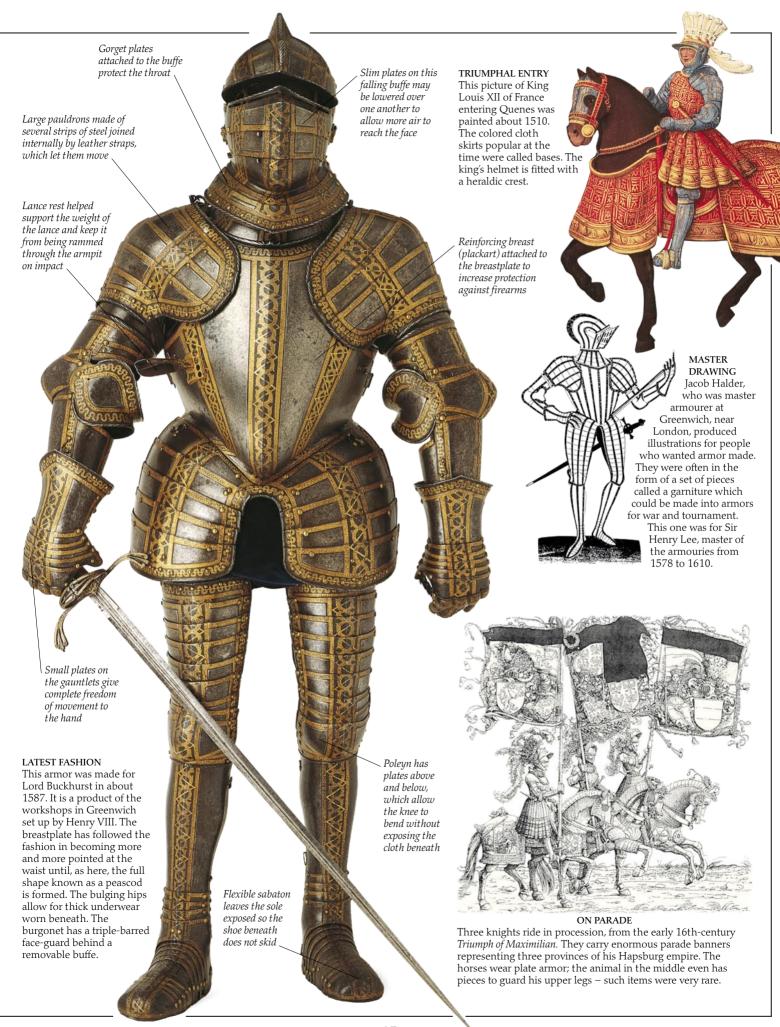
on which is written the latin word AMOR, love.

Modern

mail neck

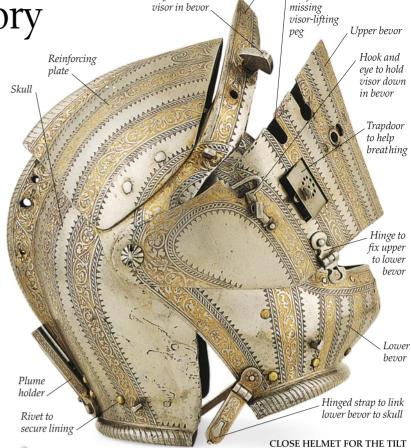






Armor, the inside story

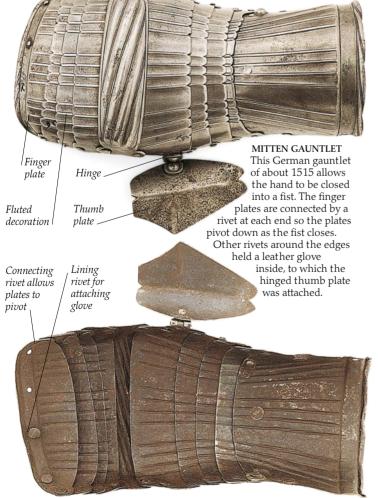
People often think that plate armor is clumsy and stiff. But if it were, it would be little use on the battlefield. In fact, a man in armor could do just about anything a man can do when not wearing it. The secret lies in the way armorers made the plates so that they could move with each other and with the wearer. Some plates were attached to each other with a rivet, which allowed the two parts to pivot (turn) at that point. Others were joined by a sliding rivet, one part of which was set not in a round hole but in a slot, so the two plates could move in and out. Internal leather connecting straps, called leathers, also allowed this type of movement. Tubeshaped plates could also have "flanged" edge, or projecting rim, to fit inside the edge of another tubular plate so that they could twist around.



Key to lock down

Slot for

This etched North Italian helmet of about 1570 has a reinforcing plate riveted to the skull or bowl. The visor fits inside the bevor, which is divided into upper and lower parts. The visor and the two parts of the bevor all pivot at the same point on each side of the skull and can be locked together.



HOT WORK

This armorer has heated a piece of metal in a furnace to soften it and is hammering it into shape over an anvil set in a tree trunk. A bellows forces air over the fire to raise the temperature.





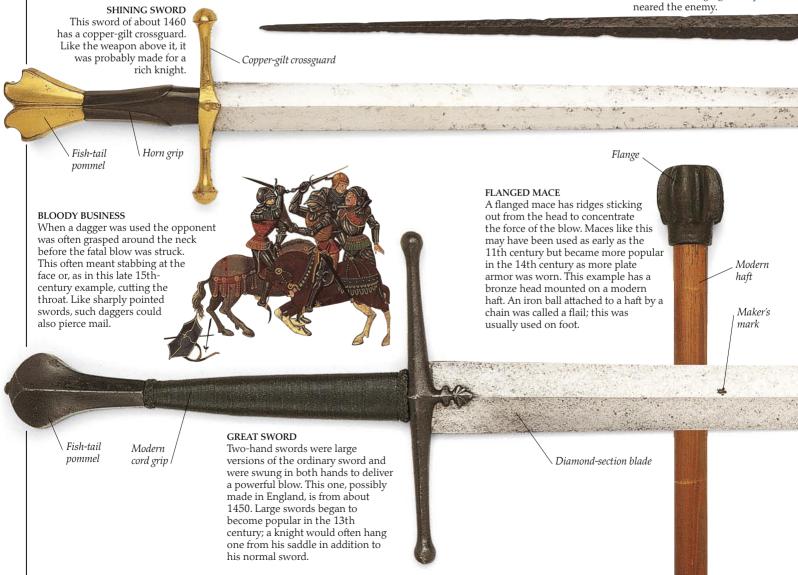
AT THE READY
The double-edged cutting sword, shown unsheathed in this 13th-century tomb effigy, could tear mail links apart and drive them into a wound.

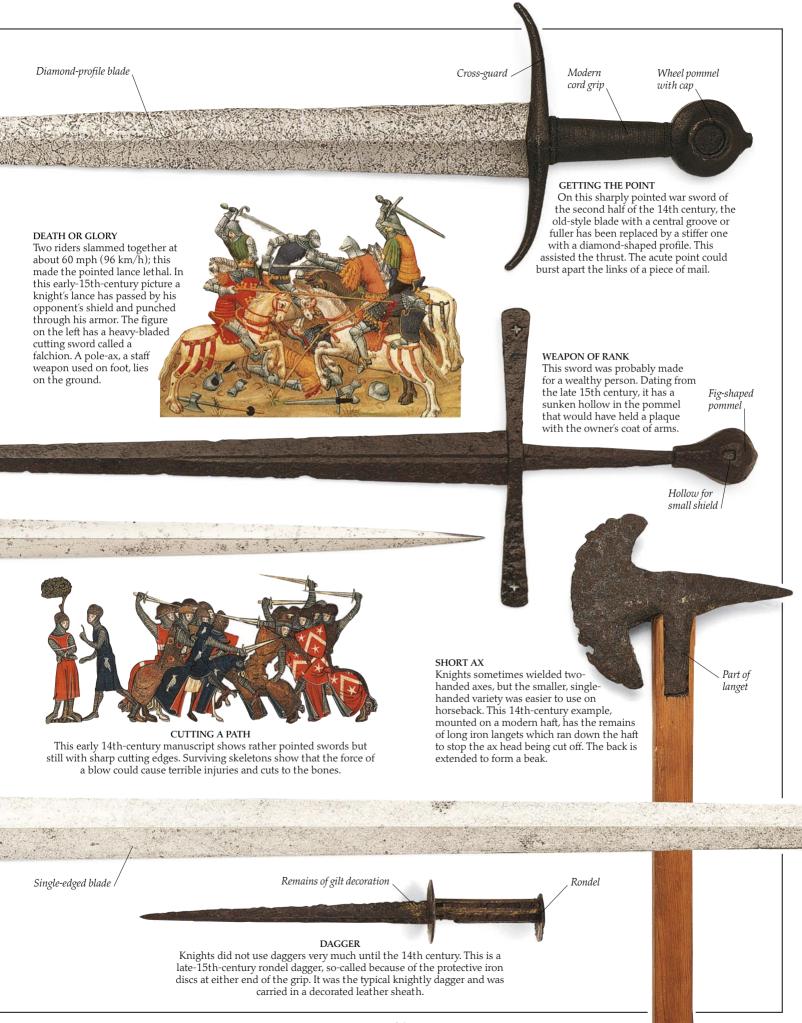
Arms and the man

 ${
m T}$ he sword was the most important knightly weapon, a symbol of knighthood itself. Until the late 13th century the double-edged cutting sword was used in battle. But as plate armor became more common more pointed swords became popular, because they were better for thrusting through the gaps between the plates. The mace, which could concuss an opponent, also became more popular. Before drawing his sword or using his mace, however, a mounted knight usually charged at his opponent with his lance lowered. Lances increased in length during the medieval period and, from about 1300, began to be fitted with circular vamplates to guard the hand. Other weapons such as the short ax could be used on horseback, while long-handled staff weapons, held in both hands, could be used on foot.



THE COUCHED LANCE
Early 14th-century knights charge in formation with lances "couched" under their arms. To keep their line, they rode at a trot before charging as they neared the enemy.





FIT FOR A KING An early-14th-century miniature shows the king of England on his war-horse. The richly decorated covering, or trapper, could be used to display heraldic arms and might be padded for extra protection. Some were even made of mail. Notice the "fan" crest. **GREAT HORSE** A destrier, or "great horse," wears armor on its head, neck, and chest, the latter partly covered in decorative cloth. The knight in this

15th-century picture

wears long spurs and shows the straightlegged riding position. He uses double reins, one of which is highly decorated.

On horseback

The horse was an expensive but vital part of a knight's equipment. Knights needed horses for warfare, hunting, jousting, traveling, and carrying baggage. The most costly animal was the destrier, or war-horse. This was a stallion about the size of a modern heavy hunter. Its deep chest gave it staying power yet it was also nimble. Knights prized war-horses from Italy, France, and Spain. In fact the Spanish Andalusian is more like a war-horse than any other modern kind is. By the 13th century, knights usually had at least two war-horses, plus other horses

for different tasks. The courser was a swift hunting horse, though this name was sometimes applied to the war-horse, with "destrier" used for the jousting horse. For travel, knights often used a well-bred, easy-paced mount called a palfrey. Sumpter horses carried baggage.



ROWEL SPUR *right*Spurs with a rotating spiked rowel on the end of the arm had replaced prick spurs by the early 14th century. This decorated copper-gilt example is from the second half of the 15th century.

Prick or goad

FIRM SEAT
Iron stirrups like this one dating from the 14th century were worn with long straps so the knight was almost standing in them. This, together with the support of high saddle boards at front and rear, meant he had a very secure seat from which to fight.

Tread

Etched and gilt decoration

."Eye" for leathers



The castle

A CASTLE COULD BE a lord's private home and his business headquarters, as well as a base for his soldiers. The first castles probably appeared in northwestern France in the ninth century, because of civil wars and Viking attacks. Although some early castles were built of stone, many consisted of earthworks and timber walls. But slowly knights began to build castles of stone and later brick, because these materials were stronger and more fire-resistant. In the late 15th century, more settled societies, demand for comfort, and the increasing use of powerful cannons meant that castles became less important. Some of their military roles were taken over by forts, defended gun platforms controlled by the state.

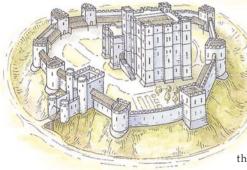
MOTTE AND BAILEY

The castles of the 10th to 12th centuries usually consisted of a ditch and rampart with wooden fences. From the 11th century on, many were also given a mound called a motte, a last line of defense with a wooden tower on top. The bailey, or courtyard, below it held all the domestic buildings.



NARROW SLIT

Windows near the ground were made very small to guard against enemy missiles or soldiers climbing through. Such windows were narrow on the outside but splayed on the inside to let in as much light as possible.



STRENGTH IN STONE

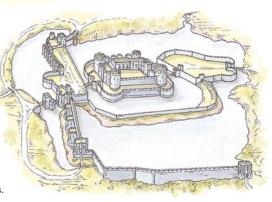
Stone donjons, or keeps, became common in the late 11th and 12th centuries. The larger ones could hold accommodation for the lord and his household. The bailey was by now often surrounded by stone walls with square towers. Round towers appeared in the 12th century.



Stone castles cost a fortune to build and could take years to complete. The lord and the master mason chose a strong site and plan. Stone had to be brought in specially. In addition, large amounts of lime, sand, and water were needed for the mortar. The materials and work force were normally provided by the lord.

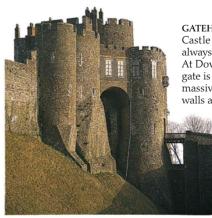


Concentric castles, which were first built in the 13th century, had two rings of walls, one within the other. This gave two lines of defence. The inner ring was often higher to give archers a clear field of fire. Some old castles with keeps had outer rings, added later; these gave yet another line of defense. Sometimes rivers were used to give broad water defenses.



CRACKING CASTLE

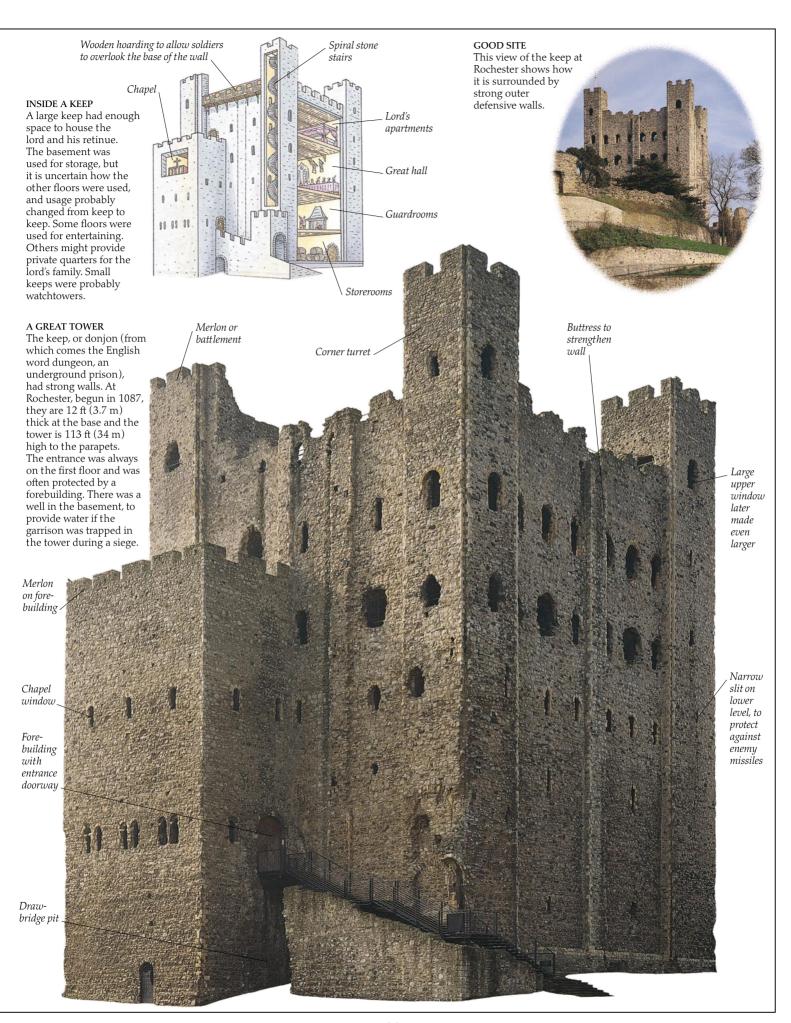
Sometimes wooden fences on the notte were replaced by stone walls, forming a shell keep. Occasionally a stone tower was built on a motte, but the artificial mound was not always strong enough to take the weight. The 13thcentury Clifford's Tower in York, England, has cracked as a result.



GATEHOUSE

Castle gatehouses were always strongly fortified. At Dover, England, the gate is flanked by two massive round towers. The walls are splayed at the

base; the thicker masonry helps to protect them against mining. There is also a deep dry ditch to obstruct attackers.



The castle at war

VAULTED CEILING

There are holes built into the stone vaulted ceiling of the castle

Iron-clad wooden portcullis

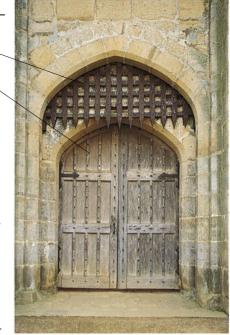
Wooden doors barred from behind

Castles were built as defense against enemy attacks. The first obstacle for the enemy was a ditch all the way around the castle, which was sometimes filled with stakes to slow a man down and make him an easy target. Moats – ditches that were

often filled with water – were less common:

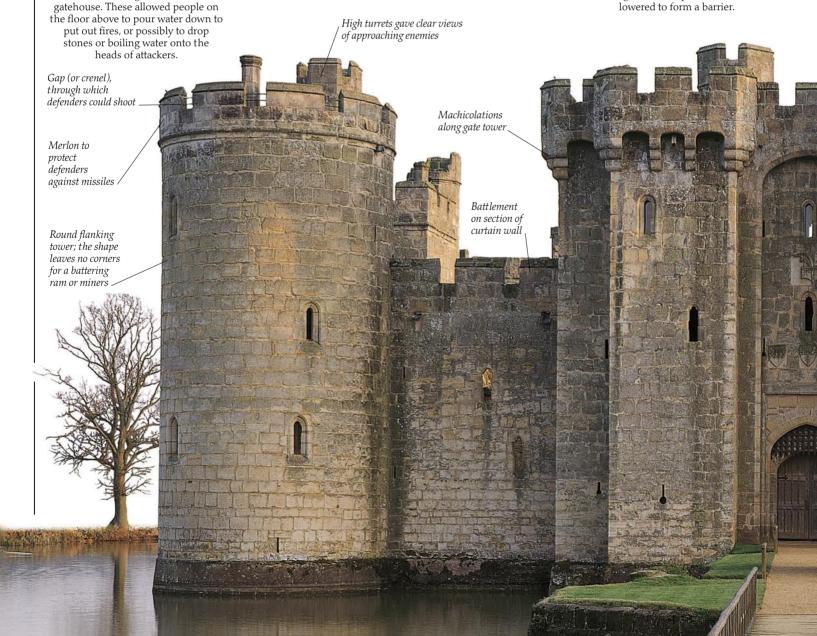
they kept attackers from mining

(burrowing) under the walls. Towers jutted out from the walls so that defending archers could shoot along the walls to repel any attackers. Small gates allowed the defenders to rush out and surprise the enemy. The castle was also used as a base from which knights rode out to fight an enemy or ravage his lands.



GATEHOUSE

The gatehouse was always strongly defended, as it was thought to be a weak spot. Usually a wooden lifting bridge spanned the ditch and an iron gate called a portcullis could be



OVER THE WALLS This early 14th-century picture shows the 11thcentury Crusader Godfrey of Bouillon attacking fortifications. His men are using scaling ladders, which was always dangerous because the defenders would try to push them away. Archers provide

covering fire.

FLANKING TOWERS
This picture was taken looking up the front of the castle. Flanking towers jut out on either side to protect the gate.

The battlements are thrust forward (machicolated) so that

they overhang the walls. Boiling water or hot sand could be poured through the holes to hurt the attackers below. The holes could also be used to pour cold water, to put

out fires.



Stone corbel supports the battlement

EMBRASURE

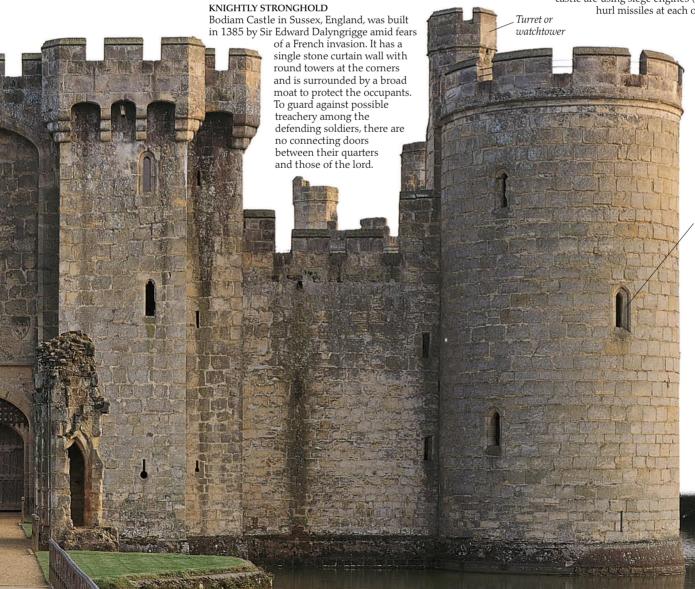
An embrasure was an alcove in the thickness of the wall, with a narrow opening, or "loophole," to the outside. This allowed defenders to look and shoot out without showing themselves. In this example, the rounded lower part of the loophole is designed for guns, used more and more in warfare

by the time this castle was built.

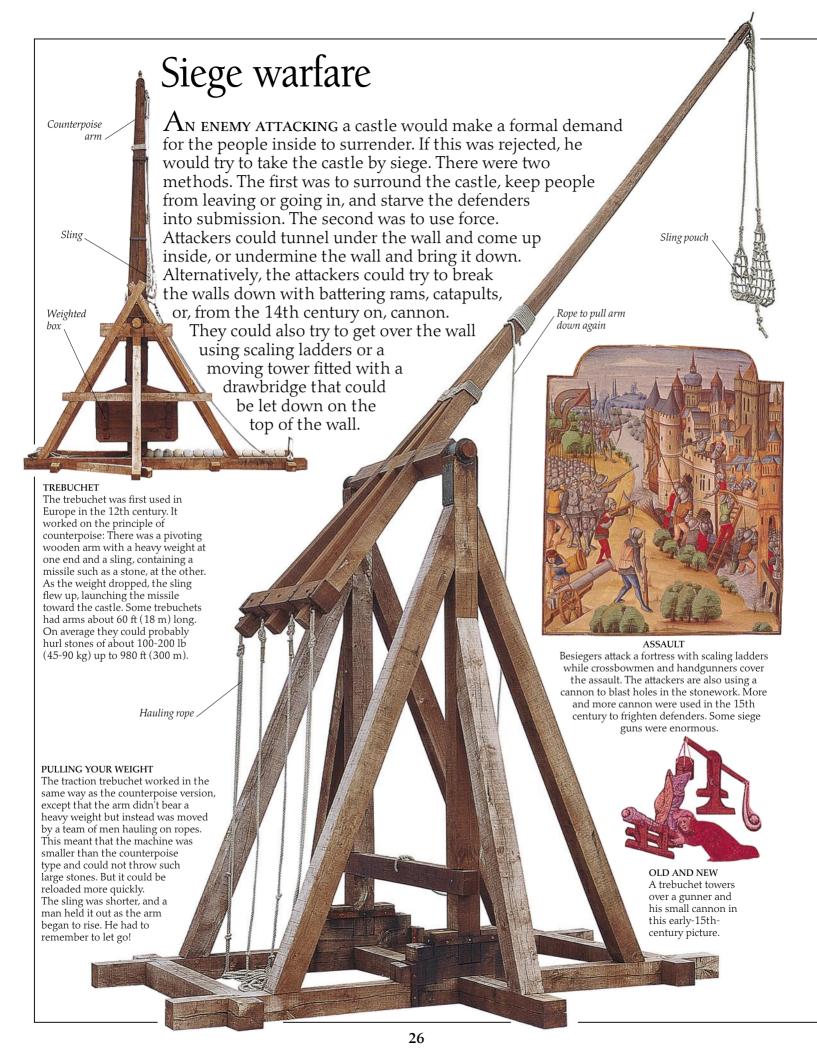


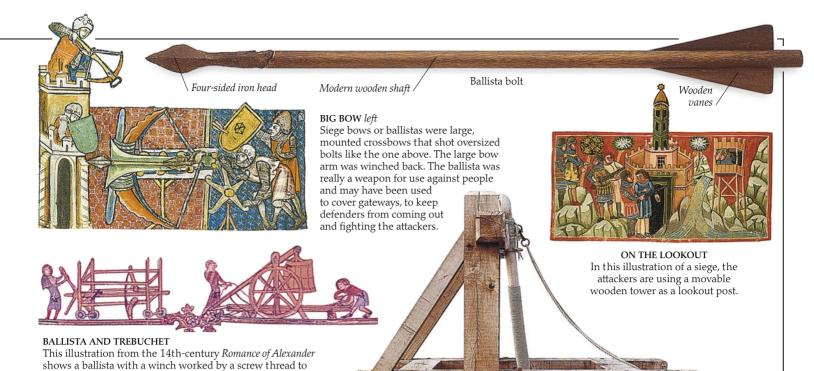


AT SIEGE
Both the attackers and the defenders of this castle are using siege engines (pp. 26–27) to hurl missiles at each other.



Lancet window to let in light but keep out missiles









pull back both slider and bowstring. The trebuchet has a large windlass mechanism to pull down its arm.

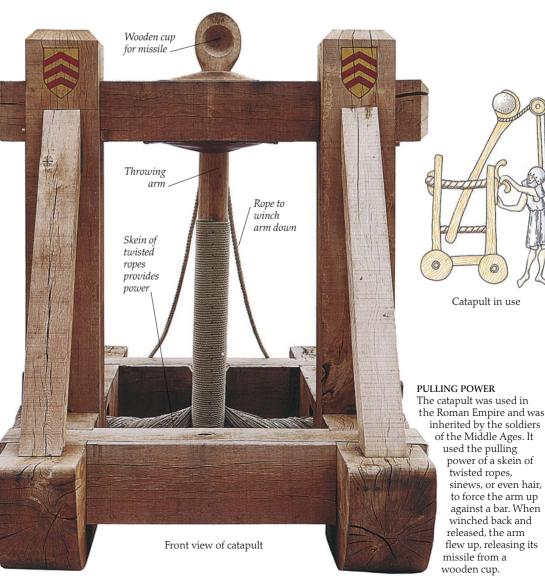
IN THEORY

This is a design for a wooden bridge and covered penthouse to enable attackers to cross a ditch safely. It comes from a manuscript full of ingenious military ideas – many of which were probably not actually used.

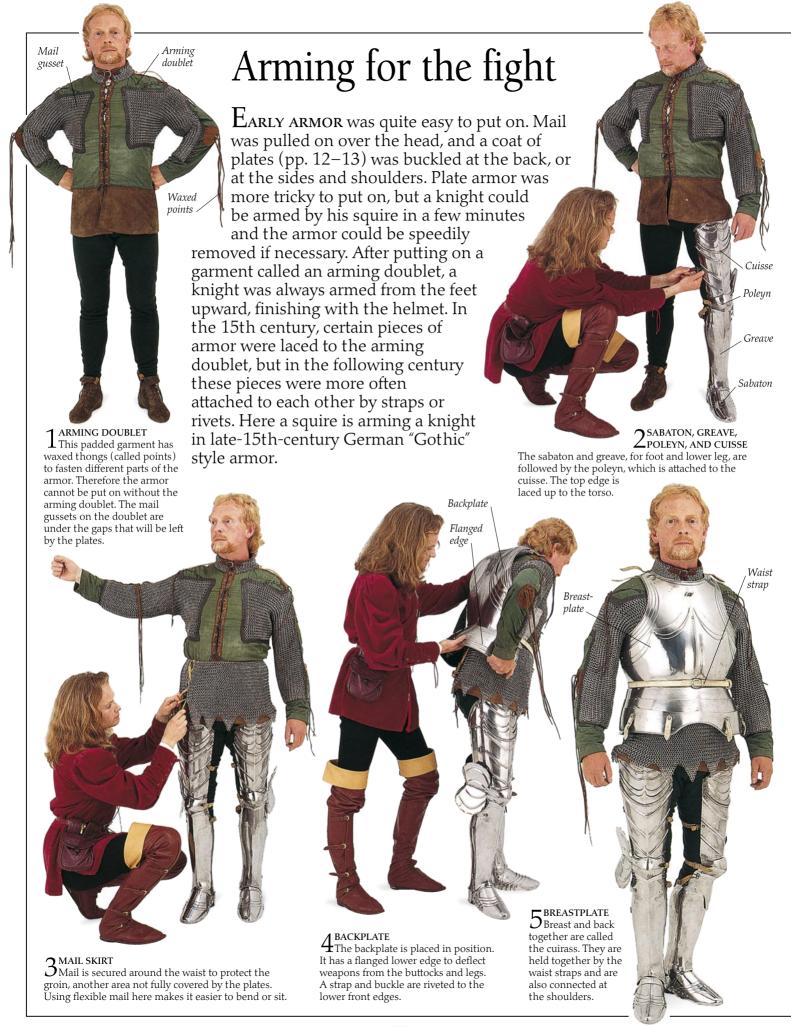


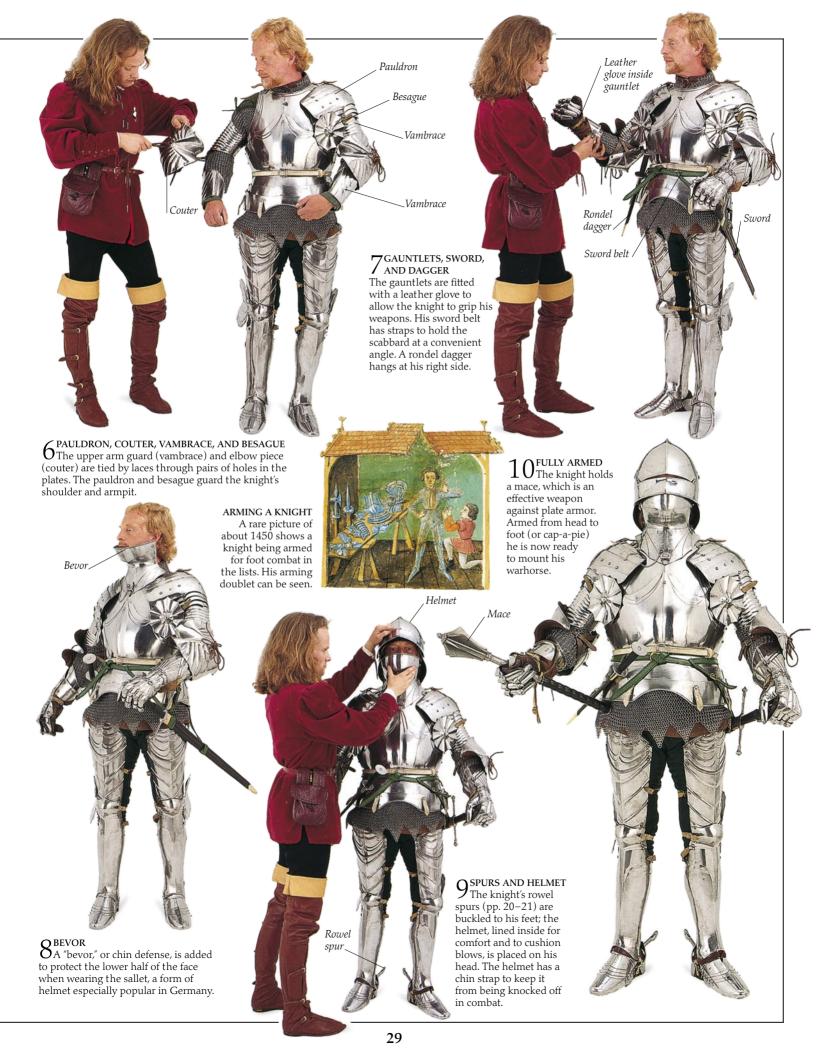
SURRENDER

Formal surrender is shown in this 15th-century illustration; the keys of a fortress are being handed to the besiegers. If taken after a siege a town or castle was sometimes looted by the soldiers because its occupants had refused to give up on request. On other occasions a truce would be made so that the person in charge of the castle could send to his lord for permission to surrender.



Side view of catapult



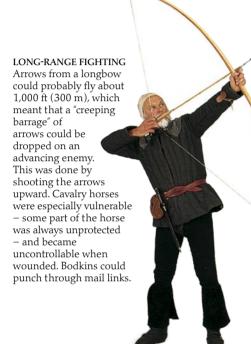






AT THE BUTTS

The strength required to pull a longbow meant that archers needed constant practice to keep in condition and maintain their skills. In this 14th-century picture English archers shoot at the butts, targets set up on earthen mounds.



Bodkin

Steel buckler or fist shield

THE GOOSE FEATHER

Fletchings, or feather flights, make the arrow spin for a truer flight. Usually goose feathers were used for the vast numbers of arrows needed by an army. The shaft was commonly made from ash wood. The nock holds the arrow lightly on the string.

Fragment of shaft _

Nock inset

into shaft

General-purpose

Bodkin

Bodkin

Binding

General-purpose

Goose feather

Broadhead

ARROWHEADS

These varied in shape depending on their use. Broadheads were barbed for use against animals; some were used against warhorses. Bodkins were for penetrating armor. A thin bodkin could pierce armor plate when it struck its target squarely. There were also general-purpose arrowheads.

Arrow through belt



WELSH ARCHER

The English came up against Welsh longbowmen in the 12th century, and such men were often employed in English armies afterward. In this crude picture the rough bow is shown far too small. The bare foot may be to give a better grip.

Pieces of leg armor for partial protection



A skilled archer (such as the men in the center right of this 15th-century illustration) might release 12 arrows per minute. A crossbowman (center left), using a mechanical winder, could only shoot two bolts in the same time. But these would penetrate deeply, and the crossbowman did not need so much training.

KEEN EYE

Each archer carried 24 arrows, known as a sheaf, and when these were shot away more were brought from supply wagons. Many archers carried their arrows pushed through their belt rather than in a quiver, which was also usually hung from the waist. They would often stick their arrows into the ground in front of them, ready for quick shooting.

WARRIOR KINGS

The great seals of many medieval kings showed them as head of their army, on horseback, and wearing full armor. Nobles also liked to portray themselves in this way. Here Henry I, king of England (1100-1135) and duke of Normandy, wears a mail coat and conical helmet.

Into battle

his people in turn.

f I HE RULES OF CHIVALRY dictated that knights should show courtesy to defeated enemies. This was not just humane, it brought ransoms from high-ranking prisoners. But this code was not always observed, especially by desperate men facing death. For example, Énglish longbowmen supported by knights slaughtered French knights at the battles of Crécy (1346), Poitiers (1356), and Agincourt (1415). And knights often showed little mercy to foot soldiers, cutting them down ruthlessly in pursuit. Much was at stake in a battle – defeat might mean the loss of an army or even a throne. So commanders preferred to ravage and raid enemy territory. This brought extra supplies as well as destroying property, and showed that the lord could not protect

FIGHTING ON FOOT

Although knights were trained as horsemen, they did not always go into battle as cavalrymen. On many occasions it was thought better for a large part of an army to dismount and form a solid body, often supported by archers and groups of cavalry. In this late-14th-century illustration, dismounted English and French knights and men-at-arms, many wearing visored basinets on their heads (pp. 12-13), clash on a bridge. Archers and crossbowmen assist them.

CALTROPS

These nasty-looking iron objects are only a couple of inches high. They were scattered over the ground before a battle to lame horses or men from the opposing army who accidentally stepped on them. However they fell, caltrops always landed with one spike pointing upward. They were also scattered in front of castles.

IN PURSUIT

when one force in the battle has turned in flight and is pursued by the other side. Often the pursuers did not hesitate to strike at men with their backs turned, and once a man was down, his opponent would give him several further cuts to make sure he stayed there. Breaking ranks to chase the enemy could sometimes put the rest of your army in danger.



WALL OF HORSES above
Armor of the 12th century was similar in many parts of
Europe, but fighting methods could vary. Instead of using their lances to stab overhand or even to throw, as sometimes happened in the 11th century, the Italian knights on this stone carving are "couching" – tucking – them under their arms. Each side charges in close formation, hoping to steamroller over their opponents.

7013

One spike always

points upward



SHOCK OF BATTLE

This late-15th-century picture shows the crash of two opposing cavalry forces in full plate armor and the deadly effects of well-aimed lances. Those struck down in the first line, even if only slightly wounded, were liable to be trampled by the horses either of the enemy or of their own knights following behind.



SPOILS OF WAR

When an army was defeated the victors would often capture the baggage. This could contain many valuables, especially if the losing leader was a prince. Captured towns also provided rich pickings, and prisoners and dead knights were stripped of their armor after a battle. In this 14th-century Italian picture the victors examine the spoils.

SHOCK WAVES

This early-16th-century German woodcut shows a disciplined charge by mounted knights. Spurring their horses to a gallop as they near the enemy, the first line has made contact while those behind follow with lances still raised.

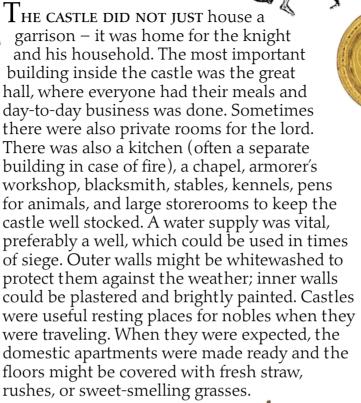
They will lower their lances before





The castle at peace

SONG AND DANCE Music was welcomed as entertainment and to accompany meals. Dances usually involved many people, often holding hands for types of ring dance.



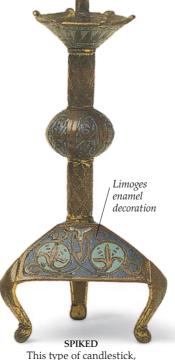


SILVER CRUET This silver vessel was kept in the chapel to hold the holy water or wine used in the Mass. It was made in Burgundy in the late 14th century.

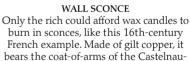


AT THE LORD'S TABLE At mealtimes the whole household would come together in the great hall. On this manuscript of about 1316, Lancelot entertains King Arthur by telling him about his adventures.





This type of candlestick, called a pricket candlestick, had a long spike to hold the candle. This one, dating to about 1230, was probably used in a castle chapel.



Coat-of-

LaLoubere family encircled by the collar of the Order of St. Michael.



A GAME OF CHESS Duke Francis of Angoulême (later king of France) plays chess with his wife Marguerite in a picture of about 1504. Being a wargame, chess was popular with knights. Chess pieces were often made of bone or ivory and beautifully carved.



The lord of the manor

SOME KNIGHTS were mercenary soldiers

who fought simply for money. Óthers, particularly until the 13th century, lived at their lord's expense as household troops in his castle. But a man might be given some land by his lord. Then he became lord of the manor and lived off its produce. He lived in a manor house, often of stone and with its own defenses. He held a large part of the manor as the home farm; "his" peasants, workers of varying status, owed him service in return for their homes. They had to bake their bread in his oven and pay for the privilege. Both the lord and the church received part of their goods, although they might be invited to feasts at festivals, such as Lammas (when bread made from the season's first corn was blessed). The lord sat in judgment in the manor court and might have a house in a town for business dealings.

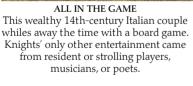


HOME DEFENSE

Stokesay is a fortified manor house in Shropshire, England. It consists of a hall and chamber block with a tower at each end, mostly built in the late 13th century. In the 17th century a wooden section was added on one end.



a document they added a wax seal, pressed from a metal die. This is the silver seal die, with a modern cast, of Robert Fitzwalter, one of the leaders of the rebel English barons who







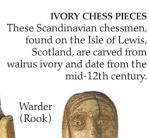
Modern cast





made King John sign the Magna Carta in 1215.

Name of Robert









The lady of the manor

Women in the middle ages, even those of noble rank, had far fewer rights than a woman can expect today. Young women were often married by the age of 14. A girl's family would arrange her marriage and she would be given a dowry, a gift to pass on to her husband. Upon marriage a woman's inheritance passed to the husband, so knights were often on the lookout for a rich heiress to marry. But the lady was her husband's equal in private life. She could provide great support for him and take responsibility for the castle when he was away. She might even have to defend the castle if it was besieged, and hold it against her enemies.



DALLIANCE

The ideal of courtly love is shown in an illustration from the medieval poem *The Romance of the Rose.* Women pass the time pleasantly, listening to a song while a fountain pours water into an ornamental stream. In reality, many women would not have had time for such activities.

THE WHITE SWAN

This gold and enameled brooch is known as the Dunstable Swan and dates from the early 15th century. The swan was used as a badge by the House of Lancaster (one of the English royal families), particularly by the princes of Wales, heirs to the throne. Noblewomen might wear such badges to show their allegiance.





Ladies were often very well educated. Some could read and write, understand Latin, and speak foreign languages. In this picture of the 1460s, learned ladies with books represent Philosphy and the Liberal Arts.

ON BENDED KNEE

A knight of about 1200 places his hands in those of his lady in an act of homage like that performed by a subordinate to his lord. In this case he is indicating that he will be his lady's servant - an ideal of courtly love that was not borne out in practice.

Cantle

qui fi amu ×



BAD NEWS

A lady swoons on receiving news of her husband's death. Although marriages were arranged by the couple's families, husband and wife could and did become extremely fond of one another and sometimes grew to love each other.

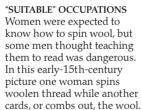


Women liked to diplay their rank by wearing rings and brooches. The 15th-century gold brooch at the top is probably Flemish and has a female figure among the precious stones. The late-14th-century English brooch is decorated with coiled monsters. English gold

Pommel

Flemish gold brooch

JEWELS





brooch

TALE ON A SADDLE

This German saddle dates from between about 1440 and 1480. It is made of wood covered with plaques of stag's horn, on which are carved the figures of a man and a woman repeated several times. Inlaid hard wax provides the color. The figures' speech is written on scrolls. They speak of their love and of the woman's husband's absence in the war; the woman asks: "But if the war should end?"

hunters. This medallion of 1477 shows Mary of Burgundy. She carries her hawk on her wrist and is riding sidesaddle, a method that solved the difficulty of sitting on a horse in a long dress. Her mount wears a decorative cloth trapper.

Carved plaque

The ideal of chivalry

Although knights were men of war, they traditionally behaved in a courteous and civil way when dealing with their enemies. In the 12th century this kind of behavior was extended to form a knightly code of conduct, with a special emphasis on courtly manners toward

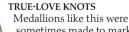


women. The poems of courtly love recited by the troubadours of southern France were based on this code, and the romance stories that became popular in the 13th century showed the ways a warrior should behave. Churchmen liked the idea of

> knighting ceremony (pp. 10–11) a religious occasion with a church vigil and purifying bath. Books on chivalry also appeared, though in reality knights often found it difficult to live up to the ideal.

KNIGHT IN SHINING ARMOR

This 15th-century tournament parade shield depicts a bareheaded knight kneeling before his lady. The words on the scroll mean "You or death," and the figure of death is represented by a skeleton.



sometimes made to mark special occasions, such as marriages. This one was struck to comemorate the marriage of Margaret of Austria to the Duke of Savoy in 1502. The knots in the background are the badge of Savoy - they also refer to the way the couple's love will unite the two families.

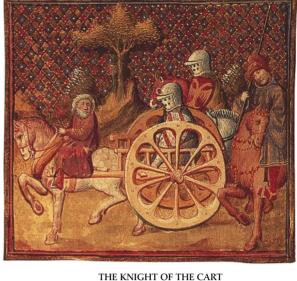






LANCELOT AND GUINEVERE

King Arthur was probably a fifth-century warrior, but the legends of the king and the knights of the Round Table gained popularity in 13th-century Europe. They tell of Arthur's struggles against evil and of the love between Arthur's queen, Guinevere, and Sir Lancelot, which eventually led to the destruction of Arthur's court. In this story, Lancelot crosses a sword bridge to rescue Guinevere.



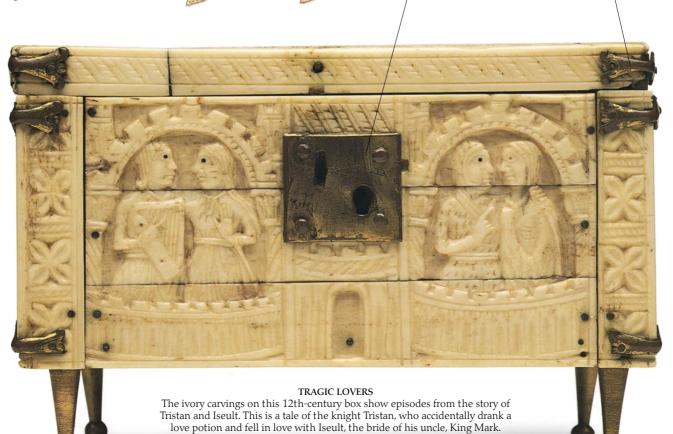
Knights rode on horseback and it was usually thought a disgrace for a knight to travel in a cart. This picture shows an episode from the story of Sir Lancelot. Lancelot was famous for his valour and skill in combat, but his love affair with Queen Guinevere brought him shame. In this episode Lancelot meets a dwarf who offers to tell him where Guinevere is if he will ride in the cart.

Corner

reinforcement

ROYAL CHAMPION

Sir Edward Dymoke was the champion of Queen Elizabeth I of England. At her coronation banquet in Westminster, it was his job to ride fully armed into the hall and hurl his gauntlet to the ground to defy anyone who wished to question the queen's right to rule. Such a challenge was made at every coronation until that of George IV in 1821.



Lock



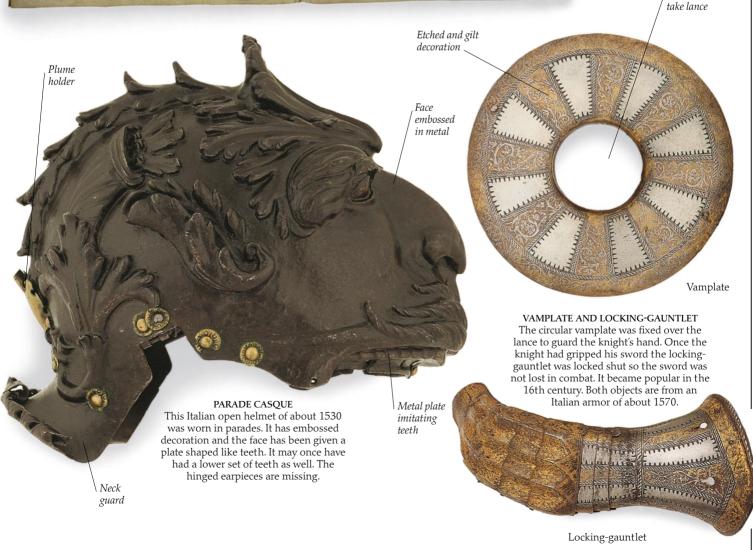
Although tournaments were popular with knights, and many people liked to watch, the church frowned on them because much blood was often spilled. In this early-14th-century picture, devils wait to seize the souls of knights killed in a tourney.

The women viewed the banners and crested helms of the contestants before the tourney. If a lady knew that one of the knights had done wrong, his helm was taken down and he was banned from the lists. This picture comes from the 15th-century tournament book of René of Anjou.



CLUB TOURNEY In this type of tournament, two teams use blunt swords and clubs only. Their crested helmets are equipped with protective face grilles. Each knight has a banner-bearer, while attendants (called varlets) stand ready in case he falls. The knight of honor rides between two ropes that separate the teams; ladies and judges are in the stands. Although the lists had become smaller the artist of this picture has squashed them up to fit everything in.

Hole to



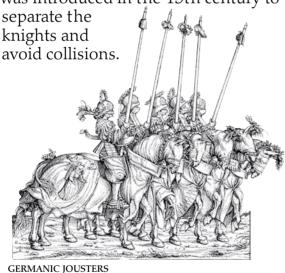
The joust

During the 13th century a dramatic new element was added to the tournament – jousts, in which knights fought one-to-one. In a joust, a knight could show his skill without other contestants getting in the way. Usually the knights fought on horseback with lances, though in some contests they continued the fight with swords. Two knights would charge toward one another at top speed and try to unhorse each other with a single blow of the lance. You could also score points if you broke your lance on your opponent's shield. Sometimes they used sharp lances in combats called "jousts of war." These could kill a knight, so

Eye slit

many jousters preferred to use a lance with a blunt tip or with a coronel shaped like a small crown to spread the impact. Such combats were called "jousts of peace." Special armor was developed for jousting, to

increase protection. A barrier called the tilt was introduced in the 15th century to



GERMANIC IOUSTERS

In Germany, knights often practiced the "Rennen," a version of the jousts of war. Since no barrier was used, the knights' legs were partially protected by metal shields. The shields above their heads show that in this version they could be struck off.

Lances were made of wood and by the 16th century were often fluted to help them splinter easily. This 17th-century lance is slightly thinner than those used for jousting against an opponent. It

was used to spear a small ring hanging

from a bracket.

BREAKING A LANCE

FROG-MOUTHED HELM

This 15th-century helmet for the jousts of peace was originally fastened down the back and front. The wearer could see his opponent by leaning forward during the charge. At the moment of impact he straightened up, so that the "frog-mouthed" lower lip protected his eyes from the lance head or fragments of the shaft.

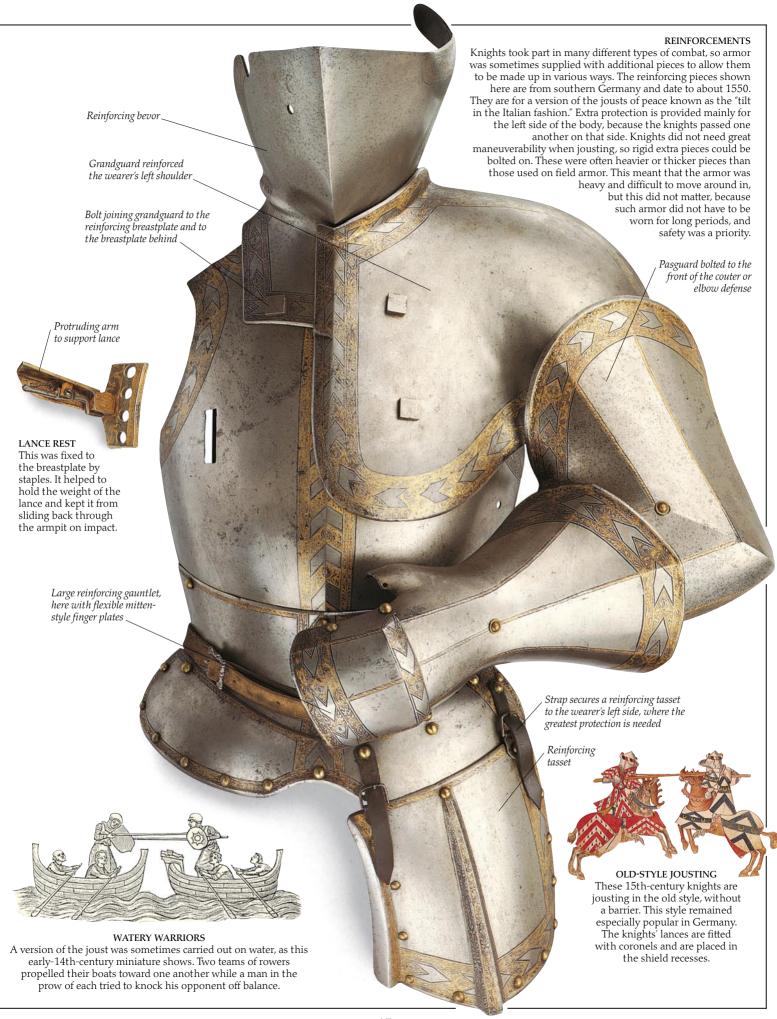


LANCER'S SHIELD

This late 15th-century wooden shield is covered in leather. It was probably used for the Rennen. The lance could be placed in the recess in the side. The shield was attached to the breastplate by a staple nailed to the rear.

PARADE BEFORE THE TILT

Knights paraded beside the tilt, or barrier, before the jousting commenced. This scene from Jean Froissart's Chronicles was painted in the late 15th century, though it depicts the jousts at St. Inglevert, which took place in 1390, before the tilt was introduced. Attendants with spare lances accompany the knights.



Foot combat

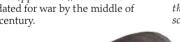
In some 13th-century jousts the knights dismounted after using their lances and fought on with swords. By the 14th century, such foot combats were popular in their own right. Each contestant was allowed a set number of blows, delivered alternately. Men-at-arms stood ready to

separate them if they got too excited. From 15th-century writings we learn that each man sometimes threw a javelin first, then the fight went on with sword, ax, or staff weapon. Later still, such combats were replaced by contests in which two teams fought across a barrier. It was called the foot tournament because, as in the mounted tourney

(pp. 42–43), each man tried to break a spear against his opponent before



Foot combats in the 15th century took place without a barrier, so the contestants protected their legs with armor. The most common helmet for these contests was the great basinet (pp. 12-13), which was outdated for war by the middle of the century.







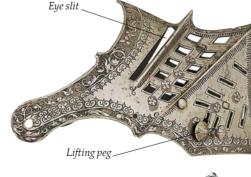


Visor

AT THE READY This detail from a 16th-century Flemish tapestry shows contestants waiting to take part in foot combat over the barrier. A page is handing one knight

his helmet. Sword cuts





EXCHANGE VISOR Two threaded bolts allowed the visor to be removed from the helmet on the left and replaced with this one, which has a number of ventilation holes. It could be used for battle or for foot combat.

gilded that it is surprising that it was ever

that it must have been used. It was part of a

dazzling garniture of gilt armor made in 1555.

worn in actual combat. But the sword cuts show



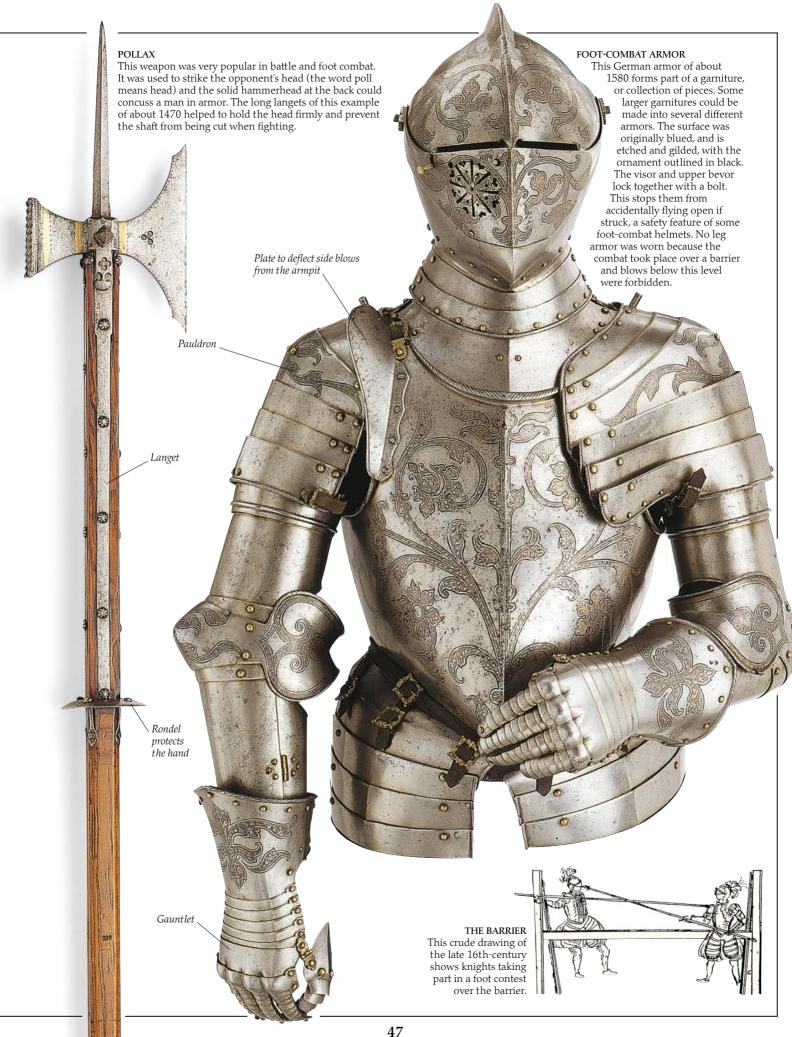
Sometimes a charge

help the innocent man. until the accused was either which case he was executed.



FOOT COMBAT

Helmets for foot combat and, later, the team event called the foot tournament, had to be able withstand direct blows at close quarters, so the steel might be thicker than on a battle helmet. This 16thcentury helmet would have had a visor that locked in place with a catch. A pivoting support held up the visor when not in action.





Or, a pale gules



Azure, a fess embattled or



engrailed or



Lozengy, argent and gules



Vert, a crescent



Azure, a fleur-de-lys or



Gules, a spur argent

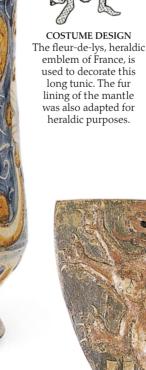
Heraldry

 ${
m M}$ en have always decorated their shields. In the 12th century these designs became more standardized in a system known as heraldry, which enabled a knight to be identified by symbols on his shield, or a full coat of arms. It is often said that this was done because helmets with face guards made knights difficult to recognize, but a more likely reason was the need to identify contestants in tournaments. Heraldry was based on strict rules. Only one coat of arms was carried by a knight, and this passed to his eldest son when he died. Other children used variants of their father's arms. Arms used a series of standard

colors and "metals" (silver or gold) and are described in a special language,

based on Old French.





HERALDIC JAR

Coats of arms were placed on all sorts of objects, to show ownership or simply to add color. This jar of about 1500 has quartered arms, in which the arms of two families joined by marriage appear twice together.



BADGE OF OFFICE This copper arm badge was worn by a servant of François de Lorraine, Hospitaler Prior of France from 1549 to 1563, whose arms it bears. Retainers of a lord often wore his livery badge.



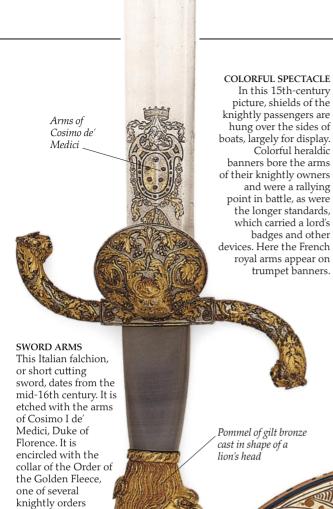
ROLL OF ARMS Heralds made lists to keep a record of participants in military events like tournaments and battles. The Carlisle Roll contains 277 shields of King Edward III's retinue on his visit to Carlisle, England, in 1334.



A KNIGHT'S SHIELD

This rare surviving shield of the 13th century is made from wood, which has a lion rampant molded in leather. These are the arms of a landgrave (ruler) of Hesse in Germany. He is represented as a knight of the Teutonic Order; the white shield and black cross of the Teutonic knights has been painted on the lower left.

Lion rampant





Gules, a lion rampant or



Or, a lion sejant regardant purpure



Gules, a swan argent



Azure, a dolphin naiant argent



Or, a dragon rampant vert



Or, a portcullis purpure



KEY TO LABELS ON ARMS

Purpure Purple

Gold

Silver

Red

Blue

Black

Green

Or

Argent

Gules

Azure

Sable

Vert

Azure, a sun in splendor or

MAKING AN IMPRESSION

The bezel of this large gold 14th-century signet ring is engraved with heraldic arms, which include those of the de Grailly family. Above are the letters: "EID Gre," probably meaning: "This is the seal of Jean de Grailly." When pressed into hot wax used to seal a document, the arms appeared in the wax the right way around.



of chivalry.

COAT OF ARMS The brass of Sir Thomas Blenerhasset (died 1531) shows the heraldic arms on his coat armor, the name given to the surcoat. The version worn at this time is the tabard, also used by heralds.

SPANISH PLATE

The Spanish kingdom of Castile had a castle for its arms, while that of Leon used a lion. The two kingdoms united in 1230 and their quartered arms were first noted in 1272. On this Spanish dish of about 1425, the true heraldic colors have been ignored, while the background has designs influenced by the Spanish Muslims.

Hunting and hawking

MEDIEVAL MONARCHS AND LORDS were very fond of hunting and hawking. These sports provided fresh meat, as well as helped to train knights for war. Hunting, for example,

allowed them to show their courage when facing dangerous animals like a wild boar. The Norman kings set aside vast areas of woodland for hunting in England, and there were severe penalties for poachers or anyone who broke the forest laws. The animals hunted ranged from deer and boar to birds and rabbits. Knights often hunted on horseback, which provided excitement and useful practice for war. Sometimes "beaters" drove the prey toward the huntsmen, who lay in wait. Hunters might also use bows or crossbows, which gave them good experience with these weapons. Hawking was very popular, and good birds were prized. One 15th-century manuscript gives a list of hawks, showing how only the higher members of society could fly the best birds.

FLYING TO A LURE
A lure was a dummy
bird that the falconer
swung from a long
cord. The falcon would
pounce on the lure, so
that the falconer could
retrieve his bird. The
lure could also be used
to exercise a

to exercise a bird or teach it to climb high and "stoop" down on its prey.

Steel pin to engage rack for drawing bow

NOBLE BEASTS

This detail of the carving on the side of the crossbow tiller shows a stag hunt. Only rich people were allowed to hunt stags.

Wooden tiller veneered with polished stag horn carved in relief —

Wooden flights .



WOODEN FEATHERS

These German crossbow bolts date to about 1470. One has wooden flights rather than the feathers usually seen on arrows.

FOR DEER HUNTERS below The blade of a German hunting sword of about 1540 is etched with scenes of a stag hunt. Such swords were carried for

hunting and also

for general

protection.



Deer being driven

into nets

WOLF HUNT

When hunting for wolves, huntsmen would hang pieces of meat in a thicket and drag them along pathways to leave a scent. Look-outs in trees warned of the wolf's approach and mastiff dogs flushed it out for the hunters. This hunt is pictured in a copy of the late-14th-century hunting book of Gaston Phoebus, Count of Foix, France.

the deer

France.

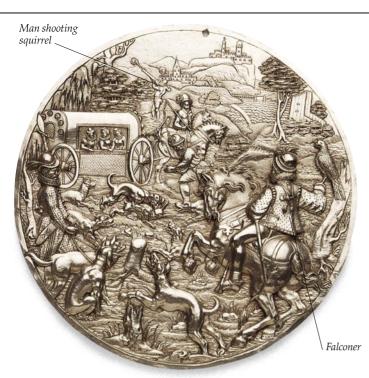
Dogs chasing



FREDERICK II THE FALCONER

This German emperor liked falconry so much that in the mid-13th century he wrote a book on the subject, from which this picture comes. Some lords even kept hawks in their private rooms.

Hunting horn



ON THE HUNT

A Flemish or German silver plaque of about 1600 shows knights hunting with hounds, falconry, and guns. One hound catches a hare in front of three ladies who watch with interest from their carriage.



Revolving nut released by trigger below

Triangular barbed head

PET CARE Hunting dogs needed careful looking after. Gaston Phoebus recommends the use of herbal medicines to cure mange, diseases of the eye, ear, and throat, and even rabies. Swollen paws damaged by spiny plants required attention. Dislocated shoulders were treated by bonesetters, and

broken legs were put in harnesses.





AFTER THEM! Upper-class women were also avid hunters. In this illustration of about 1340 a lady blows a hunting horn as she gallops after the dogs.



Faith and pilgrimage

 ${
m T}$ he church played a major part in the life of the Middle Ages. Western Europe was Roman Catholic until Protestantism took hold in some countries in the 16th century. Most people held strong beliefs and churches flourished,

taking one-tenth of everyone's goods as a sort of tax called a tithe. Monasteries were sometimes founded by wealthy lords, partly to make up for their sins. Some lords actually became monks after a life of violence, hoping that this would make it easier for them to enter heaven. To get help from dead saints, Christians would make pilgrimages to well-

known shrines, such as the tomb of St. Peter in Rome, and wear a symbolic badge. Holy relics, many of them forgeries, were

carried for protection.





People wore tiny containers called ampullae holding Holy Water to protect themselves Canterbury, England in 1170,

from evil. This one has a picture of St. Thomas Becket, killed in and would have been bought after a pilgrimage to his shrine.

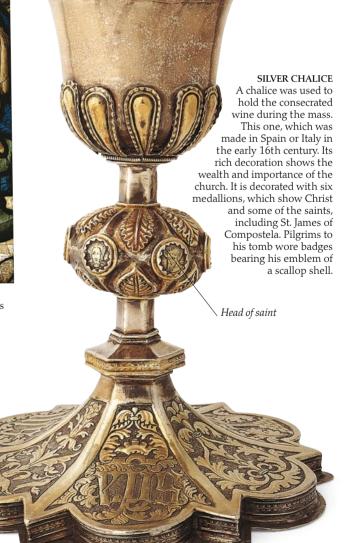


KNIGHT AT PRAYER The saints played a vital part in peoples' lives. This stained-glass window from the Netherlands shows a knight from the Bernericourt family praying at a statue of Mary Magdalene.

Lead seal showing the Virgin Mary holding

baby Jesus

SYMBOLS OF FAITH People often wore badges to show that they had been on a pilgrimage. The simple lead cross shows the importance of this sign – even a knight's sword guard could be used as one. Other popular subjects were Christ and the Virgin Mary, and the saints.





PEOPLE'S CRUSADE

In 1096 the French preacher Peter the Hermit led an undisciplined mob from Cologne in Germany toward Jerusalem. On their way they pillaged and looted, killing Jews for their money and because they thought them responsible for Christ's death. Though there were some knights in this People's Crusade, it was wiped out in Anatolia (modern Turkey) by the Turks.

The Crusades

In 1095 at Clermont, france, Pope Urban II launched a military expedition to take the Christian Holy Places in Jerusalem back from the Muslim Turks who ruled the Holy Land. This expedition became known as the First Crusade. A huge army traveled thousands of miles across Europe, gathering at Constantinople (now Istanbul) before going on to capture Jerusalem in 1099. But the city was soon retaken by the Muslims and many other crusades failed to take it back, apart

from a brief period in 1228-29 when the German emperor, Frederick II, made an agreement with the Muslims. Even Richard the Lionheart, the warlike English king and a leader of the Third Crusade of 1190, knew that if he could capture the city, he would not be able to hold it. Nevertheless, western leaders set up feudal states in the Holy Land. The fall of Acre in 1291 marked the end of these states, although Christians still fought Muslims in Spain, the Mediterranean, and the Balkans. Crusades were also

preached against non-Catholic heretics in Europe.





SPANISH CRUSADERS

Muslims, known as Moors, had lived in Spain since the eighth century. From the 11th century on, Christian armies tried to push them back south; Granada, their last stronghold, fell to the Christians in 1492. Warrior monks, such as the Order of Santiago, seen in this 13th-century picture, helped the Christian reconquest of Spain.



_ Border of crowns

KING ON A TILE

Medieval churches were often decorated with patterned ceramic tiles. These examples come from Chertsey Abbey, England. They bear a portrait of Richard. I, known as Richard the Lionheart, who was king of England from 1189 to 1199, and was one of the leaders of the Third Crusade of 1190.

, Mamluk cavalryman



TAKING SHIP

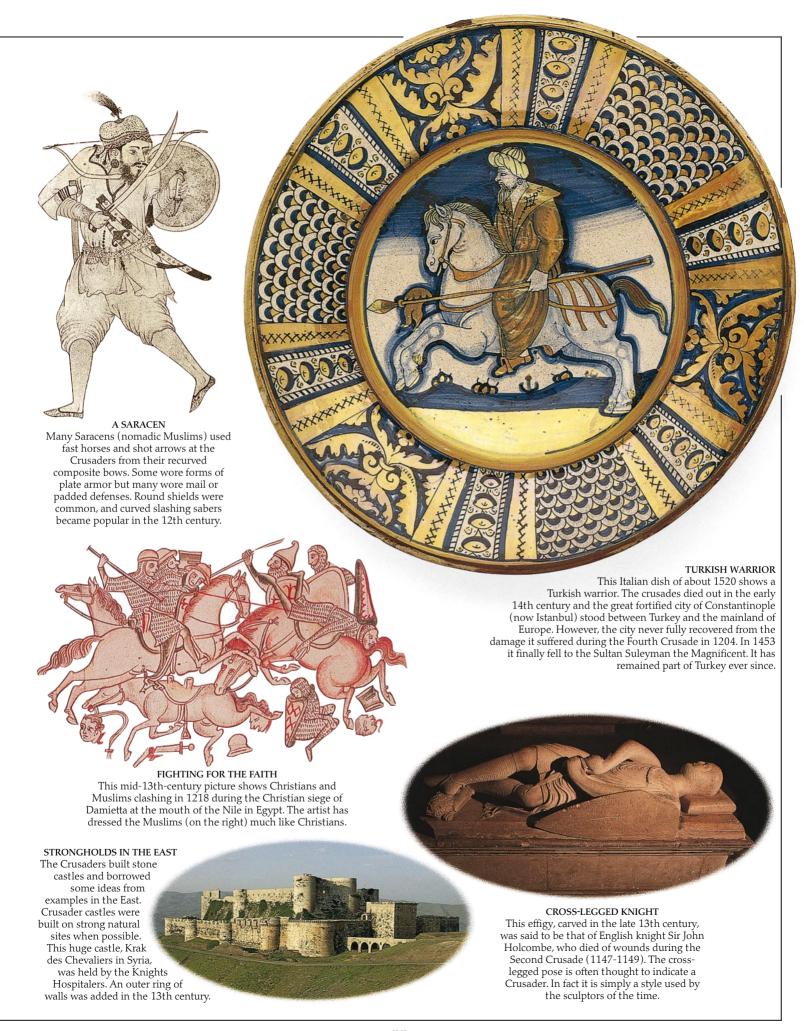
To get from Europe to the Holy Land, people could either take the dangerous road overland, or cross the Mediterranean Sea. The Italian city-states of Venice, Pisa, and Genoa, eager for new trade, often provided ships.

Unfortunately, in 1203 Venice persuaded the leaders of the Fourth Crusade to attack the Byzantine capital of Constantinople, which never recovered.

THE MAMLUKS

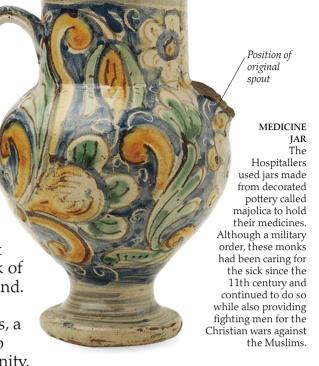
An elite body of troops, the Mamluks were slaves recruited by the Muslims. This late 13th- or early 14th-century bronze bowl shows a mounted Mamluk heavy cavalryman. He appears to be wearing a lamellar cuirass, a type of armor that was made from small iron plates laced together. Above his head he holds a slightly curved saber.





Knights of Christ

In 1118 A BAND OF KNIGHTS who protected Christian pilgrims in the Holy Land were given quarters near the Jewish temple of Jerusalem. These men, known as the Knights Templar, became a religious order but differed from other monks by remaining warriors and continuing to fight the Muslims. In the same period another order of monks, who had worked with the sick, became a military order called the Knights of St. John or Knights Hospitaller. When the Christians lost control of the Holv Land in 1291, the Templars, by now less active, found that the European rulers did not like their power and their lack of action, and withdrew their support, causing them to disband. The Hospitallers moved their base to the Mediterranean and continued fighting the Muslims. The Teutonic Knights, a German order that had become military in 1198, moved to eastern Europe and fought to convert the Slavs to Christianity.





THE HOSPITAL

Malta was the final home of the
Knights of St. John. This engraving of
1586 shows them at work on the
great ward of their hospital in the
Maltese capital, Valletta.



BRONZE MORTAR
Ingredients for Hospitaler medicines were ground by a pestle in this mortar dating from the 12th or 13th century.



BURNING THE TEMPLARS After the Christians took control of the Holy Land, the Templars became very rich and powerful, which made them unpopular. King Philip IV of France decided to seize their wealth. The grand master, Jacques de Molay, was killed in 1314 and the order was suppressed in Europe.



THE FIGHT GOES ON After the loss of the Holy Land in 1291, the Hospitalers moved first to Cyprus, then in 1310 to Rhodes where they again clashed with the Muslims. This continual struggle meant that despite their wealth, they managed to escape the fate of the Templars.





GRAND MASTER'S SEAL A Grand Master led each military order. This seal belonged to Raymond de Berenger, who ran the Hospitallers from 1363-1374.

PROCESSIONAL CROSS

This early 16th-century cross is made of oak covered with silver plate. The figure of Christ is older. The Evangelists are pictured on the arms of the cross. The cross belonged to the Hospitalers and the coat of arms is that of Pierre Decluys, Grand Prior of France from 1522-1535. Each military order had priories or commanderies in several countries to raise money and recruits.



snathis donate to fic namy la

elt commus ad ada Dians. petetbe liqui a commo do de tuo m profundum unfam: fine in oadlum lupia. Et duat achami. Don extam: et non toutabo domanum. Et dent. Andite argo domus da mo Aunquid parunt cit wobes molettes elle hommbus: qua mo left dhe et do meo: Deopter la dabit dis eple wbis lignim. Er a virgo conapict ch part filum et wa bitur nomen aus ana mid . Sutumm a mid connect : ut faat repro barr malum et eligen



ORDER OF SERVICE above The Knights of St. John were expected to attend church services and to know their Bible in the same way as other monks. Breviaries like this one contained the daily service. The religious knights had to obey strict rules, which were usually based on those of the regular monastic orders.

Hospitalers followed the rule of St. Benedict, the Templars that of the Cistercian order.



Templars wore a white surcoat (tunic) with a red cross. In this 12th-century fresco from the Templar church at Cressac, France, a knight gallops into battle.



Joining the Knights Hospitaler meant being a skilled fighting man yet rejecting the world for a monastic life. Like other monks, the knights swore to serve the order faithfully, to remain chaste, and to help those in need. It is thought that many knights took their vows on this book, the late-15th-century Rhodes Missal.



vital in the heat of the Mediterranean and along pilgrim routes in the Holy Land. This metal water bottle of about 1500 bears the cross of the Order of St. John.

Knights of the Rising Sun

Europe was not the only area to have a warrior class. Japan developed a society similar to the feudal system of medieval Europe, and the equivalent of the knight was the samurai. Like his western equivalent, he was a warrior, often fighting on horseback, serving a lord, and served by others in turn. After the Gempei War of 1180-1185, Japan was ruled by an emperor, but real power lay with the military leader or Shogun. However, civil wars had weakened the Shogun's power by 1550, and Japan was split into kingdoms ruled by daimyo or barons. In 1543 Portuguese merchants brought

the first guns to Japan: soon large, professional armies appeared. A strong shogunate was revived after a victory in 1600, and the last great samurai battle was fought



HELMET AND FACE GUARD

Helmets like this 17th-century example are often fitted with mustaches. They have a neckguard made of iron plates coated with lacquer (a type of varnish) and laced together with silk. Lacquer was used to protect metal from moisture in the humid climate of Japan.



increase in this type of combat, although samurai still fought on horseback when necessary. The shift toward foot combat with sword and curved spear brought

changes in the armor.

EARLY ARMOR ABOVE

This 19th-century copy of 12th-century armor is in the great armor, or *O-yoroi*, style. An iron strip is attached to the top of the breast, and the rest of the cuirass is made of small lacquered iron plates laced together with silk and leather. The 12th-century samurai who wore armor like this were basically mounted archers.



SWORDSMAN

Samurai prized their swords greatly. This 19th-century print shows a samurai holding his long sword unsheathed. His smaller sword is thrust through his belt, with the cutting edge uppermost to deliver a blow straight from 111111 the scabbard.



was the katana, sheathed in a

wooden scabbard (saya). The guard for the hilt was formed by a decorated oval metal plate (tsuba). The grip (tsuka) was covered in rough sharkskin, to

prevent the hand from slipping, and bound with silk braid. A pommel cap (kashira) fitted over the end. The pair of swords (daisho) was completed by a shorter sword (wakizashi), which was also stuck through the belt.

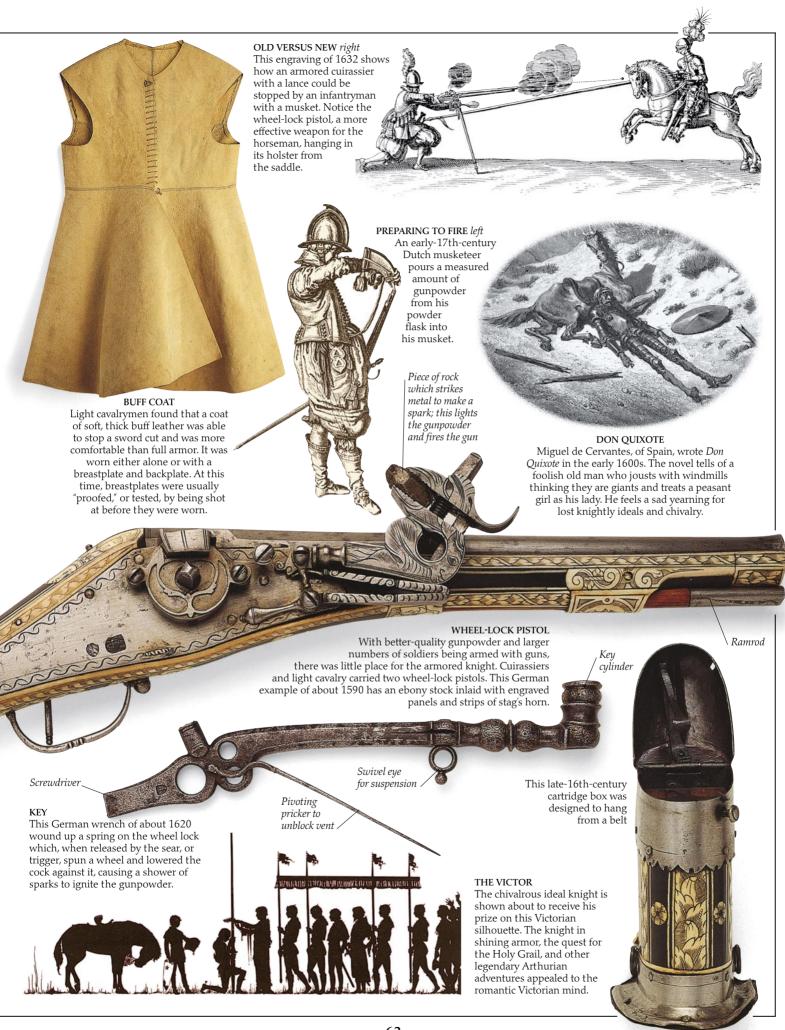
Tempered edge









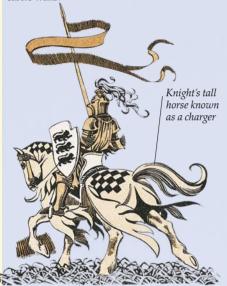


Did you know?

AMAZING FACTS

The expression "to get on your high horse" means to be overbearing or arrogant. It comes from the Middle Ages, when knights and other people of high rank rode on tall horses, called chargers. People of lower rank rode on smaller horses or ponies.

During a siege, a trebuchet was sometimes used to throw very unpleasant missiles into a castle. The severed heads of defenders, cattle dung, and dead animals that could spread disease were just some of the offerings shot over the castle walls.



Knight riding high on horseback

Spiral staircases were common in medieval castles. They usually spiraled in a clockwise direction. This made life difficult for an attacker fighting his way up the steep stairs, because his weapon (in his right hand) would keep hitting the post in the center of the stairs.

Samurai armor was made of iron plates laced together with silk and thread. Because the climate in Japan is damp, the armor had to be lacquered to stop it from rusting.

The badge of the Knights Templar order was two knights riding on one horse. This represented their original state of poverty.



The name Templars came from the location of their headquarters, which was situated near the old Jewish temple in Jerusalem.

King Richard I, known as Richard the Lionheart, ruled England from 1189–1199 and was in many ways a model knight. He was a heroic fighter and zealous crusader, and was committed to the ideal of chivalry. On his deathbed, it is said that he even pardoned the crossbowman who had fatally injured him with his arrow.

Trebuchet

Pivoting wooden arm

Sling pouch

Ladders used to scale the city walls The castle of Krak des Chevaliers in Syria was a crusader castle built in the 12th century. The Knights Hospitaller lived there and defended nearby pilgrim routes against the local Muslim rulers. It had a windmill for grinding corn and its own aqueduct and nine reservoirs to supply and store water.

Just like modern tourists, medieval pilgrims wore badges on their hats to show they had been to a shrine. The badge made it clear they were on a journey and had the right to protection.

In 1212, up to 50,000 French and German children took part in a crusade to the Holy Land. Few of them ever returned home.

Castle defenders often dropped missiles onto attackers below. Hot water, red-hot sand, rocks, or quicklime were often used. But boiling oil, beloved of modern filmmakers, is rarely mentioned in contemporary chronicles.

The siege of Jerusalem by the Christian crusaders in 1099

QUESTIONS AND ANSWERS

What does chivalry mean?

During the Middle Ages the word chivalry was used to mean the knightly class, who were known as the Chivalry. The name comes from the French word cheval, meaning horse, because knights were soldiers who rode on horseback. In time chivalry came to mean the qualities expected of an ideal knight, such as courtesy, bravery, and honor.

Were tournaments dangerous?

A tournament, or tourney, was a mock battle, designed to keep the knights in shape and entertain the ladies and other members of the court, but it could be very dangerous and bloody. At one tournament held in Cologne, Germany, more than 60 knights were killed.

What happened to knights who were defeated in battle?

If a knight defeated an opponent in battle, he would not necessarily kill him. An enemy knight could be more valuable alive than dead, since his family would pay ransom money to get him back. If the money was not forthcoming, the knight would have to remain in prison until it was!

Do knights still exist today?

The only knights in suits of shining armor that exist today are all in museums, but the order of knighthood still remains in Britain. A knighthood—which means you are addressed as "sir"—is given by the king or queen to a British subject for outstanding service to the country.



Scene from a medieval tournament

Who built the first English castle?

It is hard to know for sure. However, when William of Normandy invaded England in 1066, his soldiers placed fortifications on the old Roman fort at Pevensey. They then went to build what looks like a motte and bailey at Hastings, in Sussex, and waited there for the

arrival of King Harold and the English army. The building of this fortification is shown on the Bayeux Tapestry.

What were the crusades to the Holy

The crusades were a series of holy wars launched by the pope and other Christian leaders to recapture the Holy Land from Muslim control and to safeguard the pilgrimage routes. The crusades began in 1095, and ended in failure with the fall of Acre, the last Christian stronghold, in 1291.

Record Breakers



LONGEST RIDE IN ARMOR

The longest recorded ride in armor was 208 miles (335 km) by Dick Brown. He left Edinburgh, Scotland on June 10, 1989, and arrived in Dumfries, four days later. Total riding time was 35 hours, 25 minutes.



THE MOST KNIGHTS

During the reign of Henry II (1154–1189), the king could call upon the services of more than 6,000 knights. Each knight pledged to serve in his army for 40 days each year without pay.



THE MOST EXPENSIVE KING

When Richard 1 of England was captured by the Duke of Austria in 1192, England paid a ransom of 150,000 marks—a huge sum in those days, equivalent to many millions of dollars in today's money.



Soldiers constructing what could be the first English castle, in 1066

Timeline

The first knights were mounted warriors who fought for their lords and protected his peasants in the lawless conditions of ninth-century Europe. By the 11th century, a new social order was formed by these armored knights and a whole tradition of knightly honor and pageantry was born. This order lasted until the 16th century, when professional of well-trained soldiers using pikes and guns replaced the armored knight. Knights also lived in Japan, and had an impact in many other countries, too.

- 771–814 CHARLEMAGNE
 EMPLOYS MOUNTED WARRIORS
 Charlemagne, leader of the Franks,
 conquers much of present-day France,
 Germany, the Low Countries, and Italy,
 using many warrior horsemen in his army.
 He gives land as both reward and payment
- 800 CHARLEMAGNE IS CROWNED EMPEROR On Christmas Day 800, Charlemagne is crowned Emperor of the West by the pope in Rome. This new empire lasts for more than 1,000 years.

to those warriors who fight for him.

• 814 CHARLEMAGNE DIES
After the death of Charlemagne, his empire breaks up. Local lords and those mounted warrior knights who serve them offer protection to local people in return for labor, giving rise to the feudal system in western Europe.



- c. 850 FIRST CASTLES BUILT Dirt and wood castles are built in northwest France to protect the local lord from his enemies and to defend him and the local people against Viking attacks. Castles are also built of stone.
- 911 NORMANDY FOUNDED Charles III of France gives land to Viking invaders in an attempt to stop them from invading his country. The land is called Normandy, "land of the Northmen."
- 1000s THE NEW ORDER OF KNIGHTS

A new social order of mounted, armored knights develops in many parts of western Europe. These knights serve a local lord or duke and are in turn served by serfs or peasants. At first, they wear simple body armor made of mail.

- 1000s BECOMING A SQUIRE Many squires are servants of a lower social class, but later the sons of noble families become squires, too. In the 1000s and 1100s, young men wishing to become knights first serve as squires or apprentices to knights.
- 1066 NORMANS INVADE ENGLAND

Duke William of Normandy invades England and defeats King Harold at the Battle of Hastings. As king, William introduces the feudal system into England and builds many stone castles.

- 1095 THE CRUSADES BEGIN
 The pope launches the first military
 crusade against Muslim occupation of
 the Holy Land. Many knights join this
 army. Further crusades are launched
 from Europe until Acre, the last
 Christian stronghold in the Holy Land, is
 captured by a Muslim army in 1291.
- 1118 KNIGHTS TEMPLAR FORMED IN JERUSALEM Knights protecting Christian pilgrims in the Holy Land form a religious military order known as the Knights Templar.



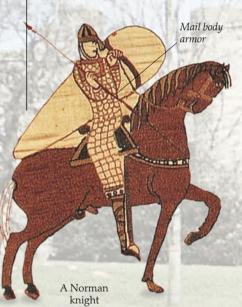
Knight

Templar

Knight

Hospitaller

• 1100s THE CODE OF CHIVALRY A code of conduct, known as chivalry, is adopted by all knights. It requires them to behave in a courteous and civil way when dealing with their enemies and places special emphasis on courtly manners towards women.



- 1100s THE FIRST TOURNAMENTS Tournaments, or mock battles, are first fought to train knights for battle. These events take place over a large stretch of countryside.
- 1100s THE BIRTH OF HERALDRY Decorations on shields now become more standardized using a set of rules known as heraldry. This increasingly elaborate system enables a knight to be identified by the symbols on his shield, or by his full coat-of-arms.

• 1100s NEW SIEGE MACHINES The first trebuchets—pivoting sling catapults—are used in siege warfare in western Europe. They join existing weapons such as catapults, battering rams, and ballistas—large, mounted crossbows in besieging and attacking castles.

• 1100s AGE OF THE TROUBADOURS

Troubadours or minstrels from southern France popularize poems of courtly love, romance, and chivalry. Stories about King Arthur and his knights of the round table become increasingly popular throughout western Europe.

• 1185 SHOGUN JAPAN

A samurai warrior class led by the Shogun or military leader take power in Japan, although the emperor is still the official ruler of the country.

• 1189–1199 RICHARD I Richard Coeur de Lion, nicknamed the "the Lionheart" rules England

the "the Lionheart," rules England. He fights in the third crusade, from 1190–92, and is a prisoner from 1192–1194.

• 1190 THE TEUTONIC KNIGHTS

A new religious and military order of knights—the Teutonic Knights—is formed to fight in the crusades, but soon turns its attention to converting pagans to Christianity in eastern Europe.

• 1200s ADDED HORSEPOWER Most knights now have at least two warhorses, as well as a destrier for jousting, a sumpter or packhorse for carrying baggage, and a palfrey for arduous long journeys.

• 1200s SAFER TOURNAMENTS

Blunted weapons are introduced at tournaments to make the contests safer. A new form of contest—jousts—is also introduced, in which two knights fight each other on horseback with lances or sometimes swords.

• 1200s THE RISING COST OF KNIGHTHOOD

The cost of becoming a knight is now so expensive that many young men avoid being knighted and remain as squires. In later years, the word squire comes to mean a gentleman who owns land.

• 1280s NEW WEAPONS

Pointed swords replace double-edged cutting swords as the main fighting weapon for knights. These are more effective, since they can be thrust between the plates of armor that knights now wear to protect themselves.

• 1300s NEW PLATED ARMOR Knights now begin to add steel plates to their armor to protect their limbs. They also wear a coat-of-plates, made of pieces of iron riveted to a cloth covering, to further protect their body. • 1300s THE ARRIVAL OF CANNON Cannon now appear on the battlefield to replace battering rams, catapults, and other manual machines in siege warfare.

• 1300s JOUSTING ON FOOT

Combat between two knights on foot becomes increasingly popular at tournaments. The contestants use swords and are allowed a set number of blows. By the 1400s, such contests have developed into more complex events

involving javelins and axes as well as swords.

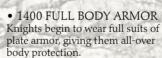
• 1300s DEFENSE AGAINST THE KNIGHT

In 1302 Flemish footsoldiers using clubs defeat French mounted knights at the Battle of Courtrai. Scottish spear formations using pikes stop a charge by English mounted knights and defeat them at the Battle of Bannockburn in 1314. Both battles prove that knights are not invincible.

• 1337–1453 THE HUNDRED YEARS' WAR In 1337 Edward III of England claims the French throne and invades the

throne and invades the country. War between the two countries continues on and off for more than 100 years. Thanks to their

longbowmen, the English achieve decisive victories over French knights at Crécy (1346), Poitiers (1356), and Agincourt (1415). The codes of chivalry are often ignored in this brutal war.



Edward the Black Prince,

English hero of the

Battle of Crécy

• 1476–1477 FRANCE vs. BURGUNDY War between France and Burgundy shows how mounted knights are unable to defeat solid bodies of pikemen backed up by soldiers using handguns. Infantry rather than cavalry now become the most important members of the army.

• 1494 FRANCE INVADES ITALY The invasion of northern Italy by France in 1494 leads to a lengthy power struggle for supremacy in Europe between France and the

Hapsburg empire of Spain and Austria. Conflict between the two powers continues for most of the next century.

• 1500s DESIGNER ARMOR

Those knights still wearing armor etch designs into the metal with acid. Gold plating, or gilding, is sometimes used for added decoration.



Italian barbute or iron helmet, 1445

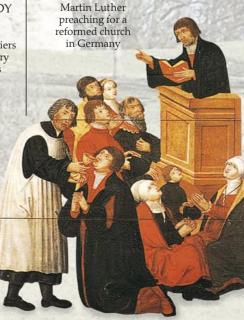
• 1500s A PROFESSIONAL ARMY Paid, permanent armies of well-trained soldiers backed up by mercenaries and locally recruited men gradually replace the feudal armies of previous years. Knights now play a less effective role in battle.

• 1517 THE REFORMATION
In Germany Martin Luther starts a revolt against the Roman Catholic Church that leads to the creation of Protestant churches throughout western Europe and more than a century of bitter religious conflict.

• 1600s THE END OF THE TOURNAMENT

During the 1600s, the tournament is replaced in most countries by displays of horsemanship called carousels.

• 1600s THE END OF AN ERA As warfare becomes the job of full-time soldiers and mercenaries, the era of the knight comes to an end. Knighthood now becomes a title granted by the monarch to a person he or she wishes to reward.





DESIGN YOUR OWN COAT-OF-ARMS

fascinating

subject.

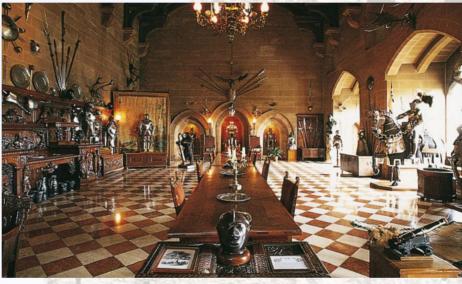
You can design your own or your family's coat-of-arms and use it to decorate your personal letters and belongings. The symbols you choose should be something special to you or have some connection to your name or to the place where you live. Read up about coats-of-arms and heraldry in books at your local library, or use the website listed below to find out more about this

about knights, and there are often programs and films on television and video for you to watch at home. Above all, check out the internet—some of the best websites to visit are listed below—and you too will soon become a dedicated knight-watcher.

The Great

Castle

Hall, Warwick



If you are now a fan of knights and the medieval world of castles, battles, and jousts in which they lived, here are some ways that you can find out more about them. Of course, you can't go back in time to meet real knights for yourself, but you can visit some of the many castles where they lived. Your local museum may very well have an exhibit about knights, perhaps even a few suits of armor, and you can also visit some of the best national museums and castles—listed on page 69. Your

local library and bookshop will have plenty of books for you to read

Narrow slit in helmet to see through

> Late 15thcentury German "Gothic" style armor

RETURN TO MEDIEVAL TIMES!

You can see how knights lived and fought in the dramatic reconstructions of medieval life that exist in some old castles, notably Warwick Castle, in England. Here you can see how a knight prepared for battle, as well as visit the armory and explore the medieval gatehouse, towers, and ramparts, and the magnificent Great Hall and other state rooms.

USEFUL WEB SITES

- Online home of the arms and armor department at the Metropolitan Museum of Art in New York: www.metmuseum.org/collections/department.asp?dep=4
- Web site for kids about medieval armor and knights at the
- Cleveland Museum of Art: www.clevelandart.org/kids/armor/index.html
- A directory of Renaissance fairs around the country, with information on knights and jousting: renaissance-faire.com/
- Site of the International Jousting Association, with information on where you can see live tournaments: www.worldjousting.com/
- Heraldry site where you can look up the history of your family's name and coat-of-arms, with clip art section to help you create your own coat-of-arms www.digiserve.com/heraldry/

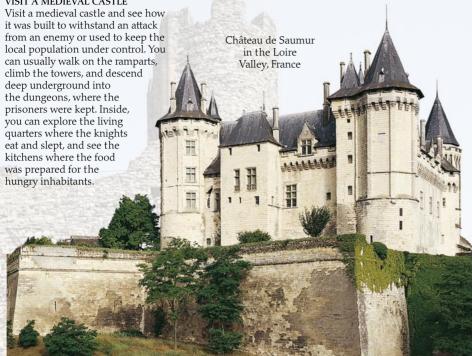
SEE ARMOR IN A MUSEUM

Find out more

You can see knights' armor in various museums, castles, and stately homes in Europe and North America. One of the best collections is in the Royal Armories in Leeds, Yorkshire, England.

60

VISIT A MEDIEVAL CASTLE



SEE FIGHTING AND JOUSTING

Medieval knights fighting and jousting with

each other is not just a thing of the past, for

on displays of fighting or jousting today.

Look in the useful websites box on the

some historical reenactment groups put

Sir Galahad is introduced to King Arthur and the knights of the round table



STORIES OF KING ARTHUR

You can read stories about knights and their daring adventures in the tales of the legendary King Arthur and his knights of the round table. There is still much dispute about who King Arthur was, or whether he actually existed at all, but most people now believe that he was a British chieftain or warrior who led the resistance to the Saxon invasion of England in the fifth or sixth centuries. Many places in southern England, notably Tintagel in Cornwall, are associated with the king, and many books have been written about him.



Places to Visit

METROPOLITAN MUSEUM OF ART, NEW YORK, NEW YORK

www.metmuseum.org

The museum's collection of arms and armor consists of about 15,000 objects dating from 400 BCE to the 19th century. Western Europe and Japan are most strongly represented, but there are also items from throughout Asia and North America. Highlights include:

- the armor of King Henry II of France
- German shields from the late 15th century
- armor made in the English royal workshops at Greenwich for Tudor courtiers.

HIGGINS ARMORY MUSEUM, WORCESTER, MASSACHUSETTS

www.higgins.org

This museum is entirely dedicated to the study and display of arms and armor. Special programs explain how knights would have used weaponry in battle and tournaments. Be sure to see:

- the complete suit of armor of Count Franz von Teuffenbach of Styria, made around 1540
- the steel gauntlets that belonged to King Philip of Spain.

ART INSTITUTE OF CHICAGO, CHICAGO, ILLINOIS

www.artic.edu

The museum's Harding Collection includes more than 1,500 artifacts of medieval life. The permanent collection contains:

- · suits of armor, including an elaborate suit of Italian field armor
- · weapons such as swords, daggers, and polearms.

CLEVELAND MUSEUM OF ART, CLEVELAND, OHIO

www.clevelandart.org

This museum has a medieval court featuring a full set of armor for a knight and his horse, and many other treasures.

WARWICK CASTLE, ENGLAND

A medieval castle which is also one of the finest stately homes in England. Reenactments of medieval life and jousting take place here during the summer months. The main sights include:

- the armory, which features a massive 14th-century two-handed sword and a fully armored knight on horseback
- the Kingmaker Exhibition, which recreates medieval life and the Wars of the Roses
- 14th-century ramparts and towers.

THE TOWER OF LONDON, LONDON, **ENGLAND**

This medieval fortress on the River Thames is guarded by the Yeoman Warders, popularly known as Beefeaters. Among the attractions here are:

- the White Tower, commissioned by William the Conqueror in 1078 and completed 21 years later
- The Crown Jewels, which include the crowns, scepters, and orbs used at royal coronations and other state occasions.

Glossary

BALLISTA A weapon used in siege warfare, consisting of a giant crossbow mounted on a frame that shot bolts.

BARBARIANS Uncivilized people. The word is often used to describe the many tribes who invaded the Roman Empire in the fourth and fifth centuries CE.

BATTLEMENT The top part of a castle wall that had gaps in it through which archers could shoot at attackers.

BIT The metal part of a bridle that fits inside the horse's mouth and is used to control the horse.

BODKIN A long, thin arrowhead, shaped like a needle.

BOLT An arrow used for shooting from a weapon such as a crossbow or ballista.

BUTT A target set on a mound of earth, used by archers for shooting practice.

CATAPULT An engine for throwing missiles.

CHALICE A cup used to hold the wine in the Christian service of mass, or the Holy Communion.

CHIVALRY Originally meaning horsemanship, chivalry came to refer to the combination of qualities expected of an ideal knight, such as courage, honor, and courtesy. In the 12th century, this behavior was extended to form a knightly code of conduct, with a special emphasis on courtly manners towards women.

COAT OF ARMS A set of symbols used by a knight on his shield or surcoat to identify him in battle or at a tournament.



Embrasure in a castle wall

COAT OF PLATES A form of body armor invented in the 14th century and consisting of a number of pieces of iron riveted to a cloth covering.

CRENEL A gap on the top part of a castle wall through which defenders could shoot at attackers.

CROSSBOW A bow fixed across a wooden handle with a groove for a bolt. Various mechanisms were developed to help pull back the cord. The cord was then released to shoot the bolt.

CRUSADES A series of military expeditions made by European knights during the Middle Ages. The goal of the Crusades was to capture the Holy Land from Muslim control.

DESTRIER A knight's warhorse.

Bodkin

DUBBING The ceremony at which a squire was made a knight. The king or another knight tapped the squire on the neck with a sword, then the new knight was presented with his sword and spurs.

EFFIGY A sculpture of a person. In the Middle Ages, many wealthy people's tombs were decorated with a life-sized effigy of them.

EMBRASURE An alcove set in a castle wall with a small opening through which archers, crossbowmen, or gunners could shoot.

ETCHING Using acid to "eat" a design on exposed parts of metal. Suits of armor were sometimes etched with patterns.

FEUDAL SYSTEM A social system used in Europe during the Middle Ages, under which a local lord gave land to his vassals in return for their allegiance and service.

GARRISON A group of soldiers stationed in a castle or town to defend it.

GATEHOUSE The entrance to a castle. The gatehouse was often protected with heavily fortified towers, a portcullis, drawbridge, and a ditch or moat outside.

GILDING Putting a thin covering of gold on an object to decorate it.

HERALDRY A system of using symbols on knights' shields or coats-of-arms, so that they could be easily identified in battle or in tournaments.

HERETIC Someone whose religious views are unacceptable to the mainstream church.

HOLY GRAIL According to legend, the Holy Grail was the cup that Jesus used at the Last Supper. In the stories of King Arthur, many of his knights went on quests to find the Holy Grail.

INFANTRY Soldiers who fought on foot.

JOUST A combat between two mounted knights armed with lances. Jousting was invented to allow knights to show off their battle skills.



Gatehouse to Caerphilly Castle, Wales

KEEP A strong stone tower that formed part of a castle. They were probably used for storage, or as living quarters.

KNIGHT A warrior who fought on horseback. The term is normally used for the period c. 800–1600, when warriors fought with swords and lances, rather than guns and other small arms.

KNIGHTS HOSPITALLER A military order of monks who also cared for the sick. They were also known as the Knights of St. John.

KNIGHTS TEMPLAR An order of monks who were also fighting knights. They fought against the Muslims and protected Christian pilgrims in the Holy Land.

LANCE A long weapon with a wooden shaft and a pointed metal head. Knights used lances when charging on horseback.

LONGBOW A large bow used during the Middle Ages. It was usually made of yew wood and could shoot arrows over 1,000 ft (300 m) away.



Joust at Tours in France, 1446

LUGS Two small crosspieces on a spear or sword that stopped the weapon being pushed too far into an opponent's body and getting stuck.

MACE A heavy weapon, consisting of a metal head on top of a wooden pole.

MAIL A form of armor made of many small linked iron rings. Mail could be made up into garments, such as coats or mittens.

MERCENARY A hired soldier who fought simply for money.

MOOR A Muslim from northwest Africa.

MOTTE AND BAILEY An early style of castle. The motte was a mound with a wooden tower on top; the bailey was a courtyard below the motte and contained the domestic buildings. The bailey was surrounded by a wooden fence and a ditch to keep out intruders.

NORMANS People who came from Normandy in northern France. The Normans were descended from the Vikings who settled in the region during the 10th century. The Normans conquered England under their leader, Duke William of Normandy, in 1066.

PAGE A young boy servant in the household of a king or great knight. Pages were usually the sons of noble families and were in training to become knights when they were older.





Reenactment of Japanese feudal lords paying their respects to the Shogun

PALFREY A horse used for long journeys.

PEASANT A farm laborer or other person who works for a lord.

PILGRIMAGE A journey to a sacred place for religious reasons. In the Middle Ages, some Christians went on pilgrimages to Jerusalem and other sites in the Holy Land, and to the tombs of famous saints, such as that of St. Peter in Rome.

PLATE ARMOR Body armor made of large metal pieces, as opposed to mail.

POMMEL A round knob on the end of a sword handle, which helped to balance the weight of the blade.

PORTCULLIS A metal gate, or an ironclad wooden gate, that could be lowered in front of the entrance to a castle to stop attackers from getting in.

QUIVER A bag hung from an archer's back, or more usually his waist, in which he stored his arrows.

RANSOM A sum of money demanded for the release of a prisoner, such as a lord or knight, who was captured or defeated in battle. The captors demanded the ransom from the prisoner's family.

SAMURAI A Japanese warrior.

SARACEN A name used at the time of the Crusades for all Muslims and Arabs. The Saracens were originally nomadic people who lived in the Syrian and Arabian deserts.

SCALING LADDER A long ladder used by attacking soldiers to try to climb over the wall of a castle.

SCONCE A candlestick for hanging on a wall.

SERF A laborer who was not allowed to leave the land on which he worked.

SHOGUN A Japanese military leader.

SHRINE A holy site, such as a saint's tomb.

SPUR A V-shaped device with a spiked wheel, that a knight attached to the inside of his heels and used to urge his horse forwards.

SQUIRE A young man who served as an attendant to a knight. A squire was usually the son of a noble family and was himself in training to become a knight.

Spur

STIRRUPS Two loops suspended from a horse's saddle to support the rider's feet.

SURCOAT A loose coat or robe worn over armor. A knight's surcoat was sometimes decorated with his coat of arms.

TILT A barrier used in jousting to separate two charging knights and avoid collisions.

TOURNAMENT A pageant that included mock battles, jousting, and foot combat, in which knights practised their fighting skills, often using blunted weapons.

TREBUCHET A weapon used in siege warfare to throw large missiles at a castle.

TROUBADOURS Medieval French poets who composed and sang poems on the theme of courtly love.

VISOR The moveable part of a helmet that covered the face.

WINDLASS A machine with a horizontal axle, used to wind back catapults and ballistas, as well as some later powerful crossbows.

Index

acrobatics, 10 Agincourt, Battle of, 30, 32,67 aketon, 12 ampulla, 52 archers, 30–31, 32 armet, 46 arming doublet, 28 armor, 10, 12–13,14–15, 16–17, 45, 47, 60–61, 62, 66, 67, 68 armor, decorating, 14-15, armor, making, 12, 16-17 armor, putting on, 28-29 armorer, 16-17, 34 arrows, 31 Arthur, King, 41, 69 ax, 7, 18-19

backplate, 10, 28 Bannockburn, Battle of, 67 barbarians, 6 barbute, 13, 67 basinet, 12 battlement, 23, 24 Bayeux Tapestry, 8-9, 65 bellows visor, 14 besagew, 14, 29 bit, 20 "blued" armor, 14 boats, 8, 45 Bodiam Castle, 24-25, 69 breastplate, 10, 28 buffe, 15 burgonet, 14, 61 buttress, 23

caltrops, 32-33 candlestick, 34 cannon, 67 Canterbury Tales, 11, 53 carousel, 42 cartridge box, 63 casque, 43 Castile, 49

castles, 22-23, 24-25, 34-35, 66, 68, 69 catapult, 26-27 cathedrals, 9 Cervantes, Miguel de, 63 chalice, 52 chamber pot, 35 Chanfron, 20–21 chapel, 23 Charlemagne, 6, 66 Chaucer, Geoffrey, 11, 53 chess, 34, 36 chivalry 40-41, 65, 66 close helmet, 14, 16, 46 club tourney, 43 coats of arms, 48-49 concentric castle, 22 Constantinople, 54-55 coronel, 44 courser, 20 courtly love, 38, 40-41, 67 Courtrai, Battle of, 30, 67 couter, 29 Crécy, Battle of, 30, 32, 67 crenel, 24 crest, 12 cross, 53, 57 crossbowmen, 32 crossbows, 50-51, 60 cruet, 34 crusades, 54-55, 64, 65, 66 cuirass, 28 cuirassier, 62 cuisse, 17, 28

dagger, 19 deer hunt, 50 destrier, 20-21 devils, 42 dogs, 50-51 Don Quixote, 63 donjon, 22 drafts, 35 dubbing, 11 education, 10-11, 39 Edward, the Black Prince, embrasure, 25 entertainment, 34

falchion, 19, 49 falconry, 50 family life, 37, 38 feudal system, 6, 66 fitness training, 10 Fitzwalter, Robert, 36 flanged mace, 18-19 flanking tower, 24–25 fleur de lys, 48 flights, 31 foot combat, 46-47 foot soldiers, 9, 30-31, 32.67 forts, 22 Franks 6 66 Frederick II, 50 Froissart, 44

garden, 37 gatehouse, 22, 24 gauntlets, 12-13, 15, 16, 43, 45 gemellions, 35 gorget, 15 grandguard, 45 great hall, 23, 24, 68 great horse, 20 great sword, 18-19 greave 28 guardroom, 23 Guinevere, 41 guns, 26, 30, 60-61, 62-63

Halder, Jacob 15

Hastings, Battle of, 8-9, 66 helm, 12 helmets, 12-13,14-15, 16, 29, 42-43, 46, 58 Henry I, 32 Henry II, 65 heraldry 48-49, 66, 68 holy water 52 homage, 39 horns, 8–9, 52–53 horses, 20-21, 67 Hospitallers, 56-57, 66 household management, 38 Hundred Years War, 30.67 hunting, 50-51 hunting horse, 20, 67 Japan, 58-59, 67 javelin, 46 Jerusalem, 54, 66 jewelry, 38-39, 49 jousts and jousting, 44-45, 67, 69

keep, 22, 23 knives 35 Krak des Chevaliers, 55,64 Lammas, 36 lance, 18, 33 lance rest, 15, 44-45 Lancelot, 41 Landsknechts, 60-61 leathers, 16 Lee, Sir Henry, 15 Leon, 49 lists, 42-43 longbow, 30-31 Lord of Manor, 36 Louis XII, 15 lure, 50 Luther, Martin, 67

mace, 9, 18-19

machicolations, 24 mail, 12-13, 28 Mamluks, 54 manor house, 36 marriage, 38 Maximilian armor, 14 meals, 10, 34 medicine jar, 56 mercenaries, 60–61, 62, 67 merlon, 23, 24 missal, 56-57 moat, 22, 24 monasteries, 52 motte and bailey, 22 Muslims, 54-55, 64, 65, 66 muzzle, 21 Normandy, 8, 66 Normans 8-9, 66

packhorse, 20, 6 page, 10 palfrey, 20, 67 parades, 15, 44 Paris, Matthew, 13 pas d'armes, 42 pasguard, 45 pauldrons, 15, 17, 29, 47 peasants, 36, 37 pel, 11 Peter the Hermit, 54 pike, 30 pilgrimage, 52-53, 64

plate armor, 13, 67 points, 28 Poitiers, Battle of, 32, 67 poleyn, 14–15,17, 28 poll plate, 21 poll-ax, 19, 47 portcullis, 24 practice combat, 10–11 professional soldiers,

60-61, 62, 67

quintain, 11

queen's champion, 41

plackart, 15

Reformation, the, 67 reinforce, 45 religion, 52-53, 54-55, 56-57, 66, 67 religious orders, 56–57, 64,66 Rennen, 44 Rhodes Missal, 57 Richard I, the Lionheart, 54, 64, 67 rivets, 16 Rochester Castle, 23, 69 roll of arms, 48 romance, 40 Round Table, 41, 69 Royal Amouries, 68, 69

sabaton, 15, 28 saddle, 39 Samurai, 58-59, 64, 67 Saracen, 55 Saumur, Château de, 69 scaling ladders, 25, 26 seal, 36, 49, 57 serfs, 6 serving knives, 35 shaffron, 20-21 sheaf, 31 shell keep, 22 shields, 8, 44, 48 sieges, 25, 26-27 slinger, 30 spanner, 63 spear, 6, 30 spinning, 34, 39 spurs, 8, 20, 29 squire, 10-11, 28-29, 66, 67 St. George, 40 St. John, Knights of, 56-57,66

stirrups, 20 surcoat, 13 surrender, 27 swan badge, 38 sword and buckler combat, 10 swords, 7, 8, 9, 18-19, 67

tabard, 49 table, 11, 34 Templars, 56-57, 64, 66 Teutonic Knights, 48, 56,67 tilt, 44 tithe, 52 tournament, 42-43, 65, trapper, 20 trebuchet, 26, 64, 67 trial by battle, 46 Tristan and Iseult, 41 Triumphs of Maximilian, 15 troubadours, 67 turrets, 23, 24

vambrace, 17, 29, 43 vamplate, 18 varlets, 43 vaulting, 24 Vikings, 8, 22, 66 Virgin Mary, 52 visor, exchange, 46

wall sconce, 34 warhorse, 20, 67 Warwick Castle, 68, 69 water bottle, 57 water, holy, 52 water joust, 45 weights, 35 well, 34 wheel-lock pistol, 63 William of Normandy, 8-9, 65, 66 wolf hunt, 50 women, 38-39 wrestling, 10

Acknowledgments

Dorling Kindersley would like to thank: The Wallace Collection, the Royal Armouries, the British Museum, and the Museum of the Order of St. John, for provision of objects for photography; English Heritage, the National Trust, and Cadw (Welsh Historical Monuments), for permission to photograph at Rochester, Bodiam, and Caerphilly castles; David Edge for information on items in the Wallace Collection; Paul Cannings, Jonathan Waller, John Waller, Bob Dow, Ray Monery, and Julia Harris for acting as models; Anita Burger for makeup; Joanna Cameron for illustrations (pages 22-23); Angels and Burmans for costumes

For this edition, the publisher would also like to thank: the author for assisting with revisions; Claire Bowers, David Ekholm-JAlbum, Sunita Gahir, Joanne Little, Nigel Ritchie, Susan St Louis, Carey Scott, and Bulent Yusef for the clip art; David Ball, Neville Graham, Rose Horridge, Joanne Little, and Sue Nicholson for the wall chart.

The publisher would like to thank the following for their kind permission to reproduce their images:

Picture credits a = above, b= bottom/below, c=center, l=left, r=right, t=top

Ancient Art & Architecture Collection: 58cl, 58c, 58tr, 59bl, 65b.

Board of the Trustees of the Armouries: 70tl. Bridgeman Art Library, London/New York: 53b/Biblioteca Estense, Modena: 10b/ Bibliotheque de L'Arsenal, Paris: 64br/British Library: 19tc, 20tr, 20c, 38cr, 39c, 49tr, 54tl/ Bibliotheque Municipal de Lyon: 55c/ Bibliotheque Nationale, Paris: 11br, 15tr, 22cr, 25tl, 41tr, 42bl, 43t, 54bl, 57tr/Corpus Christi College, Cambridge: 13rc/Corpus Christi College, Oxford: 54br/Musee Conde, Chantilly: 50bl, 51 bl, 65t/ Vatican Library, Rome: 50br/ Victoria & Albert Museum: 37cl/Wrangham Collection: 59c.

British Museum: 71cr. Burgerbibliothek, Bern: 25rc. Christ Church, Oxford/Photo:

Bodleian Library: 27tl.

Dorling Kindersley: Photo from Children just Like Me by Barnabus & Anabel Kindersley,

published by DK: 71bl. E.T. Archive: 6bl. 11tl. 18bl. 27tr. 30bl. 31bl. 33cl, 33cr, 39tr, 41c, 49bl, 57bc, 58rc, 59cl, 60c/ British Library: 19bc, 32c/ British Museum: 27bl/ Fitzwilliam Museum, Cambridge: 48rc.

Mary Evans Picture Library: 69bl. Robert Harding Picture Library: 8tl, 12rc, 18tr, 22bl, 26c, 34br, 34bl, 55bl/British Library: 11c, 34cl, 44b, 45bl.

Heritage Images: British Library 46bl. Michael Holford: 8bl, 9tr, 52c, 55br. Hulton-Deutsch Collection: 56cl.

A.F. Kersting: 9cl. Mansell Collection: 11bl, 21c, 39tr, 46br, 55tl, 63bl/Alinari: 46tr.

Bildarchiv Foto Marburg: 48br. Arxiu Mas: 54cl.

Stadtbibliothek Nurnberg: 17rc. Osterreichische Nationalbibliotehek, Vienna (Cod.2597, f.15): 40br.

Pierpont Morgan Library, New York: 29c. Scala: 7br, 33t, 34tlc, 36cl. Stiftsbibliothek St. Gallen: 6c.

Syndication International: 26br, 27cl, 27tcl, 32bc, 37tl, 41tl, 50tr, 53l, 57tl/Photo Trevor

Warwick Castle: 68cb.

DK Images: Judith Miller / Otford Antiques and Collectors Centre 1bl (Brooch); Judith Miller / Sloan's 1tr; Michael Holford: 1clb (Pilgrimage)

Front: Jonathan Blair/Corbis, b; Archivo Iconografico, S.A./Corbis, tl; Wallace Collection, London, UK, tcl, tcr. Back: British Museum, crb; Royal Armouries, Board of Trustees of the Armouries, br; Wallace Collection, bl, ca, l.

All other images © Dorling Kindersley. For further information see: www.dkimages.com