

techauth pres - A Dand - 1810440

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THE BATTLE OF AGINCOURT: THE LONGBOW'S GREATEST MOMENT?

Martin Dand – 1810440
OME Technical
Authoring L6

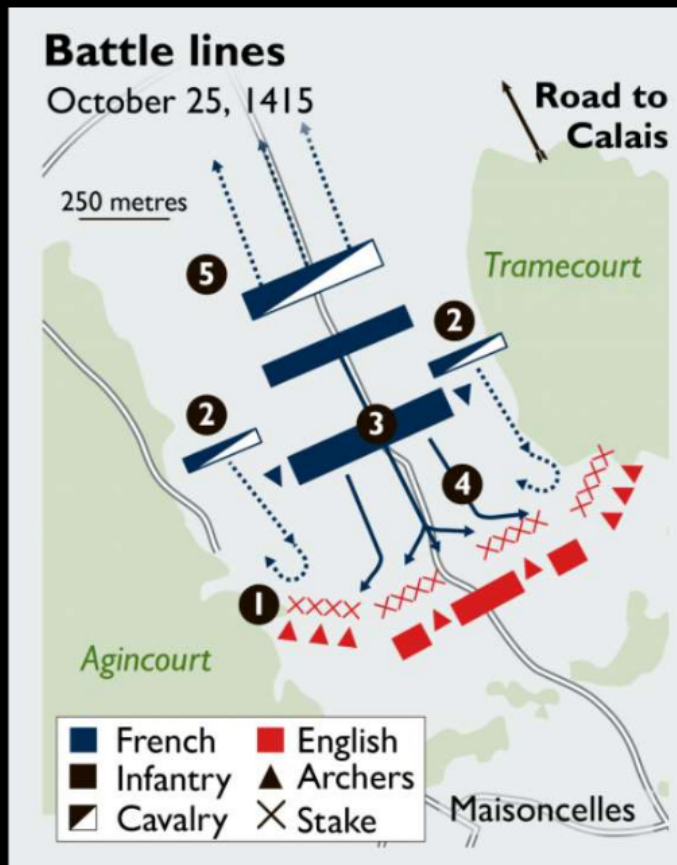




ASSUMPTIONS AND FACTS

- The English were outnumbered and weakened, with a large ratio of archers to men-at-arms
- The French were mostly heavily armoured with a substantial cavalry force
- The English chose the field of battle to minimize the French numerical and maneuverability advantage
- The English baited the French into a disorganized attack
- The French were defeated

TACTICS



- Initial battle-lines had the English at a disadvantage
- English repositioning of anti-cavalry stakes was seen as a desperate attack by over-confident French
- Panic response by French finding themselves under fire caused an undisciplined cavalry charge under fire
- Retreating cavalry caused issues to advancing foot
- Tightly packed melee and poor environmental conditions disadvantaged the French longer weapons and heavy armour vs more mobile English with shorter weapons

DID THE LONGBOW WIN IT?



- Overconfidence kept the French stationary during repositioning
- Injured the unarmoured horses, causing panic and general mayhem to the French lines
- Slowed the front advance, increasing the French effort to merely get to the battle line
- Directly responsible for very few deaths due to armour technology advancements

'GERMAN' DEMARRE EQUATION

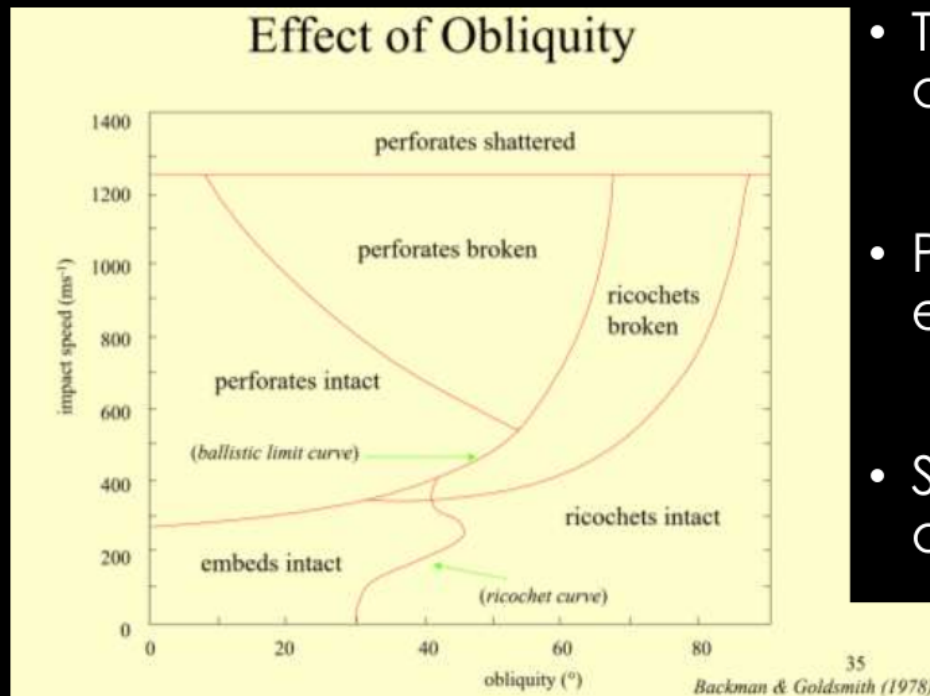


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Strike Velocity (ms^{-1})	Depth of penetration (mm)
54.24 (advance on foot)	1.3
62.35 (advance on horse)	1.6

EFFECTS OF OBLIQUITY

- Force is directed away from the normal
- The greater the angle of obliquity, the faster the deflection
- Plate armour was curved on its faces to enhance this effect
- Study shows effects of velocity vs angle of obliquity





CONCLUSION

- The Longbow and Bodkin Needle arrow; battle winning or just what was there?
- Modern Tactical thought showing the capability of a small, well-disciplined force vs a large, overconfident army
- Use of terrain and environmental conditions

FINAL GRADE

40/50

GENERAL COMMENTS

Instructor

The most confident of all students in presentation format. Good use of slide scale and positioning of information and graphics. Could have split facts and assumptions into two separate slides.

Discussed all types of weapon system and the advantages that the English had. Good use of the assumptions throughout the presentation (such as an unlikely charge due to the presence of stakes) and the effects of obliquity (best argument on this of all students).

Provided a definitive statement on OME knowledge and one equation from the sub-hydrodynamic regime to support his argument. It was the right equation to use and was a confident call based on the fact that there are several to choose from. Demonstrated technical knowledge.

Could have used Gestalt to show critical areas on slide 6, which was the Backman and Goldsmith penetration analogy.

Overall, an excellent assignment, which enabled the audience to improve their understanding of the technical aspects of the Battle of Agincourt and the role the longbow played.

